

Elektrim® **Motors**

SOLUTIONS TO MEET YOUR NEEDS

www.elektrimmotors.com or call **855-Go-Elektrim**



Elektrim®

Motors

Elektrim Motors are European designed and engineered for exceptional quality and outstanding performance, and are manufactured in state-of-the-art ISO 9001 quality system facilities around the world.



A History of Manufacturing Excellence



Elektrim Motors currently operates from a central office in the northwest Chicago suburbs.

Elektrim Motors are offered by distributors all over the United States, and is supported by a wide network of industrial sales representatives.

Discover the rugged quality, powerful performance and unwavering dependability that Elektrim brings to your application.

Dear Partner,

Over the past two years, we visited a number of our partners across the country, and engaged in many meaningful conversations about the state of the motor industry, what customers are looking for from a trusted motor supplier, and how you would like the Elektrim Motor brand positioned. We have listened, and, as a company, we have learned.

As a result, we decided to change the way we approach the marketplace in 2013 and returned Elektrim Motors as the face of our motor operations. We, as Elektrim Motors, have served the industrial marketplace with high quality, European designed and engineered motors for over three decades, and it is important that this history of excellence stand out.

With this in mind, our motor catalog began the process of retiring the Elektrimax brand name, and consolidating all of our motors under the Elektrim Motors brand. This decision was influenced by you, our loyal partners, who voiced a desire to align all of our motors with the stronger, more recognizable Elektrim Motors brand.

What will happen to Elektrimax brand motors?

- Just a brand name change.
- All Elektrimax motors will still be available as Elektrim Motors and distinguished by their series name (part number prefix).
- Part numbers remain unchanged.
- See chart for details.

| PREVIOUS PRODUCT NAME | STATUS | CURRENT PRODUCT NAME | SERIES |
|------------------------------------|-----------|----------------------------------|------------|
| Elektrimax Premium 31N Series | Rebranded | Elektrim Premium 31N Series | 31N Series |
| Elektrimax Premium 32N Series | Rebranded | Elektrim Premium 32N Series | 32N Series |
| Elektrim Premium | Unchanged | Elektrim Premium 20N Series | 20N Series |
| Elektrimax Crusher Duty | Rebranded | Elektrim Crusher Duty 33N Series | 33N Series |
| Elektrim Crusher Duty | Unchanged | Elektrim Crusher Duty 40N Series | 40N Series |
| Elektrim Metric | Unchanged | Elektrim Metric | 20M Series |
| Elektrim Metric | Unchanged | Elektrim Metric | 40M Series |
| Elektrim Premium Brake | Unchanged | Elektrim Premium Brake | 20N Series |
| Elektrimax Design D | Rebranded | Elektrim Design D | 34N Series |
| Elektrimax 56C Rolled Steel | Rebranded | Elektrim 56C Rolled Steel | 38C Series |
| Elektrimax 56C Stainless Steel | Rebranded | Elektrim 56C Stainless Steel | 39C Series |
| Elektrimax Premium Stainless Steel | Rebranded | Elektrim Premium Stainless Steel | 79 Series |

During this transition, customers who place orders for an Elektrim Premium 31N series motor, for example, may still receive these motors branded as Elektrimax, their former name. This will occur until all existing inventory has been sold and re-stocked with its new branding.

For your convenience, this catalog will include a note where a motor product has been rebranded, and we will endeavor to include notification with all shipments.

Our customer support team is readily available to answer any questions you might have during this transition, or you may visit www.elektrimmotors.com/rebrand for a detailed overview.

Thank you for choosing Elektrim Motors!

Premium Efficient Cast Iron Motors



Premium Efficient Performance 20N Series

- 1-250 HP
- 3600-1800-1200 RPM
- NEMA Premium® TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 10:1CT 20:1VT
- Service Factor up to 1.4
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends
- V-Ring or Labyrinth Seal
- Moisture Resistant Tropicalization

Applications

- Mills and Quarries
- Pumps and Conveyors
- Foundries and Chemical Plants

Learn More on Pages 6-9

Premium Efficient All-Purpose 31N Series

- 1-50 HP
- 3600-1800-1200-900 RPM
- NEMA Premium® TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 10:1CT 100:1VT
- Service Factor up to 1.25
- Class I, Div II Group ABCD T3C

Applications

- Pumps
- Fans and Blowers
- Packaging Equipment
- Mixers
- Conveyors
- Compressors

Learn More on Pages 10-15

Premium Efficient All-Purpose 32N Series

- 60-250 HP
- 3600-1800-1200 RPM
- Premium Efficient TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 10:1CT 20:1VT
- Service Factor 1.20
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends

Applications

- Pumps
- Fans and Blowers
- Packaging Equipment
- Mixers
- Conveyors

Learn More on Pages 10-15

Premium Efficient Severe Duty 60N Series

- 1-250 HP
- 3600-1800-1200 RPM
- NEMA Premium® TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 10:1CT 20:1VT
- Service Factor up to 1.4
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends
- V-Ring or Labyrinth Seal
- Moisture Resistant Tropicalization
- Low Vibration Level <0.08 in/sec

Applications

- Mills, Quarries and Crushers
- Foundries and Chemical Plants

Learn More on Pages 16-19

Metric IEC Motors

Rolled Steel Motors



High Efficient Metric IEC Series

- 0.08-150 HP
- 3600-1800-1200 RPM
- TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 5:1CT 10:1VT
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends

Applications

- Pumps
- Conveyors
- Fans and Blowers
- Machine Tools
- Textiles
- Marine Duty

Learn More on Pages 20-25

Larger Metric Low Voltage

- 220-1500 HP
- 3600-1800-1200 RPM
- TEFC IP55 or Better
- Dual Rated 60/50 Hz
- Inverter Duty Rated
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends

Applications

- Pumps
- Conveyors
- Fans and Blowers
- Mills
- Mineral Processing
- Waste Management Facilities

Learn More on Pages 26-27

56C Single & Three Phase

- 1/3-3 HP
- 3600-1800 RPM
- TEFC IP55
- Dual Rated 60/50 Hz
- Service Factor 1.15
- Single and Three Phase
- C-Face Footed and Round Body

Applications

- Gear Reducers
- Machine Tools
- Fans and Blowers
- Compressors
- Grinders
- Conveyors

Learn More on Pages 38-41

T/T/C - High Torque Single Phase

- 3-10 HP
- 3600-1800 RPM
- TEFC IP55
- Single Phase 60 Hz
- Service Factor 1.15
- High Starting Torque
- Footed and C-Face Footed

Applications

- Grain Augers
- Grain Legs
- Bucket Elevators
- Feeders
- Agitators
- Irrigation Pumps

Learn More on Page 37

Close Coupled Pump Motors



Premium Efficient Close Coupled JM/JP

- 1-60 HP
- 3600-1800 RPM
- NEMA Premium® TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 20:1VT
- Service Factor up to 1.4
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends

Applications

- Transfer Pumps
- Circulating Pumps
- Centrifugal Pumps
- Hydraulic Pumps
- Turbine Pumps

Learn More on Pages 30-31

TEFC JM/JP for ODP Replacement

- 1-30 HP
- 3600-1800 RPM
- TEFC IP55 step-down frame for direct ODP replacement
- Inverter Duty Rated
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends
- Use Horizontally or Vertically

Applications

- Transfer Pumps
- Circulating Pumps
- Centrifugal Pumps
- Hydraulic Pumps
- Turbine Pumps

Learn More on Page 32

Washdown Motors



56C Stainless Steel

- 1/3-3 HP
- 3600-1800 RPM
- TEFC IP55
- Dual Rated 60/50 Hz
- Service Factor 1.15
- Single and Three Phase (VFD)
- C-Face Footed and Round Body
- Anti-Corrosion 300 Series Steel

Applications

- Food Processing Equipment
- Poultry Processing
- Corrosive Environments
- Bottling Plants
- Car Washes

Learn More on Pages 42-43

Premium Efficient TC - Stainless Steel

- 1-30 HP
- 3600-1800 RPM
- NEMA Premium® TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 3:1CT 5:1VT
- Service Factor 1.15
- Vacuum Pressure Impregnation
- Anti-Corrosion 300 Series Steel

Applications

- Food Processing Equipment
- Poultry Processing
- Corrosive Environments
- Bottling Plants
- Car Washes

Learn More on Pages 44-45

Definite Purpose Motors



Crusher Duty

- 125-600 HP
- 1800-1200 RPM
- TEFC IP55
- Inverter Rated 5:1CT 10:1VT
- Service Factor up to 1.20
- with Thermistors and Space Heaters (449T and up)
- Vacuum Pressure Impregnation

Applications

- Mills
- Crushers
- Pulverizers
- Feeders
- Conveyors

Learn More on Page 34

Premium Efficient Brake Series

- 1-30 HP
- 3600-1800-1200 RPM
- NEMA Premium TEFC IP55
- Dual Rated 60/50 Hz
- Inverter Rated 10:1CT 20:1VT
- Service Factor up to 1.4
- Vacuum Pressure Impregnation
- Oversized Bearings on both ends

Applications

- Conveyors
- Gear Reducers
- Cranes and Hoists
- Machine Tools
- Door Operators

Learn More on Pages 35-36

Medium Voltage Motors



Above NEMA Medium Voltage

- 150-2500 HP
- 3600-1800-1200-900-750 RPM
- TEFC Cast Iron Fin Frame
- Multiple Voltages Available
- Service Factor 1.15
- Vacuum Pressure Impregnation
- Versatile Extra Mounting Holes
- Quieter operation < 85 dBA

Applications

- Cement and Chemical Plants
- Metal Processing
- Mining Machinery
- Refineries
- Foundries

Learn More on Pages 28-29

Metric Medium Voltage

- 220-6300 HP
- 2, 4, 6, 8, and 10 Pole
- TEFC Welded or Cast Iron Frame
- Multiple Voltages up to 11kV
- Vacuum Pressure Impregnation
- Low Vibration Level < 1.8mm/s
- Versatile Extra Mounting Holes
- Winding & Bearing Protection

Applications

- Cement and Chemical Plants
- Metal Processing
- Foundries and Refineries
- Extruders and Shredders
- Chippers and Thrusters

Learn More on Pages 28-29

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Performance Premium Efficient – 1-400 HP 3PH TEFC 60 Hz NEMA AC Foot Mounted Motors

Applications: Ideal for a wide variety of industrial applications that require a premium efficient foot mounted motor, such as fans & blowers, pumps, conveyors, crushers, compressors, mixers and more.

Features

- Inverter Duty Rated: 10:1CT & 20:1VT
- Service Factor: up to 1.4
- Design: "B" or "A"
- Protection Degree: IP55
- Enclosure: TEFC rigid cast iron frame
- Motors meet NEMA premium efficiency requirements
- VPI applied for best electrical performance
- Oversized ball bearings on both ends
- Designed for horizontal and vertical application
- Low vibration level (below 0.08 in/sec)
- Dual rated for 190/380V 50 Hz (additional voltages available upon request)
- Class "F" insulation with rise at or below Class "B"
- PTC140 thermistors standard for 320 frame and up
- Space heaters standard 447 frame and up
- Motors 213T and larger suitable for wye/delta starting
- Impregnation resin and winding wire Class "H" (DN2E200)
- Stainless steel nameplate with connection diagram
- Efficiency tested according to IEEE112 Method B
- CSA-US certified, DOE approved, CE and NEMA Premium® marked
- Warranty: 3-Years

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|----|--------------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 1 | 1800 | 143T | 85.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.4 | B | 53 | 20NFM-3-1-18 | 490.00 | 3,4,22 |
| | 1200 | 145T | 82.5 | 68 | 208-230/460V | 3.8-3.4/1.7 | 1.4 | B | 55 | 20NFM-3-1-12 | 565.00 | 3,4,22 |
| 1.5 | 3600 | 143T | 84.5 | 78 | 208-230/460V | 4.6-4.2/2.1 | 1.4 | B | 56 | 20NFM-3-1.5-36 | 536.00 | 3,4,22 |
| | 1800 | 145T | 87 | 79 | 208-230/460V | 4.4-4/2 | 1.4 | B | 57 | 20NFM-3-1.5-18 | 523.00 | 3,4,22 |
| | 1200 | 182T | 87.5 | 68 | 208-230/460V | 5.3-4.8/2.4 | 1.4 | B | 85 | 20NFM-3-1.5-12 | 701.00 | 4,22 |
| 2 | 3600 | 145T | 86 | 82 | 208-230/460V | 6-5.4/2.7 | 1.4 | B | 57 | 20NFM-3-2-36 | 579.00 | 3,4,22 |
| | 1800 | 145T | 86.5 | 83 | 208-230/460V | 5.8-5.2/2.6 | 1.4 | B | 59 | 20NFM-3-2-18 | 575.00 | 3,4,22 |
| | 1200 | 184T | 88.5 | 72 | 208-230/460V | 6.6-6/3 | 1.4 | B | 98 | 20NFM-3-2-12 | 762.00 | 3,4,22 |
| 3 | 3600 | 182T | 86.5 | 82 | 208-230/460V | 8.8-8/4 | 1.4 | B | 76 | 20NFM-3-3-36 | 711.00 | 3,4,22 |
| | 1800 | 182T | 89.5 | 75 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | A | 102 | 20NFM-3-3-18 | 645.00 | 3,4,22 |
| | 1200 | 213T | 89.5 | 74 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | B | 205 | 20NFM-3-3-12 | 1,050.00 | 3,4,23 |
| 5 | 3600 | 184T | 89 | 85 | 208-230/460V | 13.7-12.4/6.2 | 1.4 | A | 102 | 20NFM-3-5-36 | 854.00 | 3,4,22 |
| | 1800 | 184T | 89.5 | 78 | 208-230/460V | 14.8-13.4/6.7 | 1.3 | A | 108 | 20NFM-3-5-18 | 757.00 | 3,4,22 |
| | 1200 | 215T | 89.5 | 75 | 208-230/460V | 15.5-14/7 | 1.3 | B | 220 | 20NFM-3-5-12 | 1,305.00 | 3,4,23 |
| 7.5 | 3600 | 213T | 90 | 92 | 208-230/460V | 18.8-17/8.5 | 1.3 | A | 159 | 20NFM-3-7.5-36 | 1,071.00 | 3,4,23 |
| | 1800 | 213T | 91.7 | 82 | 208-230/460V | 20.6-18.6/9.3 | 1.3 | A | 167 | 20NFM-3-7.5-18 | 1,046.00 | 3,4,23 |
| | 1200 | 254T | 91 | 74 | 208-230/460V | 23-20.8/10.4 | 1.3 | A | 321 | 20NFM-3-7.5-12 | 1,900.00 | 3,4,23 |
| 10 | 3600 | 215T | 90.2 | 91 | 208-230/460V | 25.2-22.8/11.4 | 1.3 | A | 173 | 20NFM-3-10-36 | 1,227.00 | 3,4,23 |
| | 1800 | 215T | 91.7 | 82 | 208-230/460V | 27.6-25/12.5 | 1.3 | A | 185 | 20NFM-3-10-18 | 1,216.00 | 3,4,23 |
| | 1200 | 256T | 91 | 77 | 208-230/460V | 29.6-26.8/13.4 | 1.3 | A | 363 | 20NFM-3-10-12 | 2,228.00 | 3,4,23 |
| 15 | 3600 | 254T | 91.7 | 87 | 208-230/460V | 38.9-35.2/17.6 | 1.3 | B | 258 | 20NFM-3-15-36 | 1,645.00 | 3,4,23 |
| | 1800 | 254T | 92.4 | 88 | 208-230/460V | 38.3-34.6/17.3 | 1.3 | A | 301 | 20NFM-3-15-18 | 1,737.00 | 3,4,23 |
| | 1200 | 284T | 91.7 | 79 | 208-230/460V | 43.1-39/19.5 | 1.3 | A | 371 | 20NFM-3-15-12 | 3,061.00 | 3,4,23 |
| 20 | 3600 | 256T | 92 | 89 | 208-230/460V | 50.6-45.8/22.9 | 1.3 | B | 306 | 20NFM-3-20-36 | 2,024.00 | 3,4,23 |
| | 1800 | 256T | 93 | 88 | 208-230/460V | 50.6-45.8/22.9 | 1.2 | A | 390 | 20NFM-3-20-18 | 2,069.00 | 3,4,23 |
| | 1200 | 286T | 91.7 | 80 | 208-230/460V | 56.4-51/25.5 | 1.2 | A | 421 | 20NFM-3-20-12 | 3,685.00 | 3,4,9,23 |

Performance Data & Mounting Dimensions: 20N Series Pages 60-64

Premium Efficient Motors

Motors can be modified from Footed to C-Face and vice versa.

^(a) See notes on inside back cover.

Performance Premium Efficient, 3-Phase, NEMA AC Foot Mounted Motors

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|----|--------------|----------------|----------------|------------------|------------|--------------------|------------|----------------------|
| 25 | 3600 | 284TS | 92.4 | 86 | 208-230/460V | 65.2-59/29.5 | 1.2 | A | 348 | 20NFM-3-25-36 | 2,508.00 | 3,4,9,23 |
| | 1800 | 284T | 93.6 | 82 | 208-230/460V | 67.5-61/30.5 | 1.2 | A | 397 | 20NFM-3-25-18 | 2,578.00 | 3,4,9,23 |
| | 1200 | 324T | 93 | 80 | 208-230/460V | 69.7-63/31.5 | 1.3 | B | 653 | 20NFM-3-25-12 | 4,736.00 | 3,9,13,16,23 |
| 30 | 3600 | 286TS | 91.7 | 87 | 208-230/460V | 77.8-70.4/35.2 | 1.2 | A | 390 | 20NFM-3-30-36 | 2,965.00 | 3,4,9,23 |
| | 1800 | 286T | 93.6 | 80 | 208-230/460V | 82.9-75/37.5 | 1.2 | A | 441 | 20NFM-3-30-18 | 2,997.00 | 3,4,9,23 |
| | 1200 | 326T | 93 | 82 | 208-230/460V | 81.8-74/37 | 1.3 | B | 681 | 20NFM-3-30-12 | 5,168.00 | 3,9,13,16,23 |
| 40 | 3600 | 324TS | 93 | 92 | 208-230/460V | 97.3-88/44 | 1.2 | B | 608 | 20NFM-3-40-36 | 5,073.00 | 9,13,16,23 |
| | 1800 | 324T | 94.1 | 88 | 208-230/460V | 99.5-90/45 | 1.3 | B | 690 | 20NFM-3-40-18 | 4,912.00 | 3,9,13,16,23 |
| | 1200 | 364T | 94.1 | 82 | 208-230/460V | 107.3-97/48.5 | 1.3 | B | 917 | 20NFM-3-40-12 | 6,795.00 | 9,13,16,23 |
| 50 | 3600 | 326TS | 93 | 92 | 208-230/460V | 121.6-110/55 | 1.2 | B | 655 | 20NFM-3-50-36 | 5,563.00 | 9,13,16,23 |
| | 1800 | 326T | 94.5 | 88 | 208-230/460V | 123.8-112/56 | 1.3 | B | 769 | 20NFM-3-50-18 | 5,367.00 | 9,13,16,23 |
| | 1200 | 365T | 94.1 | 83 | 208-230/460V | 132.7-120/60 | 1.3 | B | 970 | 20NFM-3-50-12 | 8,276.00 | 9,13,16,23 |
| 60 | 3600 | 364TS | 93.6 | 92 | 208-230/460V | 143.8-130/65 | 1.2 | B | 860 | 20NFM-3-60-36 | 7,422.00 | 9,13,16,23 |
| | 1800 | 364T | 95 | 88 | 208-230/460V | 148.2-134/67 | 1.2 | B | 926 | 20NFM-3-60-18 | 6,872.00 | 9,13,16,23 |
| | 1200 | 404T | 94.5 | 82 | 208-230/460V | 159.2-144/72 | 1.3 | B | 1127 | 20NFM-3-60-12 | 9,762.00 | 9,13,16,23 |
| 75 | 3600 | 365TS | 94.1 | 92 | 208-230/460V | 179.1-162/81 | 1.2 | B | 933 | 20NFM-3-75-36 | 8,728.00 | 9,13,16,23 |
| | 1800 | 365T | 95.4 | 88 | 208-230/460V | 185.8-168/84 | 1.2 | B | 1012 | 20NFM-3-75-18 | 8,270.00 | 9,13,16,23 |
| | 1200 | 405T | 94.5 | 82 | 208-230/460V | 201.3-182/91 | 1.2 | B | 1210 | 20NFM-3-75-12 | 11,214.00 | 9,13,16,23 |
| 100 | 3600 | 405TS | 95.4 | 90 | 208-230/460V | 241.1-218/109 | 1.2 | B | 1058 | 20NFM-3-100-36 | 10,794.00 | 9,13,16,23 |
| | 1800 | 405T | 95.4 | 91 | 208-230/460V | 238.8-216/108 | 1.2 | B | 1241 | 20NFM-3-100-18 | 11,105.00 | 3,9,13,16,23 |
| | 1200 | 444T | 95 | 80 | 208-230/460V | 272-246/123 | 1.2 | B | 1726 | 20NFM-3-100-12 | 14,537.00 | 9,13,16,23 |
| 125 | 3600 | 444TS | 95.4 | 92 | 460V | 133 | 1.2 | B | 1488 | 20NFM-3-125-36 | 14,758.00 | 9,13,16,21,24 |
| | 1800 | 444T | 95.8 | 90 | 460V | 136 | 1.2 | B | 1662 | 20NFM-3-125-18 | 14,158.00 | 9,13,16,21,24 |
| | 1200 | 445T | 95.4 | 80 | 460V | 153 | 1.2 | B | 1931 | 20NFM-3-125-12 | 16,691.00 | 9,13,16,21,24 |
| 150 | 3600 | 445TS | 95.8 | 92 | 460V | 159 | 1.2 | B | 1594 | 20NFM-3-150-36 | 17,227.00 | 9,13,16,21,24 |
| | 1800 | 445T | 95.8 | 91 | 460V | 161 | 1.2 | B | 1823 | 20NFM-3-150-18 | 16,723.00 | 9,13,16,21,24 |
| 200 | 3600 | 447TS | 95.8 | 93 | 460V | 210 | 1.2 | B | 2161 | 20NFM-3-200-36 | 20,442.00 | 13,16,21,24 |
| | 1800 | 447T | 96.5 | 89 | 460V | 218 | 1.2 | B | 2310 | 20NFM-3-200-18 | 20,239.00 | 13,16,21,24 |
| 250 | 3600 | 447TS | 96.2 | 93 | 460V | 261 | 1.2 | B | 2271 | 20NFM-3-250-36 | 22,185.00 | 9,13,16,21,24 |
| | 1800 | 447T | 96.2 | 91 | 460V | 267 | 1.2 | B | 2447 | 20NFM-3-250-18 | 23,377.00 | 9,13,16,21,24 |
| | 1200 | 449T | 95.0 | 81 | 460V | 304 | 1.15 | C ⁽¹⁾ | 2645 | 40NFM-3-250-12 | 33,904.00 | 4,9,16,21,24,30 |
| 300 | 3600 | 447TS | 95.5 | 92 | 460V | 320 | 1.0 | B | 2271 | 20NFM-3-300-36 | 24,403.00 | 4,9,13,16,21,24,30 |
| | 1800 | 447T | 95.9 | 90 | 460V | 325 | 1.0 | B | 2447 | 20NFM-3-300-18 | 25,715.00 | 4,9,13,16,21,24,30 |
| | 1800 | 449T | 95.4 | 87 | 460V | 338 | 1.15 | C ⁽¹⁾ | 2665 | 40NFM-3-300-18 | 31,682.00 | 4,9,16,21,24,30 |
| | 1200 | 449T | 95.0 | 81 | 460V | 365 | 1.15 | C ⁽¹⁾ | 2830 | 40NFM-3-300-12 | 34,904.00 | 4,9,16,21,24,30 |
| 350 | 1800 | 449T | 95.4 | 87 | 460V | 395 | 1.15 | C ⁽¹⁾ | 2830 | 40NFM-3-350-18 | 33,128.00 | 4,9,16,21,24,30 |
| 400 | 1800 | 449T | 95.2 | 87 | 460V | 452 | 1.0 | C ⁽¹⁾ | 2830 | 40NFM-3-400-18 | 34,526.00 | 4,9,16,21,24,30 |

Performance Data & Mounting Dimensions: 20N Series Pages 60-64

Premium Efficient Motors

Motors can be modified from Footed to C-Face and vice versa.

⁽¹⁾ Design C motors are modified from equivalent Crusher Series (40NFC) on request.

^(a) See notes on inside back cover.



Performance Premium Efficient – 1-400 HP 3PH TEFC 60 Hz NEMA AC C-Face Motors

Applications: Ideal for a wide variety of industrial applications that require a premium efficient foot mounted motor, such as fans & blowers, pumps, conveyors, crushers, compressors, mixers and more.

Features

- Inverter Duty Rated: 10:1CT & 20:1VT
- Service Factor: up to 1.4
- Design: "B" or "A"
- Protection Degree: IP55
- Enclosure: TEFC rigid cast iron frame
- Motors meet NEMA premium efficiency requirements
- VPI applied for best electrical performance
- Oversized ball bearings on both ends
- Designed for horizontal and vertical application
- Low vibration level (below 0.08 in/sec)
- Dual rated for 190/380V 50 Hz (additional voltages available upon request)
- Class "F" insulation with rise at or below Class "B"
- PTC140 thermistors standard for 320 frame and up
- Space heaters standard 447 frame and up
- Motors 213T and larger suitable for wye/delta starting
- Impregnation resin and winding wire Class "H" (DN2E200)
- Stainless steel nameplate with connection diagram
- Efficiency tested according to IEEE112 Method B
- CSA-US certified, DOE approved, CE and NEMA Premium® marked
- Warranty: 3-Years

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | C-Face Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|----|--------------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 1 | 1800 | 143TC | 85.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.4 | B | 53 | 20NCM-3-1-18 | 531.00 | 3,4,22 |
| | 1200 | 145TC | 82.5 | 68 | 208-230/460V | 3.8-3.4/1.7 | 1.4 | B | 55 | 20NCM-3-1-12 | 612.00 | 3,4,22 |
| 1.5 | 3600 | 143TC | 84.5 | 78 | 208-230/460V | 4.6-4.2/2.1 | 1.4 | B | 56 | 20NCM-3-1.5-36 | 580.00 | 3,4,22 |
| | 1800 | 145TC | 87 | 79 | 208-230/460V | 4.4-4/2 | 1.4 | B | 57 | 20NCM-3-1.5-18 | 567.00 | 3,4,22 |
| | 1200 | 182TC | 87.5 | 68 | 208-230/460V | 5.3-4.8/2.4 | 1.4 | B | 85 | 20NCM-3-1.5-12 | 759.00 | 4,22 |
| 2 | 3600 | 145TC | 86 | 82 | 208-230/460V | 6-5.4/2.7 | 1.4 | B | 57 | 20NCM-3-2-36 | 627.00 | 3,4,22 |
| | 1800 | 145TC | 86.5 | 83 | 208-230/460V | 5.8-5.2/2.6 | 1.4 | B | 59 | 20NCM-3-2-18 | 623.00 | 3,4,22 |
| | 1200 | 184TC | 88.5 | 72 | 208-230/460V | 6.6-6/3 | 1.4 | B | 98 | 20NCM-3-2-12 | 825.00 | 3,4,22 |
| 3 | 3600 | 182TC | 86.5 | 82 | 208-230/460V | 8.8-8/4 | 1.4 | B | 76 | 20NCM-3-3-36 | 770.00 | 3,4,22 |
| | 1800 | 182TC | 89.5 | 75 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | A | 102 | 20NCM-3-3-18 | 682.00 | 3,4,22 |
| | 1200 | 213TC | 89.5 | 74 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | B | 205 | 20NCM-3-3-12 | 1,137.00 | 3,4,23 |
| 5 | 3600 | 184TC | 89 | 85 | 208-230/460V | 13.7-12.4/6.2 | 1.4 | A | 102 | 20NCM-3-5-36 | 925.00 | 3,4,22 |
| | 1800 | 184TC | 89.5 | 78 | 208-230/460V | 14.8-13.4/6.7 | 1.3 | A | 108 | 20NCM-3-5-18 | 819.00 | 3,4,22 |
| | 1200 | 215TC | 89.5 | 75 | 208-230/460V | 15.5-14/7 | 1.3 | B | 220 | 20NCM-3-5-12 | 1,414.00 | 3,4,23 |
| 7.5 | 3600 | 213TC | 90 | 92 | 208-230/460V | 18.8-17/8.5 | 1.3 | A | 159 | 20NCM-3-7.5-36 | 1,160.00 | 3,4,23 |
| | 1800 | 213TC | 91.7 | 82 | 208-230/460V | 20.6-18.6/9.3 | 1.3 | A | 167 | 20NCM-3-7.5-18 | 1,120.00 | 3,4,23 |
| | 1200 | 254TC | 91 | 74 | 208-230/460V | 23-20.8/10.4 | 1.3 | A | 321 | 20NCM-3-7.5-12 | 2,057.00 | 3,4,23 |
| 10 | 3600 | 215TC | 90.2 | 91 | 208-230/460V | 25.2-22.8/11.4 | 1.3 | A | 173 | 20NCM-3-10-36 | 1,329.00 | 3,4,23 |
| | 1800 | 215TC | 91.7 | 82 | 208-230/460V | 27.6-25/12.5 | 1.3 | A | 185 | 20NCM-3-10-18 | 1,310.00 | 3,4,23 |
| | 1200 | 256TC | 91 | 77 | 208-230/460V | 29.6-26.8/13.4 | 1.3 | A | 363 | 20NCM-3-10-12 | 2,413.00 | 3,4,23 |
| 15 | 3600 | 254TC | 91.7 | 87 | 208-230/460V | 38.9-35.2/17.6 | 1.3 | B | 258 | 20NCM-3-15-36 | 1,782.00 | 3,4,23 |
| | 1800 | 254TC | 92.4 | 88 | 208-230/460V | 38.3-34.6/17.3 | 1.3 | A | 301 | 20NCM-3-15-18 | 1,881.00 | 3,4,23 |
| | 1200 | 284TC | 91.7 | 79 | 208-230/460V | 43.1-39/19.5 | 1.3 | A | 371 | 20NCM-3-15-12 | 3,315.00 | 3,4,23 |
| 20 | 3600 | 256TC | 92 | 89 | 208-230/460V | 50.6-45.8/22.9 | 1.3 | B | 306 | 20NCM-3-20-36 | 2,192.00 | 3,4,23 |
| | 1800 | 256TC | 93 | 88 | 208-230/460V | 50.6-45.8/22.9 | 1.2 | A | 390 | 20NCM-3-20-18 | 2,241.00 | 3,4,23 |
| | 1200 | 286TC | 91.7 | 80 | 208-230/460V | 56.4-51/25.5 | 1.2 | A | 421 | 20NCM-3-20-12 | 3,990.00 | 3,4,9,23 |

Performance Data & Mounting Dimensions: 20N Series Pages 60-64

Premium Efficient Motors

Motors can be modified from Footed to C-Face and vice versa.

^(a) See notes on inside back cover.

Performance Premium Efficient, 3-Phase, NEMA AC C-Face Motors

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | C-Face Part Number | List Price | Notes ^(a) |
|-----|------|--------|------|----|--------------|----------------|----------------|------------------|------------|--------------------|------------|----------------------|
| 25 | 3600 | 284TSC | 92.4 | 86 | 208-230/460V | 65.2-59/29.5 | 1.2 | A | 348 | 20NCM-3-25-36 | 2,716.00 | 3,4,9,23 |
| | 1800 | 284TC | 93.6 | 82 | 208-230/460V | 67.5-61/30.5 | 1.2 | A | 397 | 20NCM-3-25-18 | 2,792.00 | 3,4,9,23 |
| | 1200 | 324TC | 93 | 80 | 208-230/460V | 69.7-63/31.5 | 1.3 | B | 653 | 20NCM-3-25-12 | 5,129.00 | 3,9,13,16,23 |
| 30 | 3600 | 286TSC | 91.7 | 87 | 208-230/460V | 77.8-70.4/35.2 | 1.2 | A | 390 | 20NCM-3-30-36 | 3,211.00 | 3,4,9,23 |
| | 1800 | 286TC | 93.6 | 80 | 208-230/460V | 82.9-75/37.5 | 1.2 | A | 441 | 20NCM-3-30-18 | 3,246.00 | 3,4,9,23 |
| | 1200 | 326TC | 93 | 82 | 208-230/460V | 81.8-74/37 | 1.3 | B | 681 | 20NCM-3-30-12 | 5,596.00 | 3,9,13,16,23 |
| 40 | 3600 | 324TSC | 93 | 92 | 208-230/460V | 97.3-88/44 | 1.2 | B | 608 | 20NCM-3-40-36 | 5,494.00 | 9,13,16,23 |
| | 1800 | 324TC | 94.1 | 88 | 208-230/460V | 99.5-90/45 | 1.3 | B | 690 | 20NCM-3-40-18 | 5,319.00 | 3,9,13,16,23 |
| | 1200 | 364TC | 94.1 | 82 | 208-230/460V | 107.3-97/48.5 | 1.3 | B | 917 | 20NCM-3-40-12 | 7,359.00 | 9,13,16,23 |
| 50 | 3600 | 326TSC | 93 | 92 | 208-230/460V | 121.6-110/55 | 1.2 | B | 655 | 20NCM-3-50-36 | 6,025.00 | 9,13,16,23 |
| | 1800 | 326TC | 94.5 | 88 | 208-230/460V | 123.8-112/56 | 1.3 | B | 769 | 20NCM-3-50-18 | 5,813.00 | 9,13,16,23 |
| | 1200 | 365TC | 94.1 | 83 | 208-230/460V | 132.7-120/60 | 1.3 | B | 970 | 20NCM-3-50-12 | 8,963.00 | 9,13,16,23 |
| 60 | 3600 | 364TSC | 93.6 | 92 | 208-230/460V | 143.8-130/65 | 1.2 | B | 860 | 20NCM-3-60-36 | 8,038.00 | 9,13,16,23 |
| | 1800 | 364TC | 95 | 88 | 208-230/460V | 148.2-134/67 | 1.2 | B | 926 | 20NCM-3-60-18 | 7,442.00 | 9,13,16,23 |
| | 1200 | 404TC | 94.5 | 82 | 208-230/460V | 159.2-144/72 | 1.3 | B | 1127 | 20NCM-3-60-12 | 10,572.00 | 9,13,16,23 |
| 75 | 3600 | 365TSC | 94.1 | 92 | 208-230/460V | 179.1-162/81 | 1.2 | B | 933 | 20NCM-3-75-36 | 9,452.00 | 9,13,16,23 |
| | 1800 | 365TC | 95.4 | 88 | 208-230/460V | 185.8-168/84 | 1.2 | B | 1012 | 20NCM-3-75-18 | 8,956.00 | 9,13,16,23 |
| | 1200 | 405TC | 94.5 | 82 | 208-230/460V | 201.3-182/91 | 1.2 | B | 1210 | 20NCM-3-75-12 | 12,145.00 | 9,13,16,23 |
| 100 | 3600 | 405TSC | 95.4 | 90 | 208-230/460V | 241.1-218/109 | 1.2 | B | 1058 | 20NCM-3-100-36 | 11,690.00 | 9,13,16,23 |
| | 1800 | 405TC | 95.4 | 91 | 208-230/460V | 238.8-216/108 | 1.2 | B | 1241 | 20NCM-3-100-18 | 12,026.00 | 3,9,13,16,23 |
| | 1200 | 444TC | 95 | 80 | 208-230/460V | 272-246/123 | 1.2 | B | 1726 | 20NCM-3-100-12 | 15,743.00 | 9,13,16,23 |
| 125 | 3600 | 444TSC | 95.4 | 92 | 460V | 133 | 1.2 | B | 1488 | 20NCM-3-125-36 | 15,983.00 | 9,13,16,21,24 |
| | 1800 | 444TC | 95.8 | 90 | 460V | 136 | 1.2 | B | 1662 | 20NCM-3-125-18 | 15,333.00 | 9,13,16,21,24 |
| | 1200 | 445TC | 95.4 | 80 | 460V | 153 | 1.2 | B | 1931 | 20NCM-3-125-12 | 18,076.00 | 9,13,16,21,24 |
| 150 | 3600 | 445TSC | 95.8 | 92 | 460V | 159 | 1.2 | B | 1594 | 20NCM-3-150-36 | 18,657.00 | 9,13,16,21,24 |
| | 1800 | 445TC | 95.8 | 91 | 460V | 161 | 1.2 | B | 1823 | 20NCM-3-150-18 | 18,111.00 | 9,13,16,21,24 |
| 200 | 3600 | 447TSC | 95.8 | 93 | 460V | 210 | 1.2 | B | 2161 | 20NCM-3-200-36 | 22,138.00 | 13,16,21,24 |
| | 1800 | 447TC | 96.5 | 89 | 460V | 218 | 1.2 | B | 2310 | 20NCM-3-200-18 | 21,918.00 | 13,16,21,24 |
| 250 | 3600 | 447TSC | 96.2 | 93 | 460V | 261 | 1.2 | B | 2271 | 20NCM-3-250-36 | 24,026.00 | 9,13,16,21,24 |
| | 1800 | 447TC | 96.2 | 91 | 460V | 267 | 1.2 | B | 2447 | 20NCM-3-250-18 | 25,317.00 | 9,13,16,21,24 |
| | 1200 | 449TC | 95.0 | 81 | 460V | 304 | 1.15 | C ⁽¹⁾ | 2645 | 40NCM-3-250-12 | 35,749.00 | 4,9,16,21,24,30 |
| 300 | 3600 | 447TSC | 95.5 | 92 | 460V | 320 | 1.0 | B | 2271 | 20NCM-3-300-36 | 26,429.00 | 4,9,13,16,21,24,30 |
| | 1800 | 447TC | 95.9 | 90 | 460V | 325 | 1.0 | B | 2447 | 20NCM-3-300-18 | 27,849.00 | 4,9,13,16,21,24,30 |
| | 1800 | 449TC | 95.4 | 87 | 460V | 338 | 1.15 | C ⁽¹⁾ | 2665 | 40NCM-3-300-18 | 33,527.00 | 4,9,16,21,24,30 |
| | 1200 | 449TC | 95.0 | 81 | 460V | 365 | 1.15 | C ⁽¹⁾ | 2830 | 40NCM-3-300-12 | 36,749.00 | 4,9,16,21,24,30 |
| 350 | 1800 | 449TC | 95.4 | 87 | 460V | 395 | 1.15 | C ⁽¹⁾ | 2830 | 40NCM-3-350-18 | 34,973.00 | 4,9,16,21,24,30 |
| 400 | 1800 | 449TC | 95.2 | 87 | 460V | 452 | 1.0 | C ⁽¹⁾ | 2830 | 40NCM-3-400-18 | 36,371.00 | 4,9,16,21,24,30 |

Performance Data & Mounting Dimensions: 20N Series Pages 60-64

Premium Efficient Motors

Motors can be modified from Footed to C-Face and vice versa.

⁽¹⁾ Design C motors are modified from equivalent Crusher Series (40NFC) on request.

^(a) See notes on inside back cover.



All-Purpose Premium Efficient – 1-250 HP 3PH TEFC 60 Hz NEMA AC Foot Mounted Motors

Applications: Ideal for a wide variety of industrial applications that require a premium efficient foot mounted motor, such as fans & blowers, pumps, conveyors, crushers, compressors, mixers and more.

Features

- Inverter Duty Rated: 10:1CT & 20:1VT
- Service Factor: up to 1.25
- Design: "B"
- Protection Degree: IP55
- Enclosure: TEFC
- Motors meet NEMA premium efficiency requirements
- Dual rated for 190/380V 50 Hz
- Class "F" insulation with rise at or below Class "B"
- Motors 213T and larger suitable for wye/delta starting
- Rigid cast iron construction
- Designed for horizontal applications
- High Starting Torque meets Design "C" on most sizes
- F1/F2 convertible
- CSA-US certified, CE marked and DOE approved
- 31N Series is NEMA Premium® marked
- Stainless steel nameplate with connection diagram
- Efficiency tested according to IEEE112 Method B
- Warranty: 3-Years

31N and 32N Series formerly branded as Elektrimax.
See page 1 for details.

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|--------------|--------------|----------------|----------------|-------------|---------------|--------------------|-----------------|----------------------|
| 1 | 3600 | 143T | 84 | 84 | 208-230/460V | 4.4-4/2 | 1.2 | B | 55 | 32NFM-3-1-36 | 422.00 | V,6,8,10,22 |
| | 1800 | 143T | 86.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.25 | B | 52 | 31NFM-3-1-18 | 411.00 | 1,2,5,10,22 |
| | | 143T | 85.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.2 | B | 52 | 32NFM-3-1-18 | 317.00 | V,3,6,8,10,22 |
| | 1200 | 145T | 84 | 66 | 208-230/460V | 3.8-3.4/1.7 | 1.25 | B | 58 | 31NFM-3-1-12 | 505.00 | 1,2,5,9,10,22 |
| | | 145T | 82.5 | 68 | 208-230/460V | 3.7-3.4/1.7 | 1.2 | B | 55 | 32NFM-3-1-12 | 360.00 | V,3,6,8,9,10,22 |
| 900 | 182T | 84 | 60 | 208-230/460V | 4.2-3.8/1.9 | 1.15 | B | 96 | 31NFM-3-1-9 | 1,080.00 | 1,2,3,5,10,22 | |
| 1.5 | 3600 | 143T | 85.5 | 88.5 | 208-230/460V | 4.2-3.8/1.9 | 1.25 | B | 52 | 31NFM-3-1.5-36 | 440.00 | 1,2,3,5,10,22 |
| | | 143T | 84 | 84 | 208-230/460V | 4.4-4/2 | 1.2 | B | 55 | 32NFM-3-1.5-36 | 322.00 | V,3,6,8,10,22 |
| | 1800 | 145T | 87.5 | 78.5 | 208-230/460V | 4.6-4.2/2.1 | 1.25 | B | 58 | 31NFM-3-1.5-18 | 461.00 | 1,2,3,5,9,10,22 |
| | | 145T | 86.5 | 78 | 208-230/460V | 4.6-4.2/2.1 | 1.2 | B | 61 | 32NFM-3-1.5-18 | 342.00 | V,3,6,8,9,10,22 |
| | 1200 | 182T | 87.5 | 68 | 208-230/460V | 5.3-4.8/2.4 | 1.25 | B | 97 | 31NFM-3-1.5-12 | 580.00 | 1,2,3,5,10,22 |
| | | 182T | 87.5 | 75 | 208-230/460V | 4.7-4.2/2.1 | 1.2 | B | 88 | 32NFM-3-1.5-12 | 580.00 | V,3,6,8,10,22 |
| 900 | 184T | 84 | 60.5 | 208-230/460V | 6.2-5.6/2.8 | 1.15 | B | 106 | 31NFM-3-1.5-9 | 1,329.00 | 1,2,3,5,9,10,22 | |
| 2 | 3600 | 145T | 86.5 | 89 | 208-230/460V | 5.5-5/2.5 | 1.25 | B | 60 | 31NFM-3-2-36 | 492.00 | 1,2,3,5,9,10,22 |
| | | 145T | 85.5 | 85 | 208-230/460V | 5.7-5.2/2.6 | 1.2 | B | 63 | 32NFM-3-2-36 | 446.00 | V,3,6,8,9,10,22 |
| | 1800 | 145T | 87.5 | 78 | 208-230/460V | 6.2-5.6/2.8 | 1.25 | B | 58 | 31NFM-3-2-18 | 497.00 | 1,2,3,5,9,10,22 |
| | | 145T | 86.5 | 78 | 208-230/460V | 6.1-5.6/2.8 | 1.2 | B | 63 | 32NFM-3-2-18 | 373.00 | V,6,8,9,10,22 |
| | 1200 | 184T | 88.5 | 73 | 208-230/460V | 6.4-5.8/2.9 | 1.25 | B | 109 | 31NFM-3-2-12 | 677.00 | 1,2,3,5,9,10,22 |
| | | 184T | 88.5 | 75 | 208-230/460V | 6.2-5.6/2.8 | 1.2 | B | 94 | 32NFM-3-2-12 | 639.00 | V,3,6,8,9,10,22 |
| 900 | 213T | 85.5 | 71 | 208-230/460V | 6.9-6.2/3.1 | 1.15 | B | 168 | 31NFM-3-2-9 | 1,548.00 | 1,2,3,5,10,23 | |
| 3 | 3600 | 182T | 88.5 | 90 | 208-230/460V | 8-7.2/3.6 | 1.25 | B | 90 | 31NFM-3-3-36 | 618.00 | 1,2,3,5,10,22 |
| | | 182T | 86.5 | 87 | 208-230/460V | 8.3-7.4/3.7 | 1.2 | B | 90 | 32NFM-3-3-36 | 491.00 | V,3,6,8,10,22 |
| | 1800 | 182T | 90.2 | 81 | 208-230/460V | 8.6-7.8/3.9 | 1.25 | B | 93 | 31NFM-3-3-18 | 607.00 | 1,2,3,5,10,22 |
| | | 182T | 89.5 | 86 | 208-230/460V | 8.1-7.2/3.6 | 1.2 | B | 94 | 32NFM-3-3-18 | 605.00 | V,6,8,10,22 |
| | 1200 | 213T | 89.5 | 75 | 208-230/460V | 9.5-8.6/4.3 | 1.25 | B | 156 | 31NFM-3-3-12 | 860.00 | 1,2,3,5,10,23 |
| | | 213T | 89.5 | 75 | 208-230/460V | 9.3-8.4/4.2 | 1.2 | B | 144 | 32NFM-3-3-12 | 745.00 | V,6,8,10,22 |
| 900 | 215T | 85.5 | 72.5 | 208-230/460V | 10.2-9.2/4.6 | 1.15 | B | 192 | 31NFM-3-3-9 | 2,009.00 | 1,2,3,5,9,10,23 | |

Performance Data & Mounting Dimensions: 31N Series Pages 65-68, 32N Series Pages 69-71

Premium Efficient Motors

Non-stock item may be available in limited supply or by special order. Contact Elektrim at 855-Go-Elektrim or support@elektrimotors.com for details. Motors can be modified from Footed to C-Face and vice versa.

^(a) See notes on inside back cover.

All-Purpose Premium Efficient, 3-Phase, NEMA AC Foot Mounted Motors

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes (a) |
|-------|------|-------|-------|--------------|----------------|----------------|----------------|-------------|--------------|--------------------|---------------|-----------------|
| 5 | 3600 | 184T | 90.2 | 90.5 | 208-230/460V | 12.8-11.6/5.8 | 1.25 | B | 106 | 31NFM-3-5-36 | 708.00 | 1,2,3,5,9,10,23 |
| | | 184T | 88.5 | 88 | 208-230/460V | 13.3-12/6 | 1.2 | B | 99 | 32NFM-3-5-36 | 594.00 | V,3,6,8,9,10,23 |
| | 1800 | 184T | 90.2 | 82.5 | 208-230/460V | 14.2-12.8/6.4 | 1.25 | B | 106 | 31NFM-3-5-18 | 684.00 | 1,2,3,5,9,10,23 |
| | | 184T | 89.5 | 86 | 208-230/460V | 13.5-12.2/6.1 | 1.2 | B | 101 | 32NFM-3-5-18 | 650.00 | V,6,8,9,10,23 |
| | 1200 | 215T | 89.5 | 78 | 208-230/460V | 15.3-13.8/6.9 | 1.25 | B | 192 | 31NFM-3-5-12 | 1,156.00 | 1,2,3,5,9,10,23 |
| | | 215T | 89.5 | 76 | 208-230/460V | 15.2-13.8/6.9 | 1.2 | B | 155 | 32NFM-3-5-12 | 784.00 | V,6,8,9,10,22 |
| 900 | 254T | 89.5 | 70 | 208-230/460V | 16.6-15/7.5 | 1.15 | B | 290 | 31NFM-3-5-9 | 2,758.00 | 1,2,3,5,10,23 | |
| 7.5 | 3600 | 213T | 90.2 | 88 | 208-230/460V | 19.9-18/9 | 1.25 | B | 162 | 31NFM-3-7.5-36 | 1,005.00 | 1,2,3,5,10,23 |
| | | 213T | 89.5 | 88 | 208-230/460V | 19.7-17.8/8.9 | 1.2 | B | 155 | 32NFM-3-7.5-36 | 869.00 | V,3,6,8,10,23 |
| | 1800 | 213T | 91.7 | 86 | 208-230/460V | 20.1-18.2/9.1 | 1.25 | B | 168 | 31NFM-3-7.5-18 | 995.00 | 1,2,5,10,23 |
| | | 213T | 91.7 | 85 | 208-230/460V | 19.9-18/9 | 1.2 | B | 162 | 32NFM-3-7.5-18 | 905.00 | V,6,8,10,23 |
| | 1200 | 254T | 91.7 | 77 | 208-230/460V | 22.3-20.2/10.1 | 1.25 | B | 282 | 31NFM-3-7.5-12 | 1,626.00 | 1,2,3,5,10,23 |
| | | 254T | 91 | 75 | 208-230/460V | 22.8-20.6/10.3 | 1.2 | B | 260 | 32NFM-3-7.5-12 | 1,610.00 | V,6,8,10,23 |
| | 900 | 256T | 89.5 | 70.5 | 208-230/460V | 25-22.6/11.3 | 1.15 | B | 325 | 31NFM-3-7.5-9 | 3,528.00 | 1,2,3,5,9,10,23 |
| | 10 | 3600 | 215T | 91.7 | 89 | 208-230/460V | 25.4-23/11.5 | 1.25 | B | 185 | 31NFM-3-10-36 | 1,112.00 |
| 215T | | | 90.2 | 88 | 208-230/460V | 26.1-23.6/11.8 | 1.2 | B | 175 | 32NFM-3-10-36 | 950.00 | V,6,8,9,10,23 |
| 1800 | | 215T | 91.7 | 87 | 208-230/460V | 26.3-23.8/11.9 | 1.25 | B | 192 | 31NFM-3-10-18 | 1,158.00 | 1,2,5,9,10,23 |
| | | 215T | 91.7 | 85 | 208-230/460V | 26.6-24/12 | 1.2 | B | 184 | 32NFM-3-10-18 | 1,006.00 | V,3,6,8,9,10,23 |
| 1200 | | 256T | 91.7 | 79 | 208-230/460V | 29.2-26.4/13.2 | 1.25 | B | 310 | 31NFM-3-10-12 | 1,977.00 | 1,2,3,5,9,10,23 |
| | | 256T | 91 | 75 | 208-230/460V | 30.3-27.4/13.7 | 1.2 | B | 302 | 32NFM-3-10-12 | 1,547.00 | V,3,6,8,9,10,23 |
| 900 | | 284T | 91 | 70 | 208-230/460V | 33.2-30/15 | 1.15 | B | 445 | 31NFM-3-10-9 | 4,111.00 | 1,2,3,5,10,23 |
| 15 | | 3600 | 254T | 91 | 91 | 208-230/460V | 38.3-34.6/17.3 | 1.25 | B | 300 | 31NFM-3-15-36 | 1,657.00 |
| | 254T | | 91 | 89 | 208-230/460V | 38.4-34.6/17.3 | 1.2 | B | 264 | 32NFM-3-15-36 | 1,505.00 | V,6,8,10,23 |
| | 1800 | 254T | 92.4 | 83 | 208-230/460V | 40.9-37/18.5 | 1.25 | B | 300 | 31NFM-3-15-18 | 1,640.00 | 1,2,3,5,10,23 |
| | | 254T | 92.4 | 85 | 208-230/460V | 39.5-35.8/17.9 | 1.2 | B | 288 | 32NFM-3-15-18 | 1,559.00 | V,3,6,8,10,23 |
| | 1200 | 284T | 92.4 | 80 | 208-230/460V | 42.9-38.8/19.4 | 1.25 | B | 390 | 31NFM-3-15-12 | 2,610.00 | 1,2,3,5,10,23 |
| | | 284T | 91.7 | 81 | 208-230/460V | 41.8-37.8/18.9 | 1.2 | B | 392 | 32NFM-3-15-12 | 2,007.00 | V,6,8,10,23 |
| | 900 | 286T | 91.7 | 73 | 208-230/460V | 46.9-42.4/21.2 | 1.15 | B | 475 | 31NFM-3-15-9 | 5,685.00 | 1,2,3,5,9,10,23 |
| | 20 | 3600 | 256T | 91 | 91 | 208-230/460V | 50.9-46/23 | 1.25 | B | 325 | 31NFM-3-20-36 | 2,011.00 |
| 256T | | | 91 | 89 | 208-230/460V | 51.1-46.2/23.1 | 1.2 | B | 295 | 32NFM-3-20-36 | 2,011.00 | V,3,6,8,9,10,23 |
| 1800 | | 256T | 93 | 83.5 | 208-230/460V | 54.2-49/24.5 | 1.25 | B | 330 | 31NFM-3-20-18 | 1,980.00 | 1,2,3,5,9,10,23 |
| | | 256T | 93 | 85 | 208-230/460V | 52.4-47.4/23.7 | 1.2 | B | 341 | 32NFM-3-20-18 | 1,834.00 | V,3,6,8,9,10,23 |
| 1200 | | 286T | 92.4 | 81 | 208-230/460V | 56.4-51/25.5 | 1.15 | B | 475 | 31NFM-3-20-12 | 3,405.00 | 1,2,3,5,9,10,23 |
| | | 286T | 91.7 | 81 | 208-230/460V | 55.8-50.4/25.2 | 1.2 | B | 454 | 32NFM-3-20-12 | 2,884.00 | V,6,8,9,10,23 |
| 900 | 324T | 91.7 | 73 | 208-230/460V | 62.6-56.6/28.3 | 1.15 | B | 650 | 31NFM-3-20-9 | 6,569.00 | 1,2,3,5,10,23 | |
| 25 | 3600 | 284TS | 91.7 | 90.5 | 208-230/460V | 63.5-57.4/28.7 | 1.15 | B | 410 | 31NFM-3-25-36 | 2,559.00 | 1,2,3,5,10,23 |
| | | 284TS | 91.7 | 90 | 208-230/460V | 62.7-56.8/28.4 | 1.2 | B | 414 | 32NFM-3-25-36 | 2,559.00 | V,3,6,8,10,23 |
| | 1800 | 284T | 93.6 | 84 | 208-230/460V | 66.3-60/30 | 1.15 | B | 410 | 31NFM-3-25-18 | 2,420.00 | 1,2,3,5,10,23 |
| | | 284T | 93.6 | 87 | 208-230/460V | 63.6-57.4/28.7 | 1.2 | B | 432 | 32NFM-3-25-18 | 2,356.00 | V,3,6,8,10,23 |
| | 1200 | 324T | 93 | 85 | 208-230/460V | 66.8-60.4/30.2 | 1.15 | B | 550 | 31NFM-3-25-12 | 3,750.00 | 1,2,3,5,10,23 |
| | | 324T | 93 | 82 | 208-230/460V | 67.9-61.4/30.7 | 1.2 | B | 549 | 32NFM-3-25-12 | 2,828.00 | V,6,8,23 |
| | 900 | 326T | 91.7 | 73 | 208-230/460V | 78.5-71/35.5 | 1.15 | B | 716 | 31NFM-3-25-9 | 7,774.00 | 1,2,3,5,9,10,23 |
| | 30 | 3600 | 286TS | 92.4 | 91 | 208-230/460V | 75.4-68.2/34.1 | 1.15 | B | 450 | 31NFM-3-30-36 | 2,901.00 |
| 286TS | | | 91.7 | 90 | 208-230/460V | 75.3-68/34 | 1.2 | B | 441 | 32NFM-3-30-36 | 1,978.00 | V,6,8,9,10,23 |
| 1800 | | 286T | 93.6 | 84 | 208-230/460V | 79.6-72/36 | 1.15 | B | 475 | 31NFM-3-30-18 | 2,851.00 | 1,2,3,5,9,10,23 |
| | | 286T | 93.6 | 87 | 208-230/460V | 76.3-69/34.5 | 1.2 | B | 474 | 32NFM-3-30-18 | 2,553.00 | V,3,6,8,9,10,23 |
| 1200 | | 326T | 93 | 85.5 | 208-230/460V | 79.6-72/36 | 1.15 | B | 616 | 31NFM-3-30-12 | 4,351.00 | 1,2,3,5,9,10,23 |
| | | 326T | 93 | 82 | 208-230/460V | 81.5-73.6/36.8 | 1.2 | B | 597 | 32NFM-3-30-12 | 4,190.00 | V,6,8,9,23 |
| 900 | | 364T | 92.4 | 74 | 208-230/460V | 92-83.2/41.6 | 1.15 | B | 850 | 31NFM-3-30-9 | 9,157.00 | 1,2,3,5,10,23 |

Performance Data & Mounting Dimensions: 31N Series Pages 65-68, 32N Series Pages 69-71

Premium Efficient Motors

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(a) See notes on inside back cover.

All-Purpose Premium Efficient, 3-Phase, NEMA AC Foot Mounted Motors

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|------|------|-------|-------|--------------|--------------|-------------------|------------------|-------------|--------------|--------------------|-----------------|----------------------|
| 40 | 3600 | 324TS | 93 | 88 | 208-230/460V | 103.3-93.4/46.7 | 1.15 | B | 630 | 31NFM-3-40-36 | 3,705.00 | 1,2,3,5,10,23 |
| | | 324TS | 92.4 | 90 | 208-230/460V | 99.6-90/45 | 1.2 | B | 544 | 32NFM-3-40-36 | 3,046.00 | V,6,8,23 |
| | 1800 | 324T | 95 | 84.5 | 208-230/460V | 104.8-94.8/47.4 | 1.15 | B | 600 | 31NFM-3-40-18 | 3,651.00 | 1,2,3,5,10,23 |
| | | 324T | 94.1 | 88 | 208-230/460V | 100-90.4/45.2 | 1.2 | B | 590 | 32NFM-3-40-18 | 3,651.00 | V,6,8,23 |
| | 1200 | 364T | 94.5 | 84 | 208-230/460V | 106.2-96/48 | 1.15 | B | 850 | 31NFM-3-40-12 | 5,712.00 | 1,2,5,10,23 |
| | | 364T | 94.1 | 86 | 208-230/460V | 102.4-92.6/46.3 | 1.2 | B | 787 | 32NFM-3-40-12 | 5,587.00 | V,6,8,23 |
| 900 | 365T | 92.4 | 76 | 208-230/460V | 119.4-108/54 | 1.15 | B | 960 | 31NFM-3-40-9 | 11,344.00 | 1,2,3,5,9,10,23 | |
| 50 | 3600 | 326TS | 93.6 | 88.5 | 208-230/460V | 126.1-114/57 | 1.15 | B | 650 | 31NFM-3-50-36 | 4,452.00 | 1,2,3,5,9,10,23 |
| | | 326TS | 93 | 90 | 208-230/460V | 123.7-111.8/55.9 | 1.2 | B | 619 | 32NFM-3-50-36 | 4,452.00 | V,6,8,9,23 |
| | 1800 | 326T | 95 | 84.5 | 208-230/460V | 130.5-118/59 | 1.15 | B | 716 | 31NFM-3-50-18 | 4,351.00 | 1,2,3,5,9,10,23 |
| | | 326T | 94.5 | 88 | 208-230/460V | 124.5-112.6/56.3 | 1.2 | B | 683 | 32NFM-3-50-18 | 4,351.00 | V,6,8,9,23 |
| | 1200 | 365T | 94.5 | 84 | 208-230/460V | 132.7-120/60 | 1.15 | B | 960 | 31NFM-3-50-12 | 6,414.00 | 1,2,5,9,10,23 |
| | | 365T | 94.1 | 86 | 208-230/460V | 127.9-115.8/57.9 | 1.2 | B | 864 | 32NFM-3-50-12 | 6,414.00 | V,6,8,9,23 |
| | 900 | 404T | 93 | 76 | 208-230/460V | 148.2-134/67 | 1.15 | B | 1402 | 31NFM-3-50-9 | 12,865.00 | 1,2,3,5,10,23 |
| | 60 | 3600 | 364TS | 93.6 | 90 | 208-230/460V | 147.5-133.4/66.7 | 1.2 | B | 793 | 32NFM-3-60-36 | 6,206.00 |
| 1800 | | 364T | 95 | 84 | 208-230/460V | 158.1-143/71.5 | 1.15 | B | 850 | 31NFM-3-60-18 | 6,388.00 | 1,2,3,5,10,23 |
| | | 364T | 95 | 87 | 208-230/460V | 150.3-136/68 | 1.2 | B | 842 | 32NFM-3-60-18 | 5,414.00 | V,6,8,23 |
| 1200 | | 404T | 94.5 | 86 | 208-230/460V | 152.9-138.2/69.1 | 1.2 | B | 992 | 32NFM-3-60-12 | 8,347.00 | V,6,8,23 |
| 75 | 3600 | 365TS | 93.6 | 90 | 208-230/460V | 184.4-166.8/83.4 | 1.2 | B | 859 | 32NFM-3-75-36 | 6,885.00 | V,6,8,9,23 |
| | 1800 | 365T | 95.4 | 84 | 208-230/460V | 199-180/90 | 1.15 | B | 935 | 31NFM-3-75-18 | 8,112.00 | 1,2,3,5,10,23 |
| | | 365T | 95.4 | 87 | 208-230/460V | 187.1-169.2/84.6 | 1.2 | B | 941 | 32NFM-3-75-18 | 6,347.00 | V,6,8,9,23 |
| | 1200 | 405T | 94.5 | 86 | 208-230/460V | 191.1-172.8/86.4 | 1.2 | B | 1151 | 32NFM-3-75-12 | 8,509.00 | V,6,8,9,23 |
| 100 | 3600 | 405TS | 94.1 | 91 | 208-230/460V | 241.8-218.6/109.3 | 1.2 | B | 1120 | 32NFM-3-100-36 | 8,496.00 | V,6,8,9,23 |
| | 1800 | 405T | 95.4 | 83 | 208-230/460V | 265.4-240/120 | 1.15 | B | 1488 | 31NFM-3-100-18 | 10,182.00 | 1,2,3,5,10,23 |
| | | 405T | 95.4 | 87 | 208-230/460V | 249.5-225.6/112.8 | 1.2 | B | 1173 | 32NFM-3-100-18 | 9,152.00 | V,6,8,9,23 |
| | 1200 | 444T | 95 | 86 | 460V | 114.6 | 1.2 | B | 1455 | 32NFM-3-100-12 | 12,801.00 | V,7,8,9,24 |
| 125 | 3600 | 444TS | 95 | 86.5 | 230/460V | 290/145 | 1.15 | B | 1852 | 31NFM-3-125-36 | 14,851.00 | 1,2,5,10,23 |
| | | 444TS | 95 | 91 | 460V | 135.4 | 1.2 | B | 1334 | 32NFM-3-125-36 | 13,428.00 | V,7,8,24 |
| | 1800 | 444T | 95.4 | 88 | 460V | 139.4 | 1.2 | B | 1433 | 32NFM-3-125-18 | 12,375.00 | V,7,8,24 |
| | 1200 | 445T | 95 | 86 | 460V | 143.3 | 1.2 | B | 1587 | 32NFM-3-125-12 | 14,465.00 | V,7,8,9,21,24 |
| 150 | 3600 | 445TS | 95 | 91 | 460V | 162.5 | 1.2 | B | 1488 | 32NFM-3-150-36 | 16,274.00 | V,7,8,9,21,24 |
| | 1800 | 445T | 95.8 | 88 | 460V | 166.6 | 1.2 | B | 1565 | 32NFM-3-150-18 | 14,618.00 | V,7,8,9,21,24 |
| | 1200 | 447T | 95.8 | 86 | 460V | 170.5 | 1.2 | B | 1885 | 32NFM-3-150-12 | 17,790.00 | V,7,8,9,21,24 |
| 200 | 3600 | 447TS | 95.4 | 92 | 460V | 213.4 | 1.2 | B | 1686 | 32NFM-3-200-36 | 18,268.00 | V,7,8,9,21,24 |
| | 1800 | 449T | 96.2 | 88 | 460V | 221.2 | 1.2 | B | 1907 | 32NFM-3-200-18 | 17,428.00 | V,7,8,9,21,24 |
| | 1200 | 449T | 95.8 | 86 | 460V | 227.3 | 1.2 | B | 2182 | 32NFM-3-200-12 | 20,151.00 | V,7,8,9,21,24 |
| 250 | 3600 | 449TS | 95.8 | 92 | 460V | 265.6 | 1.2 | B | 2048 | 32NFM-3-250-36 | 22,831.00 | V,7,8,9,21,24 |
| | 1800 | 449T | 96.2 | 88 | 460V | 276.5 | 1.2 | B | 1872 | 32NFM-3-250-18 | 21,458.00 | V,7,8,9,21,24 |

Performance Data & Mounting Dimensions: 31N Series Pages 65-68, 32N Series Pages 69-71

Premium Efficient Motors

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^(a) See notes on inside back cover.



All-Purpose Premium Efficient – 1-250 HP 3PH TEFC 60 Hz NEMA AC C-Face Motors

Applications: Ideal for a wide variety of industrial applications that require a premium efficient foot mounted motor, such as fans & blowers, pumps, conveyors, crushers, compressors, mixers and more.

Features

- Inverter Duty Rated: 10:1CT & 20:1VT
- Service Factor: up to 1.25
- Design: "B"
- Protection Degree: IP55
- Enclosure: TEFC
- Motors meet NEMA premium efficiency requirements
- Dual rated for 190/380V 50 Hz
- Class "F" insulation with rise at or below Class "B"
- Motors 213T and larger suitable for wye/delta starting
- Rigid cast iron construction
- Designed for horizontal applications

- High Starting Torque meets Design "C" on most sizes
- F1/F2 convertible
- CSA-US certified, CE marked and DOE approved
- 31N Series is NEMA Premium® marked
- Stainless steel nameplate with connection diagram
- Efficiency tested according to IEEE112 Method B
- Warranty: 3-Years

31N and 32N Series formerly branded as Elektrimax.
See page 1 for details.

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | C-Face Part Number | List Price | Notes (a) | |
|------|------|-------|-------|------|--------------|----------------|----------------|-------------|------------|--------------------|--------------|-----------------|-----------------|
| 1 | 3600 | 143TC | 84 | 84 | 208-230/460V | 4.4-4/2 | 1.2 | B | 55 | 32NCM-3-1-36 | 485.00 | V,6,8,9,10,22 | |
| | | 143TC | 86.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.25 | B | 52 | 31NCM-3-1-18 | 427.00 | 1,2,5,9,10,22 | |
| | 1800 | 143TC | 85.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.2 | B | 52 | 32NCM-3-1-18 | 347.00 | V,3,6,8,9,10,22 | |
| | | 145TC | 84 | 66 | 208-230/460V | 3.8-3.4/1.7 | 1.25 | B | 58 | 31NCM-3-1-12 | 525.00 | 1,2,5,9,10,22 | |
| | 1200 | 145TC | 82.5 | 68 | 208-230/460V | 3.7-3.4/1.7 | 1.2 | B | 55 | 32NCM-3-1-12 | 390.00 | V,3,6,8,9,10,22 | |
| 1.5 | 3600 | 182TC | 84 | 60 | 208-230/460V | 4.2-3.8/1.9 | 1.15 | B | 96 | 31NCM-3-1-9 | 1,185.00 | 1,2,3,5,9,10,22 | |
| | | 143TC | 85.5 | 88.5 | 208-230/460V | 4.2-3.8/1.9 | 1.25 | B | 52 | 31NCM-3-1.5-36 | 457.00 | 1,2,3,5,9,10,22 | |
| | 1800 | 143TC | 84 | 84 | 208-230/460V | 4.4-4/2 | 1.2 | B | 55 | 32NCM-3-1.5-36 | 457.00 | V,3,6,8,9,10,22 | |
| | | 145TC | 87.5 | 78.5 | 208-230/460V | 4.6-4.2/2.1 | 1.25 | B | 58 | 31NCM-3-1.5-18 | 479.00 | 1,2,3,5,9,10,22 | |
| | 1200 | 145TC | 86.5 | 78 | 208-230/460V | 4.6-4.2/2.1 | 1.2 | B | 61 | 32NCM-3-1.5-18 | 367.00 | V,3,6,8,9,10,22 | |
| | | 182TC | 87.5 | 68 | 208-230/460V | 5.3-4.8/2.4 | 1.25 | B | 97 | 31NCM-3-1.5-12 | 603.00 | 1,2,3,5,9,10,22 | |
| | 900 | 182TC | 87.5 | 75 | 208-230/460V | 4.7-4.2/2.1 | 1.2 | B | 88 | 32NCM-3-1.5-12 | 603.00 | V,3,6,8,9,10,22 | |
| | | 184TC | 84 | 60.5 | 208-230/460V | 6.2-5.6/2.8 | 1.15 | B | 106 | 31NCM-3-1.5-9 | 1,449.00 | 1,2,3,5,9,10,22 | |
| | 2 | 3600 | 145TC | 86.5 | 89 | 208-230/460V | 5.5-5/2.5 | 1.25 | B | 60 | 31NCM-3-2-36 | 511.00 | 1,2,3,5,9,10,22 |
| | | | 145TC | 85.5 | 85 | 208-230/460V | 5.7-5.2/2.6 | 1.2 | B | 63 | 32NCM-3-2-36 | 511.00 | V,3,6,8,9,10,22 |
| 1800 | | 145TC | 87.5 | 78 | 208-230/460V | 6.2-5.6/2.8 | 1.25 | B | 58 | 31NCM-3-2-18 | 516.00 | 1,2,3,5,9,10,22 | |
| | | 145TC | 86.5 | 78 | 208-230/460V | 6.1-5.6/2.8 | 1.2 | B | 63 | 32NCM-3-2-18 | 403.00 | V,6,8,9,10,22 | |
| 1200 | | 184TC | 88.5 | 73 | 208-230/460V | 6.4-5.8/2.9 | 1.25 | B | 109 | 31NCM-3-2-12 | 704.00 | 1,2,3,5,9,10,22 | |
| | | 184TC | 88.5 | 75 | 208-230/460V | 6.2-5.6/2.8 | 1.2 | B | 94 | 32NCM-3-2-12 | 686.00 | V,3,6,8,9,10,22 | |
| 900 | | 213TC | 85.5 | 71 | 208-230/460V | 6.9-6.2/3.1 | 1.15 | B | 168 | 31NCM-3-2-9 | 1,688.00 | 1,2,3,5,9,10,23 | |
| | | 182TC | 88.5 | 90 | 208-230/460V | 8-7.2/3.6 | 1.25 | B | 90 | 31NCM-3-3-36 | 642.00 | 1,2,3,5,9,10,22 | |
| 3 | 3600 | 182TC | 86.5 | 87 | 208-230/460V | 8.3-7.4/3.7 | 1.2 | B | 90 | 32NCM-3-3-36 | 557.00 | V,3,6,8,9,10,22 | |
| | | 182TC | 90.2 | 81 | 208-230/460V | 8.6-7.8/3.9 | 1.25 | B | 93 | 31NCM-3-3-18 | 631.00 | 1,2,3,5,9,10,22 | |
| | 1800 | 182TC | 89.5 | 86 | 208-230/460V | 8.1-7.2/3.6 | 1.2 | B | 94 | 32NCM-3-3-18 | 658.00 | V,6,8,9,10,22 | |
| | | 213TC | 89.5 | 75 | 208-230/460V | 9.5-8.6/4.3 | 1.25 | B | 156 | 31NCM-3-3-12 | 894.00 | 1,2,3,5,9,10,23 | |
| | 1200 | 213TC | 89.5 | 75 | 208-230/460V | 9.3-8.4/4.2 | 1.2 | B | 144 | 32NCM-3-3-12 | 779.00 | V,6,8,9,10,22 | |
| | | 215TC | 85.5 | 72.5 | 208-230/460V | 10.2-9.2/4.6 | 1.15 | B | 192 | 31NCM-3-3-9 | 2,190.00 | 1,2,3,5,9,10,23 | |

Performance Data & Mounting Dimensions: 31N Series Pages 65-68, 32N Series Pages 69-71

Premium Efficient Motors

Non-stock item may be available in limited supply or by special order. Contact Elektrim at 855-Go-Elektrim or support@elektrimmotors.com for details. Motors can be modified from Footed to C-Face and vice versa.

(a) See notes on inside back cover.

All-Purpose Premium Efficient, 3-Phase, NEMA AC C-Face Motors

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | C-Face Part Number | List Price | Notes ^(a) |
|-----|-------|--------|------|--------------|----------------|----------------|----------------|-------------|---------------|--------------------|-----------------|----------------------|
| 5 | 3600 | 184TC | 90.2 | 90.5 | 208-230/460V | 12.8-11.6/5.8 | 1.25 | B | 106 | 31NCM-3-5-36 | 736.00 | 1,2,3,5,9,10,23 |
| | | 184TC | 88.5 | 88 | 208-230/460V | 13.3-12/6 | 1.2 | B | 99 | 32NCM-3-5-36 | 642.00 | V3,6,8,9,10,23 |
| | 1800 | 184TC | 90.2 | 82.5 | 208-230/460V | 14.2-12.8/6.4 | 1.25 | B | 106 | 31NCM-3-5-18 | 711.00 | 1,2,3,5,9,10,23 |
| | | 184TC | 89.5 | 86 | 208-230/460V | 13.5-12.2/6.1 | 1.2 | B | 101 | 32NCM-3-5-18 | 696.00 | V6,8,9,10,23 |
| | 1200 | 215TC | 89.5 | 78 | 208-230/460V | 15.3-13.8/6.9 | 1.25 | B | 192 | 31NCM-3-5-12 | 1,202.00 | 1,2,3,5,9,10,23 |
| | | 215TC | 89.5 | 76 | 208-230/460V | 15.2-13.8/6.9 | 1.2 | B | 155 | 32NCM-3-5-12 | 837.00 | V6,8,9,10,22 |
| 900 | 254TC | 89.5 | 70 | 208-230/460V | 16.6-15/7.5 | 1.15 | B | 290 | 31NCM-3-5-9 | 3,007.00 | 1,2,3,5,9,10,23 | |
| 7.5 | 3600 | 213TC | 90.2 | 88 | 208-230/460V | 19.9-18/9 | 1.25 | B | 162 | 31NCM-3-7.5-36 | 1,045.00 | 1,2,3,5,9,10,23 |
| | | 213TC | 89.5 | 88 | 208-230/460V | 19.7-17.8/8.9 | 1.2 | B | 155 | 32NCM-3-7.5-36 | 922.00 | V3,6,8,9,10,23 |
| | 1800 | 213TC | 91.7 | 86 | 208-230/460V | 20.1-18.2/9.1 | 1.25 | B | 168 | 31NCM-3-7.5-18 | 1,034.00 | 1,2,5,9,10,23 |
| | | 213TC | 91.7 | 85 | 208-230/460V | 19.9-18/9 | 1.2 | B | 162 | 32NCM-3-7.5-18 | 939.00 | V6,8,9,10,23 |
| | 1200 | 254TC | 91.7 | 77 | 208-230/460V | 22.3-20.2/10.1 | 1.25 | B | 282 | 31NCM-3-7.5-12 | 1,691.00 | 1,2,3,5,9,10,23 |
| | | 254TC | 91 | 75 | 208-230/460V | 22.8-20.6/10.3 | 1.2 | B | 260 | 32NCM-3-7.5-12 | 1,259.00 | V6,8,9,10,23 |
| 900 | 256TC | 89.5 | 70.5 | 208-230/460V | 25-22.6/11.3 | 1.15 | B | 325 | 31NCM-3-7.5-9 | 3,846.00 | 1,2,3,5,9,10,23 | |
| 10 | 3600 | 215TC | 91.7 | 89 | 208-230/460V | 25.4-23/11.5 | 1.25 | B | 185 | 31NCM-3-10-36 | 1,156.00 | 1,2,3,5,9,10,23 |
| | | 215TC | 90.2 | 88 | 208-230/460V | 26.1-23.6/11.8 | 1.2 | B | 175 | 32NCM-3-10-36 | 1,006.00 | V6,8,9,10,23 |
| | 1800 | 215TC | 91.7 | 87 | 208-230/460V | 26.3-23.8/11.9 | 1.25 | B | 192 | 31NCM-3-10-18 | 1,204.00 | 1,2,5,9,10,23 |
| | | 215TC | 91.7 | 85 | 208-230/460V | 26.6-24/12 | 1.2 | B | 184 | 32NCM-3-10-18 | 1,059.00 | V3,6,8,9,10,23 |
| | 1200 | 256TC | 91.7 | 79 | 208-230/460V | 29.2-26.4/13.2 | 1.25 | B | 310 | 31NCM-3-10-12 | 2,056.00 | 1,2,3,5,9,10,23 |
| | | 256TC | 91 | 75 | 208-230/460V | 30.3-27.4/13.7 | 1.2 | B | 302 | 32NCM-3-10-12 | 2,056.00 | V3,6,8,9,10,23 |
| 900 | 284TC | 91 | 70 | 208-230/460V | 33.2-30/15 | 1.15 | B | 445 | 31NCM-3-10-9 | 4,481.00 | 1,2,3,5,9,10,23 | |
| 15 | 3600 | 254TC | 91 | 91 | 208-230/460V | 38.3-34.6/17.3 | 1.25 | B | 300 | 31NCM-3-15-36 | 1,723.00 | 1,2,3,5,9,10,23 |
| | | 254TC | 91 | 89 | 208-230/460V | 38.4-34.6/17.3 | 1.2 | B | 264 | 32NCM-3-15-36 | 1,723.00 | V6,8,9,10,23 |
| | 1800 | 254TC | 92.4 | 83 | 208-230/460V | 40.9-37/18.5 | 1.25 | B | 300 | 31NCM-3-15-18 | 1,705.00 | 1,2,3,5,9,10,23 |
| | | 254TC | 92.4 | 85 | 208-230/460V | 39.5-35.8/17.9 | 1.2 | B | 288 | 32NCM-3-15-18 | 1,606.00 | V3,6,8,9,10,23 |
| | 1200 | 284TC | 92.4 | 80 | 208-230/460V | 42.9-38.8/19.4 | 1.25 | B | 390 | 31NCM-3-15-12 | 2,714.00 | 1,2,3,5,9,10,23 |
| | | 284TC | 91.7 | 81 | 208-230/460V | 41.8-37.8/18.9 | 1.2 | B | 392 | 32NCM-3-15-12 | 2,714.00 | V6,8,9,10,23 |
| 900 | 286TC | 91.7 | 73 | 208-230/460V | 46.9-42.4/21.2 | 1.15 | B | 475 | 31NCM-3-15-9 | 6,197.00 | 1,2,3,5,9,10,23 | |
| 20 | 3600 | 256TC | 91 | 91 | 208-230/460V | 50.9-46/23 | 1.25 | B | 325 | 31NCM-3-20-36 | 2,091.00 | 1,2,3,5,9,10,23 |
| | | 256TC | 91 | 89 | 208-230/460V | 51.1-46.2/23.1 | 1.2 | B | 295 | 32NCM-3-20-36 | 2,091.00 | V3,6,8,9,10,23 |
| | 1800 | 256TC | 93 | 83.5 | 208-230/460V | 54.2-49/24.5 | 1.25 | B | 330 | 31NCM-3-20-18 | 2,059.00 | 1,2,3,5,9,10,23 |
| | | 256TC | 93 | 85 | 208-230/460V | 52.4-47.4/23.7 | 1.2 | B | 341 | 32NCM-3-20-18 | 1,899.00 | V3,6,8,9,10,23 |
| | 1200 | 286TC | 92.4 | 81 | 208-230/460V | 56.4-51/25.5 | 1.15 | B | 475 | 31NCM-3-20-12 | 3,541.00 | 1,2,3,5,9,10,23 |
| | | 286TC | 91.7 | 81 | 208-230/460V | 55.8-50.4/25.2 | 1.2 | B | 454 | 32NCM-3-20-12 | 3,144.00 | V6,8,9,10,23 |
| 900 | 324TC | 91.7 | 73 | 208-230/460V | 62.6-56.6/28.3 | 1.15 | B | 650 | 31NCM-3-20-9 | 7,161.00 | 1,2,3,5,9,10,23 | |
| 25 | 3600 | 284TSC | 91.7 | 90.5 | 208-230/460V | 63.5-57.4/28.7 | 1.15 | B | 410 | 31NCM-3-25-36 | 2,661.00 | 1,2,3,5,9,10,23 |
| | | 284TSC | 91.7 | 90 | 208-230/460V | 62.7-56.8/28.4 | 1.2 | B | 414 | 32NCM-3-25-36 | 2,259.00 | V3,6,8,9,10,23 |
| | 1800 | 284TC | 93.6 | 84 | 208-230/460V | 66.3-60/30 | 1.15 | B | 410 | 31NCM-3-25-18 | 2,516.00 | 1,2,3,5,9,10,23 |
| | | 284TC | 93.6 | 87 | 208-230/460V | 63.6-57.4/28.7 | 1.2 | B | 432 | 32NCM-3-25-18 | 2,587.00 | V3,6,8,9,10,23 |
| | 1200 | 324TC | 93 | 85 | 208-230/460V | 66.8-60.4/30.2 | 1.15 | B | 550 | 31NCM-3-25-12 | 3,900.00 | 1,2,3,5,9,10,23 |
| | | 324TC | 93 | 82 | 208-230/460V | 67.9-61.4/30.7 | 1.2 | B | 549 | 32NCM-3-25-12 | 3,900.00 | V6,8,9,23 |
| 900 | 326TC | 91.7 | 73 | 208-230/460V | 78.5-71/35.5 | 1.15 | B | 716 | 31NCM-3-25-9 | 8,474.00 | 1,2,3,5,9,10,23 | |
| 30 | 3600 | 286TSC | 92.4 | 91 | 208-230/460V | 75.4-68.2/34.1 | 1.15 | B | 450 | 31NCM-3-30-36 | 3,017.00 | 1,2,3,5,9,10,23 |
| | | 286TSC | 91.7 | 90 | 208-230/460V | 75.3-68/34 | 1.2 | B | 441 | 32NCM-3-30-36 | 3,017.00 | V6,8,9,10,23 |
| | 1800 | 286TC | 93.6 | 84 | 208-230/460V | 79.6-72/36 | 1.15 | B | 475 | 31NCM-3-30-18 | 2,965.00 | 1,2,3,5,9,10,23 |
| | | 286TC | 93.6 | 87 | 208-230/460V | 76.3-69/34.5 | 1.2 | B | 474 | 32NCM-3-30-18 | 2,965.00 | V3,6,8,9,10,23 |
| | 1200 | 326TC | 93 | 85.5 | 208-230/460V | 79.6-72/36 | 1.15 | B | 616 | 31NCM-3-30-12 | 4,525.00 | 1,2,3,5,9,10,23 |
| | | 326TC | 93 | 82 | 208-230/460V | 81.5-73.6/36.8 | 1.2 | B | 597 | 32NCM-3-30-12 | 4,525.00 | V6,8,9,23 |
| 900 | 364TC | 92.4 | 74 | 208-230/460V | 92-83.2/41.6 | 1.15 | B | 850 | 31NCM-3-30-9 | 9,982.00 | 1,2,3,5,9,10,23 | |

Performance Data & Mounting Dimensions: 31N Series Pages 65-68, 32N Series Pages 69-71

Premium Efficient Motors

Non-stock item may be available in limited supply or by special order. Contact Elektrim at 855-Go-Elektrim or support@elektrimotors.com for details. Motors can be modified from Footed to C-Face and vice versa.

^(a) See notes on inside back cover.

All-Purpose Premium Efficient, 3-Phase, NEMA AC C-Face Motors

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | C-Face Part Number | List Price | Notes ^(a) |
|-------|-------|--------|--------|--------------|--------------|-------------------|------------------|-------------|--------------|--------------------|-----------------|----------------------|
| 40 | 3600 | 324TSC | 93 | 88 | 208-230/460V | 103.3-93.4/46.7 | 1.15 | B | 630 | 31NCM-3-40-36 | 3,853.00 | 1,2,3,5,9,10,23 |
| | | 324TSC | 92.4 | 90 | 208-230/460V | 99.6-90/45 | 1.2 | B | 544 | 32NCM-3-40-36 | 3,853.00 | V,6,8,9,23 |
| | 1800 | 324TC | 95 | 84.5 | 208-230/460V | 104.8-94.8/47.4 | 1.15 | B | 600 | 31NCM-3-40-18 | 3,797.00 | 1,2,3,5,9,10,23 |
| | | 324TC | 94.1 | 88 | 208-230/460V | 100-90.4/45.2 | 1.2 | B | 590 | 32NCM-3-40-18 | 3,797.00 | V,6,8,9,23 |
| | 1200 | 364TC | 94.5 | 84 | 208-230/460V | 106.2-96/48 | 1.15 | B | 850 | 31NCM-3-40-12 | 5,940.00 | 1,2,5,9,10,23 |
| | | 364TC | 94.1 | 86 | 208-230/460V | 102.4-92.6/46.3 | 1.2 | B | 787 | 32NCM-3-40-12 | 5,940.00 | V,6,8,9,23 |
| 900 | 365TC | 92.4 | 76 | 208-230/460V | 119.4-108/54 | 1.15 | B | 960 | 31NCM-3-40-9 | 12,365.00 | 1,2,3,5,9,10,23 | |
| 50 | 3600 | 326TSC | 93.6 | 88.5 | 208-230/460V | 126.1-114/57 | 1.15 | B | 650 | 31NCM-3-50-36 | 4,630.00 | 1,2,3,5,9,10,23 |
| | | 326TSC | 93 | 90 | 208-230/460V | 123.7-111.8/55.9 | 1.2 | B | 619 | 32NCM-3-50-36 | 4,630.00 | V,6,8,9,23 |
| | 1800 | 326TC | 95 | 84.5 | 208-230/460V | 130.5-118/59 | 1.15 | B | 716 | 31NCM-3-50-18 | 4,525.00 | 1,2,3,5,9,10,23 |
| | | 326TC | 94.5 | 88 | 208-230/460V | 124.5-112.6/56.3 | 1.2 | B | 683 | 32NCM-3-50-18 | 3,780.00 | V,6,8,9,23 |
| | 1200 | 365TC | 94.5 | 84 | 208-230/460V | 132.7-120/60 | 1.15 | B | 960 | 31NCM-3-50-12 | 6,670.00 | 1,2,5,9,10,23 |
| | | 365TC | 94.1 | 86 | 208-230/460V | 127.9-115.8/57.9 | 1.2 | B | 864 | 32NCM-3-50-12 | 6,670.00 | V,6,8,9,23 |
| | 900 | 404TC | 93 | 76 | 208-230/460V | 148.2-134/67 | 1.15 | B | 1402 | 31NCM-3-50-9 | 14,739.00 | 1,2,3,5,9,10,23 |
| | 60 | 3600 | 364TSC | 93.6 | 90 | 208-230/460V | 147.5-133.4/66.7 | 1.2 | B | 793 | 32NCM-3-60-36 | 6,765.00 |
| 364TC | | | 95 | 84 | 208-230/460V | 158.1-143/71.5 | 1.15 | B | 850 | 31NCM-3-60-18 | 6,579.00 | 1,2,3,5,9,10,23 |
| 1800 | | 364TC | 95 | 87 | 208-230/460V | 150.3-136/68 | 1.2 | B | 842 | 32NCM-3-60-18 | 5,902.00 | V,6,8,9,23 |
| | | 404TC | 94.5 | 86 | 208-230/460V | 152.9-138.2/69.1 | 1.2 | B | 992 | 32NCM-3-60-12 | 9,099.00 | V,6,8,9,23 |
| 75 | 3600 | 365TSC | 93.6 | 90 | 208-230/460V | 184.4-166.8/83.4 | 1.2 | B | 859 | 32NCM-3-75-36 | 7,505.00 | V,6,8,9,23 |
| | | 365T | 95.4 | 84 | 208-230/460V | 199-180/90 | 1.15 | B | 935 | 31NCM-3-75-18 | 8,356.00 | 1,2,3,5,9,10,23 |
| | 1800 | 365TC | 95.4 | 87 | 208-230/460V | 187.1-169.2/84.6 | 1.2 | B | 941 | 32NCM-3-75-18 | 6,919.00 | V,6,8,9,23 |
| | | 405TC | 94.5 | 86 | 208-230/460V | 191.1-172.8/86.4 | 1.2 | B | 1151 | 32NCM-3-75-12 | 9,275.00 | V,6,8,9,23 |
| 100 | 3600 | 405TSC | 94.1 | 91 | 208-230/460V | 241.8-218.6/109.3 | 1.2 | B | 1120 | 32NCM-3-100-36 | 9,261.00 | V,6,8,9,23 |
| | 1800 | 405TC | 95.4 | 87 | 208-230/460V | 249.5-225.6/112.8 | 1.2 | B | 1173 | 32NCM-3-100-18 | 9,976.00 | V,6,8,9,23 |
| | 1200 | 444TC | 95 | 86 | 460V | 114.6 | 1.2 | B | 1455 | 32NCM-3-100-12 | 13,954.00 | V,7,8,9,24 |
| 125 | 3600 | 444TSC | 95 | 91 | 460V | 135.4 | 1.2 | B | 1334 | 32NCM-3-125-36 | 14,637.00 | V,7,8,9,24 |
| | | 444TC | 95.4 | 88 | 460V | 139.4 | 1.2 | B | 1433 | 32NCM-3-125-18 | 13,489.00 | V,7,8,9,24 |
| | 1200 | 445TC | 95 | 86 | 460V | 143.3 | 1.2 | B | 1587 | 32NCM-3-125-12 | 15,767.00 | V,7,8,9,21,24 |
| 150 | 3600 | 445TSC | 95 | 91 | 460V | 162.5 | 1.2 | B | 1488 | 32NCM-3-150-36 | 17,739.00 | V,7,8,9,21,24 |
| | 1800 | 445TC | 95.8 | 88 | 460V | 166.6 | 1.2 | B | 1565 | 32NCM-3-150-18 | 15,934.00 | V,7,8,9,21,24 |
| | 1200 | 447TC | 95.8 | 86 | 460V | 170.5 | 1.2 | B | 1885 | 32NCM-3-150-12 | 19,392.00 | V,7,8,9,21,24 |
| 200 | 3600 | 447TSC | 95.4 | 92 | 460V | 213.4 | 1.2 | B | 1686 | 32NCM-3-200-36 | 19,913.00 | V,7,8,9,21,24 |
| | | 449TC | 96.2 | 88 | 460V | 221.2 | 1.2 | B | 1907 | 32NCM-3-200-18 | 18,997.00 | V,7,8,9,21,24 |
| | 1200 | 449TC | 95.8 | 86 | 460V | 227.3 | 1.2 | B | 2182 | 32NCM-3-200-12 | 21,965.00 | V,7,8,9,21,24 |
| 250 | 3600 | 449TSC | 95.8 | 92 | 460V | 265.6 | 1.2 | B | 2048 | 32NCM-3-250-36 | 24,886.00 | V,7,8,9,21,24 |
| | 1800 | 449TC | 96.2 | 88 | 460V | 276.5 | 1.2 | B | 1872 | 32NCM-3-250-18 | 23,390.00 | V,7,8,9,21,24 |

Performance Data & Mounting Dimensions: 31N Series Pages 65-68, 32N Series Pages 69-71

Premium Efficient Motors

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^(a) See notes on inside back cover.



Severe Duty Premium Efficient – 1-250 HP 3PH TEFC 60 Hz NEMA AC Foot Mounted Motors

Applications: Ideal for hard-wearing applications in petrochemical plants, refineries, tropical climates, mines, foundries, pulp and paper mills, waste management facilities, quarries and processing factories.

Features

- Ultra-strong oversized ball bearings on both ends for extra strength and durability
- High starting torque
- High service factor up to 1.4
- IP55 water-tight and dust-proof TEFC enclosure
- Moisture resistant tropicalization
- High temperature protected Class H wiring
- Cast iron construction including junction box, end brackets and fan guard (double gauge reinforced steel fan guard 320T and up for reduced weight and increased air flow)
- Designed for horizontal and vertical application
- Vacuum pressure impregnation for the most dependable failsafe electrical performance
- Low vibration level (below 0.08 in/sec)
- Inverter duty rated 10:1CT and 20:1VT
- V- Ring up to 286T, **Labyrinth seal 324T and up**
- High temperature grease
- Motors 213T and larger suitable for wye/delta starting
- CSA-US certified, DOE approved, CE and NEMA Premium marked
- Warranty: 3-Years

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|----|--------------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 1 | 1800 | 143T | 85.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.4 | B | 53 | 60NFS-3-1-18 | 737.00 | 3,4,12,22 |
| | 1200 | 145T | 82.5 | 68 | 208-230/460V | 3.8-3.4/1.7 | 1.4 | B | 55 | 60NFS-3-1-12 | 826.00 | 3,4,12,22 |
| 1.5 | 3600 | 143T | 84.5 | 78 | 208-230/460V | 4.6-4.2/2.1 | 1.4 | B | 56 | 60NFS-3-1.5-36 | 744.00 | 3,4,12,22 |
| | 1800 | 145T | 87 | 79 | 208-230/460V | 4.4-4/2 | 1.4 | B | 57 | 60NFS-3-1.5-18 | 785.00 | 3,4,12,22 |
| | 1200 | 182T | 87.5 | 68 | 208-230/460V | 5.3-4.8/2.4 | 1.4 | B | 85 | 60NFS-3-1.5-12 | 906.00 | 3,4,12,22 |
| | 3600 | 145T | 86 | 82 | 208-230/460V | 6-5.4/2.7 | 1.4 | B | 57 | 60NFS-3-2-36 | 786.00 | 3,4,12,22 |
| 2 | 1800 | 145T | 86.5 | 83 | 208-230/460V | 5.8-5.2/2.6 | 1.4 | B | 59 | 60NFS-3-2-18 | 839.00 | 4,12,22 |
| | 1200 | 184T | 88.5 | 72 | 208-230/460V | 6.6-6/3 | 1.4 | B | 98 | 60NFS-3-2-12 | 942.00 | 3,4,12,22 |
| | 3600 | 182T | 86.5 | 82 | 208-230/460V | 8.8-8/4 | 1.4 | B | 76 | 60NFS-3-3-36 | 867.00 | 3,4,12,22 |
| 3 | 1800 | 182T | 89.5 | 75 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | A | 102 | 60NFS-3-3-18 | 852.00 | 3,4,12,22 |
| | 1200 | 213T | 89.5 | 74 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | B | 205 | 60NFS-3-3-12 | 1,210.00 | 3,4,12,23 |
| | 3600 | 184T | 89 | 85 | 208-230/460V | 13.7-12.4/6.2 | 1.4 | A | 102 | 60NFS-3-5-36 | 1,008.00 | 3,4,12,23 |
| 5 | 1800 | 184T | 89.5 | 78 | 208-230/460V | 14.8-13.4/6.7 | 1.3 | A | 108 | 60NFS-3-5-18 | 990.00 | 3,4,12,23 |
| | 1200 | 215T | 89.5 | 75 | 208-230/460V | 15.5-14/7 | 1.3 | B | 220 | 60NFS-3-5-12 | 1,646.00 | 3,4,12,23 |
| | 3600 | 213T | 90 | 92 | 208-230/460V | 18.8-17/8.5 | 1.3 | A | 159 | 60NFS-3-7.5-36 | 1,386.00 | 3,4,12,23 |
| 7.5 | 1800 | 213T | 91.7 | 82 | 208-230/460V | 20.6-18.6/9.3 | 1.3 | A | 167 | 60NFS-3-7.5-18 | 1,383.00 | 3,4,12,23 |
| | 1200 | 254T | 91 | 74 | 208-230/460V | 23-20.8/10.4 | 1.3 | A | 321 | 60NFS-3-7.5-12 | 2,132.00 | 3,4,12,23 |
| | 3600 | 215T | 90.2 | 91 | 208-230/460V | 25.2-22.8/11.4 | 1.3 | A | 173 | 60NFS-3-10-36 | 1,590.00 | 3,4,12,23 |
| 10 | 1800 | 215T | 91.7 | 82 | 208-230/460V | 27.6-25/12.5 | 1.3 | A | 185 | 60NFS-3-10-18 | 1,582.00 | 3,4,12,23 |
| | 1200 | 256T | 91 | 77 | 208-230/460V | 29.6-26.8/13.4 | 1.3 | A | 363 | 60NFS-3-10-12 | 2,563.00 | 3,4,12,23 |
| | 3600 | 254T | 91.7 | 87 | 208-230/460V | 38.9-35.2/17.6 | 1.3 | B | 258 | 60NFS-3-15-36 | 2,038.00 | 3,4,12,23 |
| 15 | 1800 | 254T | 92.4 | 88 | 208-230/460V | 38.3-34.6/17.3 | 1.3 | A | 301 | 60NFS-3-15-18 | 2,025.00 | 3,4,12,23 |
| | 1200 | 284T | 91.7 | 79 | 208-230/460V | 43.1-39/19.5 | 1.3 | A | 371 | 60NFS-3-15-12 | 3,397.00 | 3,4,12,23 |
| | 3600 | 256T | 92 | 89 | 208-230/460V | 50.6-45.8/22.9 | 1.3 | B | 306 | 60NFS-3-20-36 | 2,422.00 | 3,4,12,23 |
| 20 | 1800 | 256T | 93 | 88 | 208-230/460V | 50.6-45.8/22.9 | 1.2 | A | 390 | 60NFS-3-20-18 | 2,380.00 | 3,4,12,23 |
| | 1200 | 286T | 91.7 | 80 | 208-230/460V | 56.4-51/25.5 | 1.2 | A | 421 | 60NFS-3-20-12 | 4,137.00 | 3,4,9,12,23 |
| | 3600 | 284TS | 92.4 | 86 | 208-230/460V | 65.2-59/29.5 | 1.2 | A | 348 | 60NFS-3-25-36 | 2,889.00 | 3,4,12,23 |
| 25 | 1800 | 284T | 93.6 | 82 | 208-230/460V | 67.5-61/30.5 | 1.2 | A | 397 | 60NFS-3-25-18 | 2,853.00 | 3,4,12,23 |
| | 1200 | 324T | 93 | 80 | 208-230/460V | 69.7-63/31.5 | 1.3 | B | 653 | 60NFS-3-25-12 | 5,687.00 | 3,9,12,13,23 |

Performance Data & Mounting Dimensions: 60NFS Series Pages 72-76

Premium Efficient Motors

Motors can be modified from Footed to C-Face and vice versa.

^(a) See notes on inside back cover.

Severe Duty Premium Efficient, 3-Phase, NEMA AC Foot Mounted Motors

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|----|--------------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 30 | 3600 | 286TS | 91.7 | 87 | 208-230/460V | 77.8-70.4/35.2 | 1.2 | A | 390 | 60NFS-3-30-36 | 3,488.00 | 3,4,9,12,23 |
| | 1800 | 286T | 93.6 | 80 | 208-230/460V | 82.9-75/37.5 | 1.2 | A | 441 | 60NFS-3-30-18 | 3,469.00 | 3,4,9,12,23 |
| | 1200 | 326T | 93 | 82 | 208-230/460V | 81.8-74/37 | 1.3 | B | 681 | 60NFS-3-30-12 | 5,768.00 | 3,9,12,13,23 |
| 40 | 3600 | 324TS | 93 | 92 | 208-230/460V | 97.3-88/44 | 1.2 | B | 608 | 60NFS-3-40-36 | 5,752.00 | 9,12,13,23 |
| | 1800 | 324T | 94.1 | 88 | 208-230/460V | 99.5-90/45 | 1.3 | B | 690 | 60NFS-3-40-18 | 5,689.00 | 3,9,12,13,23 |
| | 1200 | 364T | 94.1 | 82 | 208-230/460V | 107.3-97/48.5 | 1.3 | B | 917 | 60NFS-3-40-12 | 7,490.00 | 9,12,13,23 |
| 50 | 3600 | 326TS | 93 | 92 | 208-230/460V | 121.6-110/55 | 1.2 | B | 655 | 60NFS-3-50-36 | 6,121.00 | 3,9,12,13,23 |
| | 1800 | 326T | 94.5 | 88 | 208-230/460V | 123.8-112/56 | 1.3 | B | 769 | 60NFS-3-50-18 | 6,082.00 | 9,12,13,23 |
| | 1200 | 365T | 94.1 | 83 | 208-230/460V | 132.7-120/60 | 1.3 | B | 970 | 60NFS-3-50-12 | 8,776.00 | 9,12,13,23 |
| 60 | 3600 | 364TS | 93.6 | 92 | 208-230/460V | 143.8-130/65 | 1.2 | B | 860 | 60NFS-3-60-36 | 7,929.00 | 3,9,12,13,23 |
| | 1800 | 364T | 95 | 88 | 208-230/460V | 148.2-134/67 | 1.2 | B | 926 | 60NFS-3-60-18 | 7,518.00 | 9,12,13 |
| | 1200 | 404T | 94.5 | 82 | 208-230/460V | 159.2-144/72 | 1.3 | B | 1127 | 60NFS-3-60-12 | 10,685.00 | 9,12,13,23 |
| 75 | 3600 | 365TS | 94.1 | 92 | 208-230/460V | 179.1-162/81 | 1.2 | B | 933 | 60NFS-3-75-36 | 9,409.00 | 9,12,13,23 |
| | 1800 | 365T | 95.4 | 88 | 208-230/460V | 185.8-168/84 | 1.2 | B | 1012 | 60NFS-3-75-18 | 9,291.00 | 9,12,13,23 |
| | 1200 | 405T | 94.5 | 82 | 208-230/460V | 201.3-182/91 | 1.2 | B | 1210 | 60NFS-3-75-12 | 12,127.00 | 9,12,13,23 |
| 100 | 3600 | 405TS | 95.4 | 90 | 208-230/460V | 241.1-218/109 | 1.2 | B | 1058 | 60NFS-3-100-36 | 11,970.00 | 9,12,13,23 |
| | 1800 | 405T | 95.4 | 91 | 208-230/460V | 238.8-216/108 | 1.2 | B | 1241 | 60NFS-3-100-18 | 11,876.00 | 9,12,13,23 |
| | 1200 | 444T | 95 | 80 | 208-230/460V | 272-246/123 | 1.2 | B | 1726 | 60NFS-3-100-12 | 15,346.00 | 9,12,13,23 |
| 125 | 3600 | 444TS | 95.4 | 92 | 460V | 133 | 1.2 | B | 1488 | 60NFS-3-125-36 | 16,372.00 | 3,9,12,13,21,24 |
| | 1800 | 444T | 95.8 | 90 | 460V | 136 | 1.2 | B | 1662 | 60NFS-3-125-18 | 15,610.00 | 9,12,13,21,24 |
| | 1200 | 445T | 95.4 | 80 | 460V | 153 | 1.2 | B | 1931 | 60NFS-3-125-12 | 18,037.00 | 9,12,13,21,24 |
| 150 | 3600 | 445TS | 95.8 | 92 | 460V | 159 | 1.2 | B | 1594 | 60NFS-3-150-36 | 18,581.00 | 9,12,13,21,24 |
| | 1800 | 445T | 95.8 | 91 | 460V | 161 | 1.2 | B | 1823 | 60NFS-3-150-18 | 18,393.00 | 9,12,13,21,24 |
| 200 | 3600 | 447TS | 95.8 | 93 | 460V | 210 | 1.2 | B | 2161 | 60NFS-3-200-36 | 21,814.00 | 12,13,21,24 |
| | 1800 | 447T | 96.5 | 89 | 460V | 218 | 1.2 | B | 2310 | 60NFS-3-200-18 | 21,562.00 | 12,13,21,24 |
| 250 | 3600 | 447TS | 96.2 | 93 | 460V | 261 | 1.2 | B | 2271 | 60NFS-3-250-36 | 25,527.00 | 9,12,13,21,24 |
| | 1800 | 447T | 96.2 | 91 | 460V | 267 | 1.2 | B | 2447 | 60NFS-3-250-18 | 24,940.00 | 9,12,13,21,24 |

Performance Data & Mounting Dimensions: 60NFS Series Pages 72-76

Premium Efficient Motors

Motors can be modified from Footed to C-Face and vice versa.

^(a) See notes on inside back cover.



Severe Duty Premium Efficient – 1-250 HP 3PH TEFC 60 Hz NEMA AC C-Face Motors

Applications: Ideal for hard-wearing applications in petrochemical plants, refineries, tropical climates, mines, foundries, pulp and paper mills, waste management facilities, quarries and processing factories.

Features

- Ultra-strong oversized ball bearings on both ends for extra strength and durability
- High starting torque
- High service factor up to 1.4
- IP55 water-tight and dust-proof TEFC enclosure
- Moisture resistant tropicalization
- High temperature protected Class H wiring
- Cast iron construction including junction box, end brackets and fan guard (double gauge reinforced steel fan guard 320T and up for reduced weight and increased air flow)
- Designed for horizontal and vertical application
- Vacuum pressure impregnation for the most dependable failsafe electrical performance
- Low vibration level (below 0.08 in/sec)
- Inverter duty rated 10:1CT and 20:1VT
- V- Ring up to 286T, **Labyrinth seal 324T and up**
- High temperature grease
- Motors 213T and larger suitable for wye/delta starting
- CSA-US certified, DOE approved, CE and NEMA Premium marked
- Warranty: 3-Years

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | C-Face Part Number | List Price | Notes ^(a) |
|-----|------|--------|------|----|--------------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 1 | 1800 | 143TC | 85.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.4 | B | 53 | 60NCS-3-1-18 | 804.00 | 3,4,12,22 |
| | 1200 | 145TC | 82.5 | 68 | 208-230/460V | 3.8-3.4/1.7 | 1.4 | B | 55 | 60NCS-3-1-12 | 901.00 | 3,4,12,22 |
| 1.5 | 3600 | 143TC | 84.5 | 78 | 208-230/460V | 4.6-4.2/2.1 | 1.4 | B | 56 | 60NCS-3-1.5-36 | 811.00 | 3,4,12,22 |
| | 1800 | 145TC | 87 | 79 | 208-230/460V | 4.4-4/2 | 1.4 | B | 57 | 60NCS-3-1.5-18 | 856.00 | 3,4,12,22 |
| | 1200 | 182TC | 87.5 | 68 | 208-230/460V | 5.3-4.8/2.4 | 1.4 | B | 85 | 60NCS-3-1.5-12 | 988.00 | 3,4,12,22 |
| | 3600 | 145TC | 86 | 82 | 208-230/460V | 6-5.4/2.7 | 1.4 | B | 57 | 60NCS-3-2-36 | 857.00 | 3,4,12,22 |
| 2 | 1800 | 145TC | 86.5 | 83 | 208-230/460V | 5.8-5.2/2.6 | 1.4 | B | 59 | 60NCS-3-2-18 | 915.00 | 4,12,22 |
| | 1200 | 184TC | 88.5 | 72 | 208-230/460V | 6.6-6/3 | 1.4 | B | 98 | 60NCS-3-2-12 | 1,027.00 | 3,4,12,22 |
| | 3600 | 182TC | 86.5 | 82 | 208-230/460V | 8.8-8/4 | 1.4 | B | 76 | 60NCS-3-3-36 | 946.00 | 3,4,12,22 |
| 3 | 1800 | 182TC | 89.5 | 75 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | A | 102 | 60NCS-3-3-18 | 929.00 | 3,4,12,22 |
| | 1200 | 213TC | 89.5 | 74 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | B | 205 | 60NCS-3-3-12 | 1,319.00 | 3,4,12,23 |
| | 3600 | 184TC | 89 | 85 | 208-230/460V | 13.7-12.4/6.2 | 1.4 | A | 102 | 60NCS-3-5-36 | 1,099.00 | 3,4,12,23 |
| 5 | 1800 | 184TC | 89.5 | 78 | 208-230/460V | 14.8-13.4/6.7 | 1.3 | A | 108 | 60NCS-3-5-18 | 1,080.00 | 3,4,12,23 |
| | 1200 | 215TC | 89.5 | 75 | 208-230/460V | 15.5-14/7 | 1.3 | B | 220 | 60NCS-3-5-12 | 1,795.00 | 3,4,12,23 |
| | 3600 | 213TC | 90 | 92 | 208-230/460V | 18.8-17/8.5 | 1.3 | A | 159 | 60NCS-3-7.5-36 | 1,511.00 | 3,4,12,23 |
| 7.5 | 1800 | 213TC | 91.7 | 82 | 208-230/460V | 20.6-18.6/9.3 | 1.3 | A | 167 | 60NCS-3-7.5-18 | 1,508.00 | 3,4,12,23 |
| | 1200 | 254TC | 91 | 74 | 208-230/460V | 23-20.8/10.4 | 1.3 | A | 321 | 60NCS-3-7.5-12 | 2,324.00 | 3,4,12,23 |
| | 3600 | 215TC | 90.2 | 91 | 208-230/460V | 25.2-22.8/11.4 | 1.3 | A | 173 | 60NCS-3-10-36 | 1,734.00 | 3,4,12,23 |
| 10 | 1800 | 215TC | 91.7 | 82 | 208-230/460V | 27.6-25/12.5 | 1.3 | A | 185 | 60NCS-3-10-18 | 1,725.00 | 3,4,12,23 |
| | 1200 | 256TC | 91 | 77 | 208-230/460V | 29.6-26.8/13.4 | 1.3 | A | 363 | 60NCS-3-10-12 | 2,794.00 | 3,4,12,23 |
| | 3600 | 254TC | 91.7 | 87 | 208-230/460V | 38.9-35.2/17.6 | 1.3 | B | 258 | 60NCS-3-15-36 | 2,222.00 | 3,4,12,23 |
| 15 | 1800 | 254TC | 92.4 | 88 | 208-230/460V | 38.3-34.6/17.3 | 1.3 | A | 301 | 60NCS-3-15-18 | 2,208.00 | 3,4,12,23 |
| | 1200 | 284TC | 91.7 | 79 | 208-230/460V | 43.1-39/19.5 | 1.3 | A | 371 | 60NCS-3-15-12 | 3,703.00 | 3,4,12,23 |
| | 3600 | 256TC | 92 | 89 | 208-230/460V | 50.6-45.8/22.9 | 1.3 | B | 306 | 60NCS-3-20-36 | 2,640.00 | 3,4,12,23 |
| 20 | 1800 | 256TC | 93 | 88 | 208-230/460V | 50.6-45.8/22.9 | 1.2 | A | 390 | 60NCS-3-20-18 | 2,595.00 | 3,4,12,23 |
| | 1200 | 286TC | 91.7 | 80 | 208-230/460V | 56.4-51/25.5 | 1.2 | A | 421 | 60NCS-3-20-12 | 4,510.00 | 3,4,9,12,23 |
| | 3600 | 284TSC | 92.4 | 86 | 208-230/460V | 65.2-59/29.5 | 1.2 | A | 348 | 60NCS-3-25-36 | 3,150.00 | 3,4,12,23 |
| 25 | 1800 | 284TC | 93.6 | 82 | 208-230/460V | 67.5-61/30.5 | 1.2 | A | 397 | 60NCS-3-25-18 | 3,110.00 | 3,4,12,23 |
| | 1200 | 324TC | 93 | 80 | 208-230/460V | 69.7-63/31.5 | 1.3 | B | 653 | 60NCS-3-25-12 | 6,199.00 | 3,9,12,13,23 |

Performance Data & Mounting Dimensions: 60NFS Series Pages 72-76

Premium Efficient Motors

Motors can be modified from Footed to C-Face and vice versa.

^(a) See notes on inside back cover.

Severe Duty Premium Efficient, 3-Phase, NEMA AC C-Face Motors

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | C-Face Part Number | List Price | Notes ^(a) |
|-----|------|--------|------|----|--------------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 30 | 3600 | 286TSC | 91.7 | 87 | 208-230/460V | 77.8-70.4/35.2 | 1.2 | A | 390 | 60NCS-3-30-36 | 3,802.00 | 3,4,9,12,23 |
| | 1800 | 286TC | 93.6 | 80 | 208-230/460V | 82.9-75/37.5 | 1.2 | A | 441 | 60NCS-3-30-18 | 3,782.00 | 3,4,9,12,23 |
| | 1200 | 326TC | 93 | 82 | 208-230/460V | 81.8-74/37 | 1.3 | B | 681 | 60NCS-3-30-12 | 6,288.00 | 3,9,12,13,23 |
| 40 | 3600 | 324TSC | 93 | 92 | 208-230/460V | 97.3-88/44 | 1.2 | B | 608 | 60NCS-3-40-36 | 6,270.00 | 9,12,13,23 |
| | 1800 | 324TC | 94.1 | 88 | 208-230/460V | 99.5-90/45 | 1.3 | B | 690 | 60NCS-3-40-18 | 6,202.00 | 3,9,12,13,23 |
| | 1200 | 364TC | 94.1 | 82 | 208-230/460V | 107.3-97/48.5 | 1.3 | B | 917 | 60NCS-3-40-12 | 8,165.00 | 9,12,13,23 |
| 50 | 3600 | 326TSC | 93 | 92 | 208-230/460V | 121.6-110/55 | 1.2 | B | 655 | 60NCS-3-50-36 | 6,672.00 | 3,9,12,13,23 |
| | 1800 | 326TC | 94.5 | 88 | 208-230/460V | 123.8-112/56 | 1.3 | B | 769 | 60NCS-3-50-18 | 6,630.00 | 9,12,13,23 |
| | 1200 | 365TC | 94.1 | 83 | 208-230/460V | 132.7-120/60 | 1.3 | B | 970 | 60NCS-3-50-12 | 9,566.00 | 9,12,13,23 |
| 60 | 3600 | 364TSC | 93.6 | 92 | 208-230/460V | 143.8-130/65 | 1.2 | B | 860 | 60NCS-3-60-36 | 8,643.00 | 3,9,12,13,23 |
| | 1800 | 364TC | 95 | 88 | 208-230/460V | 148.2-134/67 | 1.2 | B | 926 | 60NCS-3-60-18 | 8,195.00 | 9,12,13 |
| | 1200 | 404TC | 94.5 | 82 | 208-230/460V | 159.2-144/72 | 1.3 | B | 1127 | 60NCS-3-60-12 | 11,647.00 | 9,12,13,23 |
| 75 | 3600 | 365TSC | 94.1 | 92 | 208-230/460V | 179.1-162/81 | 1.2 | B | 933 | 60NCS-3-75-36 | 10,256.00 | 9,12,13,23 |
| | 1800 | 365TC | 95.4 | 88 | 208-230/460V | 185.8-168/84 | 1.2 | B | 1012 | 60NCS-3-75-18 | 10,128.00 | 9,12,13,23 |
| | 1200 | 405TC | 94.5 | 82 | 208-230/460V | 201.3-182/91 | 1.2 | B | 1210 | 60NCS-3-75-12 | 13,219.00 | 9,12,13,23 |
| 100 | 3600 | 405TSC | 95.4 | 90 | 208-230/460V | 241.1-218/109 | 1.2 | B | 1058 | 60NCS-3-100-36 | 13,048.00 | 9,12,13,23 |
| | 1800 | 405TC | 95.4 | 91 | 208-230/460V | 238.8-216/108 | 1.2 | B | 1241 | 60NCS-3-100-18 | 12,945.00 | 9,12,13,23 |
| | 1200 | 444TC | 95 | 80 | 208-230/460V | 272-246/123 | 1.2 | B | 1726 | 60NCS-3-100-12 | 16,728.00 | 9,12,13,23 |
| 125 | 3600 | 444TSC | 95.4 | 92 | 460V | 133 | 1.2 | B | 1488 | 60NCS-3-125-36 | 17,846.00 | 3,9,12,13,21,24 |
| | 1800 | 444TC | 95.8 | 90 | 460V | 136 | 1.2 | B | 1662 | 60NCS-3-125-18 | 17,015.00 | 9,12,13,21,24 |
| | 1200 | 445TC | 95.4 | 80 | 460V | 153 | 1.2 | B | 1931 | 60NCS-3-125-12 | 19,661.00 | 9,12,13,21,24 |
| 150 | 3600 | 445TSC | 95.8 | 92 | 460V | 159 | 1.2 | B | 1594 | 60NCS-3-150-36 | 20,254.00 | 9,12,13,21,24 |
| | 1800 | 445TC | 95.8 | 91 | 460V | 161 | 1.2 | B | 1823 | 60NCS-3-150-18 | 20,049.00 | 9,12,13,21,24 |
| 200 | 3600 | 447TSC | 95.8 | 93 | 460V | 210 | 1.2 | B | 2161 | 60NCS-3-200-36 | 23,778.00 | 12,13,21,24 |
| | 1800 | 447TC | 96.5 | 89 | 460V | 218 | 1.2 | B | 2310 | 60NCS-3-200-18 | 23,503.00 | 12,13,21,24 |
| 250 | 3600 | 447TSC | 96.2 | 93 | 460V | 261 | 1.2 | B | 2271 | 60NCS-3-250-36 | 27,825.00 | 9,12,13,21,24 |
| | 1800 | 447TC | 96.2 | 91 | 460V | 267 | 1.2 | B | 2447 | 60NCS-3-250-18 | 27,185.00 | 9,12,13,21,24 |

Performance Data & Mounting Dimensions: 60NFS Series Pages 72-76

Premium Efficient Motors

Motors can be modified from Footed to C-Face and vice versa.

^(a) See notes on inside back cover.



IEC Frame Metric Motors – 0.08-220 HP 3PH TEFC 50/60 Hz AC B3 Foot Mounted Motors

Applications: Designed to meet international standards as replacement motors for overseas applications and machinery such as pumps, conveyors, fans and more.

Features

- Inverter Duty Rated: 5:1CT & 10:1VT at 460V 60 Hz
- Service Factor: up to 1.2 at 460V 60 Hz
- Design: "N" or "H"
- Protection Degree: IP55
- Enclosure: TEFC
- High lock rotor torque
- VPI process applied for best electrical performance
- IEC132 frame and larger suitable for Y/Delta starting
- Electromagnetic compatibility standards: EN 50081-1(2) and EN 50082-1(2)
- Nameplate rated 230/460V 60 Hz and 380/400V 50 Hz
- Oversized ball bearings on both ends for direct coupling
- Class "F" insulation
- Junction box equipped with glands
- F3 mounting position
- Drilled and tapped end shaft
- Drain plugs
- Bidirectional fan
- All motors provided with CE mark
- Warranty: 3-Years

| HP | kW | RPM | Frame | EFF | PF | Voltage | Full Load Amps | IEC Class | IEC Design | Net Weight | Footed B3 Part Number | List Price | Notes ^(a) |
|------|------|------|-------|------|----|----------|----------------|-----------|------------|------------|-----------------------|------------|----------------------|
| 0.08 | 0.06 | 1800 | 56 | 55 | 66 | 230/460V | 0.44/0.22 | IE1 | – | 5.9 | 40MFM-3-.08-18 | 202.00 | 13,15,17,19 |
| 0.12 | 0.09 | 3600 | 56 | 58 | 75 | 230/460V | 0.56/0.28 | IE1 | – | 6.6 | 40MFM-3-.12-36 | 208.00 | 13,15,17,19 |
| | | 1800 | 56 | 61 | 65 | 230/460V | 0.6/0.3 | IE1 | – | 6.4 | 40MFM-3-.12-18 | 208.00 | 13,15,17,19 |
| 0.17 | 0.12 | 3600 | 56 | 63 | 83 | 230/460V | 0.6/0.3 | IE1 | – | 7.5 | 40MFM-3-.17-36 | 212.00 | 13,15,17,19 |
| | | 1800 | 63 | 64 | 72 | 230/460V | 0.7/0.35 | IE1 | – | 7.9 | 40MFM-3-.17-18 | 216.00 | 13,15,17,19 |
| 0.25 | 0.18 | 3600 | 63 | 65 | 80 | 230/460V | 1/0.5 | IE1 | – | 7.9 | 40MFM-3-.25-36 | 217.00 | 13,15,17,19 |
| | | 1800 | 63 | 64 | 70 | 230/460V | 1.1/0.55 | IE1 | – | 9.3 | 40MFM-3-.25-18 | 223.00 | 13,15,17,19 |
| | | 1200 | 71 | 57 | 68 | 230/460V | 1.4/0.7 | IE1 | – | 10.8 | 40MFM-3-.25-12 | 252.00 | 13,15,17,19 |
| 0.33 | 0.25 | 3600 | 63 | 68 | 83 | 230/460V | 1.1/0.55 | IE1 | – | 9.3 | 40MFM-3-.33-36 | 229.00 | 13,15,17,19 |
| | | 1800 | 71 | 66 | 68 | 230/460V | 1.4/0.7 | IE1 | – | 10.6 | 40MFM-3-.33-18 | 229.00 | 13,15,17,19 |
| | | 1200 | 71 | 55 | 70 | 230/460V | 1.8/0.9 | IE1 | – | 12.8 | 40MFM-3-.33-12 | 267.00 | 13,15,17,19 |
| 0.5 | 0.37 | 3600 | 71 | 71 | 68 | 230/460V | 1.8/0.9 | IE1 | – | 11.7 | 40MFM-3-.50-36 | 245.00 | 13,15,17,19 |
| | | 1800 | 71 | 68 | 68 | 230/460V | 2/1 | IE1 | – | 13 | 40MFM-3-.50-18 | 245.00 | 13,15,17,19 |
| | | 1200 | 80 | 64 | 64 | 230/460V | 2.4/1.2 | IE1 | – | 16 | 40MFM-3-.50-12 | 323.00 | 13,15,17,19 |
| 0.75 | 0.55 | 3600 | 71 | 75 | 85 | 230/460V | 2.4/1.2 | IE1 | – | 13.2 | 40MFM-3-.75-36 | 267.00 | 13,15,17,19 |
| | | 1800 | 80 | 70 | 72 | 230/460V | 3/1.5 | IE1 | – | 16.5 | 40MFM-3-.75-18 | 305.00 | 13,15,17,19 |
| | | 1200 | 80 | 67 | 72 | 230/460V | 3.2/1.6 | IE1 | – | 19 | 40MFM-3-.75-12 | 363.00 | 13,15,17,19 |
| 1 | 0.75 | 3600 | 80 | 74 | 80 | 230/460V | 3.2/1.6 | IE1 | – | 17.2 | 40MFM-3-1-36 | 334.00 | 13,15,17,19 |
| | | 1800 | 80 | 75 | 73 | 230/460V | 3.4/1.7 | IE1 | – | 19.4 | 40MFM-3-1-18 | 311.00 | 13,15,17,19 |
| | | 1200 | 90S | 80 | 65 | 230/460V | 3.6/1.8 | IE2 | H | 36.4 | 20MFM-3-1-12 | 657.00 | 13,14,15,17,19 |
| 1.5 | 1.1 | 3600 | 80 | 77 | 84 | 230/460V | 4.4/2.2 | IE1 | – | 20.1 | 40MFM-3-1.5-36 | 362.00 | 13,15,17,19 |
| | | 1800 | 90S | 84 | 72 | 230/460V | 4.6/2.3 | IE2 | H | 36 | 20MFM-3-1.5-18 | 633.00 | 13,14,15,17,19 |
| 2 | 1.5 | 3600 | 90S | 85.5 | 79 | 230/460V | 5.6/2.8 | IE3 | N | 31 | 20MFM-3-2-36 | 616.00 | 13,14,15,17,19 |
| | | 1800 | 90L | 84 | 74 | 230/460V | 6/3 | IE2 | H | 42 | 20MFM-3-2-18 | 671.00 | 13,14,15,17,19 |
| 3 | 2.2 | 3600 | 90L | 86.5 | 80 | 230/460V | 8/4 | IE3 | N | 38 | 20MFM-3-3-36 | 763.00 | 13,14,15,17,19 |
| | | 1800 | 100L | 87.5 | 79 | 230/460V | 8/4 | IE2 | H | 56 | 20MFM-3-3-18 | 755.00 | 13,14,15,17,19 |
| | | 1200 | 112M | 87.5 | 72 | 230/460V | 8.8/4.4 | IE2 | H | 71 | 20MFM-3-3-12 | 1,135.00 | 13,14,15,17,19 |

Performance Data & Mounting Dimensions: 20M Series Pages 78-84, 40M Series Pages 77-84

Premium Efficient Motors

Motors can be modified from Footed to C-Face or D-Flange and vice versa.

Motors are dual rated for 50 Hz and 60 Hz: 380/400V 50 Hz and 230/460V 60 Hz

^(a) See notes on inside back cover.

IEC Frame Metric, 3-Phase, AC B3 Foot Mounted Motors

| HP | kW | RPM | Frame | EFF | PF | Voltage | Full Load Amps | IEC Class | IEC Design | Net Weight | Footed B3 Part Number | List Price | Notes (a) |
|-----|------|------|-------|------|----|----------|----------------|-----------|------------|------------|-----------------------|------------|----------------|
| 4 | 3 | 3600 | 100L | 88.5 | 81 | 230/460V | 10.6/5.3 | IE3 | N | 59 | 20MFM-3-4-36 | 845.00 | 13,14,15,17,19 |
| | | 1800 | 100L | 87.5 | 74 | 230/460V | 11.6/5.8 | IE2 | H | 66 | 20MFM-3-4-18 | 869.00 | 13,14,15,17,19 |
| | | 1200 | 132S | 87.5 | 76 | 230/460V | 11.4/5.7 | IE2 | H | 119 | 20MFM-3-4-12 | 1,498.00 | 13,15,18,20,23 |
| 5.5 | 4 | 3600 | 112M | 89 | 85 | 230/460V | 13.2/6.6 | IE3 | N | 74 | 20MFM-3-5-5-36 | 928.00 | 13,14,15,17,19 |
| | | 1800 | 112M | 87.5 | 78 | 230/460V | 14.8/7.4 | IE2 | H | 78 | 20MFM-3-5-5-18 | 927.00 | 13,14,15,17,19 |
| | | 1200 | 132M | 87.5 | 76 | 230/460V | 15/7.5 | IE2 | H | 146 | 20MFM-3-5-5-12 | 1,507.00 | 13,15,18,20,23 |
| 7.5 | 5.5 | 3600 | 132S | 89.5 | 88 | 230/460V | 17.6/8.8 | IE3 | N | 132 | 20MFM-3-7-5-36 | 1,150.00 | 13,15,18,20,23 |
| | | 1800 | 132S | 89.5 | 79 | 230/460V | 19.6/9.8 | IE2 | H | 156 | 20MFM-3-7-5-18 | 1,308.00 | 13,15,18,20,23 |
| | | 1200 | 132M | 89.5 | 77 | 230/460V | 22.4/11.2 | IE2 | H | 159 | 20MFM-3-7-5-12 | 2,448.00 | 13,15,18,20,23 |
| 10 | 7.5 | 3600 | 132S | 90.2 | 91 | 230/460V | 23/11.5 | IE3 | N | 156 | 20MFM-3-10-36 | 1,302.00 | 13,15,18,20,23 |
| | | 1800 | 132M | 89.5 | 80 | 230/460V | 26.2/13.1 | IE2 | H | 162 | 20MFM-3-10-18 | 1,503.00 | 13,15,18,20,23 |
| | | 1200 | 160M | 89.5 | 80 | 230/460V | 26.2/13.1 | IE2 | H | 221 | 20MFM-3-10-12 | 2,536.00 | 15,18,20,23 |
| 15 | 11 | 3600 | 160M | 91 | 86 | 230/460V | 35.2/17.6 | IE3 | N | 212 | 20MFM-3-15-36 | 1,815.00 | 15,18,20,23 |
| | | 1800 | 160M | 91 | 80 | 230/460V | 38/19 | IE2 | H | 234 | 20MFM-3-15-18 | 1,862.00 | 15,18,20,23 |
| | | 1200 | 160L | 90.2 | 82 | 230/460V | 37.4/18.7 | IE2 | H | 276 | 20MFM-3-15-12 | 3,010.00 | 15,18,20,23 |
| 20 | 15 | 3600 | 160M | 91 | 89 | 230/460V | 46.4/23.2 | IE3 | N | 227 | 20MFM-3-20-36 | 2,150.00 | 15,18,20,23 |
| | | 1800 | 160L | 91 | 80 | 230/460V | 51.8/25.9 | IE2 | H | 278 | 20MFM-3-20-18 | 2,236.00 | 15,18,20,23 |
| | | 1200 | 180L | 90.2 | 81 | 230/460V | 51.6/25.8 | IE2 | H | 375 | 20MFM-3-20-12 | 3,622.00 | 15,18,20,23 |
| 25 | 18.5 | 3600 | 160L | 91.7 | 90 | 230/460V | 56.2/28.1 | IE3 | N | 260 | 20MFM-3-25-36 | 2,594.00 | 15,18,20,23 |
| | | 1800 | 180M | 92.4 | 85 | 230/460V | 59.2/29.6 | IE2 | H | 373 | 20MFM-3-25-18 | 2,726.00 | 15,18,20,23 |
| | | 1200 | 200L | 92 | 77 | 230/460V | 66/33 | IE2 | H | 624 | 20MFM-3-25-12 | 5,845.00 | 16,18,20,23 |
| 30 | 22 | 3600 | 180M | 91.7 | 87 | 230/460V | 69.2/34.6 | IE3 | N | 345 | 20MFM-3-30-36 | 3,130.00 | 15,18,20,23 |
| | | 1800 | 180L | 92.4 | 86 | 230/460V | 69.4/34.7 | IE2 | H | 397 | 20MFM-3-30-18 | 3,396.00 | 15,18,20,23 |
| | | 1200 | 200L | 92.1 | 79 | 230/460V | 76/38 | IE2 | H | 648 | 20MFM-3-30-12 | 6,151.00 | 16,18,20,23 |
| 40 | 30 | 3600 | 200L | 92.4 | 90 | 230/460V | 90/45 | IE3 | N | 585 | 20MFM-3-40-36 | 7,275.00 | 16,18,20,23 |
| | | 1800 | 200L | 93.4 | 87 | 230/460V | 92/46 | IE2 | H | 628 | 20MFM-3-40-18 | 5,982.00 | 16,18,20,23 |
| | | 1200 | 225M | 93 | 81 | 230/460V | 100/50 | IE2 | H | 836 | 20MFM-3-40-12 | 7,952.00 | 16,18,20,23 |
| 50 | 37 | 3600 | 200L | 93 | 88 | 230/460V | 114/57 | IE3 | N | 624 | 20MFM-3-50-36 | 8,009.00 | 16,18,20,23 |
| | | 1800 | 225S | 93.7 | 87 | 230/460V | 114/57 | IE2 | H | 811 | 20MFM-3-50-18 | 7,666.00 | 16,18,20,23 |
| | | 1200 | 250M | 93 | 81 | 230/460V | 124/62 | IE2 | H | 1010 | 20MFM-3-50-12 | 9,958.00 | 16,18,20,23 |
| 60 | 45 | 3600 | 225M | 93.6 | 87 | 230/460V | 138/69 | IE3 | N | 838 | 20MFM-3-60-36 | 8,833.00 | 16,18,20,23 |
| | | 1800 | 225M | 93.9 | 87 | 230/460V | 138/69 | IE2 | H | 871 | 20MFM-3-60-18 | 8,696.00 | 16,18,20,23 |
| | | 1200 | 280S | 93.7 | 83 | 230/460V | 146/73 | IE2 | H | 1504 | 20MFM-3-60-12 | 13,495.00 | 16,18,20,23 |
| 75 | 55 | 3600 | 250M | 93.6 | 90 | 230/460V | 164/82 | IE3 | N | 1085 | 20MFM-3-75-36 | 11,457.00 | 16,18,20,23 |
| | | 1800 | 250M | 94.1 | 89 | 230/460V | 164/82 | IE2 | H | 1054 | 20MFM-3-75-18 | 9,704.00 | 16,18,20,23 |
| | | 1200 | 280M | 94.2 | 81 | 230/460V | 182/91 | IE2 | H | 1638 | 20MFM-3-75-12 | 14,440.00 | 16,18,20,23 |
| 100 | 75 | 3600 | 280S | 94.1 | 90 | 230/460V | 222/111 | IE3 | N | 1444 | 20MFM-3-100-36 | 12,803.00 | 16,18,20,23 |
| | | 1800 | 280S | 95 | 89 | 230/460V | 224/112 | IE2 | H | 1495 | 20MFM-3-100-18 | 12,761.00 | 16,18,20,23 |
| | | 1200 | 315S | 94.5 | 81 | 230/460V | 246/123 | IE2 | H | 2168 | 20MFM-3-100-12 | 19,873.00 | 16,18,20,23 |
| 125 | 90 | 3600 | 280M | 95 | 90 | 230/460V | 264/132 | IE3 | N | 1517 | 20MFM-3-125-36 | 15,595.00 | 16,18,20,23 |
| | | 1800 | 280M | 95.3 | 89 | 230/460V | 264/132 | IE2 | H | 1543 | 20MFM-3-125-18 | 13,775.00 | 16,18,20,23 |
| | | 1200 | 315M | 94.7 | 81 | 230/460V | 294/147 | IE2 | H | 2366 | 20MFM-3-125-12 | 22,096.00 | 16,18,20,23 |
| 150 | 110 | 1800 | 315M | 95 | 90 | 230/460V | 322/161 | IE2 | H | 1995 | 20MFM-3-150-18 | 19,583.00 | 16,18,20,23 |
| 220 | 160 | 1800 | 315M | 95.5 | 90 | 230/460V | 468/234 | IE2 | H | 2310 | 20MFM-3-220-18 | 27,253.00 | 16,18,20,23 |

Performance Data & Mounting Dimensions: 20M Series Pages 78-84, 40M Series Pages 77-84

ADVANCED CAPABILITIES
Metric IEC

Large Frame Metric IEC motors up to 6300 HP, Brake, Medium Voltage and more!

→ → → LEARN MORE pages 26-29





IEC Frame Metric Motors – 0.08-220 HP 3PH TEFC 50/60 Hz AC B35 Standard D-Flange Motors

Applications: Designed to meet international standards as replacement motors for overseas applications and machinery such as pumps, conveyors, fans and more.

See addendum
page 108 for
Reduction
D-Flange
motors

Features

- Inverter Duty Rated: 5:1CT & 10:1VT at 460V 60 Hz
- Service Factor: up to 1.2 at 460V 60 Hz
- Design: "N" or "H"
- Protection Degree: IP55
- Enclosure: TEFC
- High lock rotor torque
- VPI process applied for best electrical performance
- IEC132 frame and larger suitable for Y/Delta starting
- Electromagnetic compatibility standards: EN 50081-1(2) and EN 50082-1(2)
- Nameplate rated 230/460V 60 Hz and 380/400V 50 Hz
- Oversized ball bearings on both ends for direct coupling
- Class "F" insulation
- Junction box equipped with glands
- F3 mounting position
- Drilled and tapped end shaft
- Drain plugs
- Bidirectional fan
- All motors provided with CE mark
- Warranty: 3-Years

| HP | kW | RPM | Frame | EFF | PF | Voltage | Full Load Amps | IEC Class | IEC Design | Net Weight | D-Flange B35 Part Number | List Price | Notes ^(a) |
|------|------|------|-------|------|----|----------|----------------|-----------|------------|------------|--------------------------|------------|----------------------|
| 0.08 | 0.06 | 1800 | 56 | 55 | 66 | 230/460V | 0.44/0.22 | IE1 | – | 5.9 | 40MDM-3-.08-18 | 220.00 | 13,15,17,19 |
| | | 3600 | 56 | 58 | 75 | 230/460V | 0.56/0.28 | IE1 | – | 6.6 | 40MDM-3-.12-36 | 227.00 | 13,15,17,19 |
| 0.12 | 0.09 | 1800 | 56 | 61 | 65 | 230/460V | 0.6/0.3 | IE1 | – | 6.4 | 40MDM-3-.12-18 | 227.00 | 13,15,17,19 |
| | | 3600 | 56 | 63 | 83 | 230/460V | 0.6/0.3 | IE1 | – | 7.5 | 40MDM-3-.17-36 | 231.00 | 13,15,17,19 |
| 0.17 | 0.12 | 1800 | 63 | 64 | 72 | 230/460V | 0.7/0.35 | IE1 | – | 7.9 | 40MDM-3-.17-18 | 235.00 | 13,15,17,19 |
| | | 3600 | 63 | 65 | 80 | 230/460V | 1/0.5 | IE1 | – | 7.9 | 40MDM-3-.25-36 | 237.00 | 13,15,17,19 |
| 0.25 | 0.18 | 1800 | 63 | 64 | 70 | 230/460V | 1.1/0.55 | IE1 | – | 9.3 | 40MDM-3-.25-18 | 243.00 | 13,15,17,19 |
| | | 1200 | 71 | 57 | 68 | 230/460V | 1.4/0.7 | IE1 | – | 10.8 | 40MDM-3-.25-12 | 275.00 | 13,15,17,19 |
| | | 3600 | 63 | 68 | 83 | 230/460V | 1.1/0.55 | IE1 | – | 9.3 | 40MDM-3-.33-36 | 250.00 | 13,15,17,19 |
| 0.33 | 0.25 | 1800 | 71 | 66 | 68 | 230/460V | 1.4/0.7 | IE1 | – | 10.6 | 40MDM-3-.33-18 | 250.00 | 13,15,17,19 |
| | | 1200 | 71 | 55 | 70 | 230/460V | 1.8/0.9 | IE1 | – | 12.8 | 40MDM-3-.33-12 | 291.00 | 13,15,17,19 |
| | | 3600 | 71 | 71 | 68 | 230/460V | 1.8/0.9 | IE1 | – | 11.7 | 40MDM-3-.50-36 | 267.00 | 13,15,17,19 |
| 0.5 | 0.37 | 1800 | 71 | 68 | 68 | 230/460V | 2/1 | IE1 | – | 13 | 40MDM-3-.50-18 | 267.00 | 13,15,17,19 |
| | | 1200 | 80 | 64 | 64 | 230/460V | 2.4/1.2 | IE1 | – | 16 | 40MDM-3-.50-12 | 352.00 | 13,15,17,19 |
| | | 3600 | 71 | 75 | 85 | 230/460V | 2.4/1.2 | IE1 | – | 13.2 | 40MDM-3-.75-36 | 291.00 | 13,15,17,19 |
| 0.75 | 0.55 | 1800 | 80 | 70 | 72 | 230/460V | 3/1.5 | IE1 | – | 16.5 | 40MDM-3-.75-18 | 332.00 | 13,15,17,19 |
| | | 1200 | 80 | 67 | 72 | 230/460V | 3.2/1.6 | IE1 | – | 19 | 40MDM-3-.75-12 | 396.00 | 13,15,17,19 |
| | | 3600 | 80 | 74 | 80 | 230/460V | 3.2/1.6 | IE1 | – | 17.2 | 40MDM-3-1-36 | 364.00 | 13,15,17,19 |
| 1 | 0.75 | 1800 | 80 | 75 | 73 | 230/460V | 3.4/1.7 | IE1 | – | 19.4 | 40MDM-3-1-18 | 339.00 | 13,15,17,19 |
| | | 1200 | 90S | 80 | 65 | 230/460V | 3.6/1.8 | IE2 | H | 36.4 | 20MDM-3-1-12 | 716.00 | 13,14,15,17,19 |
| | | 3600 | 80 | 77 | 84 | 230/460V | 4.4/2.2 | IE1 | – | 20.1 | 40MDM-3-1.5-36 | 395.00 | 13,15,17,19 |
| 1.5 | 1.1 | 1800 | 90S | 84 | 72 | 230/460V | 4.6/2.3 | IE2 | H | 36 | 20MDM-3-1.5-18 | 690.00 | 13,14,15,17,19 |
| | | 3600 | 90S | 85.5 | 79 | 230/460V | 5.6/2.8 | IE3 | N | 31 | 20MDM-3-2-36 | 671.00 | 13,14,15,17,19 |
| 2 | 1.5 | 1800 | 90L | 84 | 74 | 230/460V | 6/3 | IE2 | H | 42 | 20MDM-3-2-18 | 731.00 | 13,14,15,17,19 |
| | | 3600 | 90L | 86.5 | 80 | 230/460V | 8/4 | IE3 | N | 38 | 20MDM-3-3-36 | 832.00 | 13,14,15,17,19 |
| 3 | 2.2 | 1800 | 100L | 87.5 | 79 | 230/460V | 8/4 | IE2 | H | 56 | 20MDM-3-3-18 | 823.00 | 13,14,15,17,19 |
| | | 1200 | 112M | 87.5 | 72 | 230/460V | 8.8/4.4 | IE2 | H | 71 | 20MDM-3-3-12 | 1,237.00 | 13,14,15,17,19 |
| | | 3600 | 90L | 86.5 | 80 | 230/460V | 8/4 | IE3 | N | 38 | 20MDM-3-3-36 | 832.00 | 13,14,15,17,19 |

Performance Data & Mounting Dimensions: 20M Series Pages 78-84, 40M Series Pages 77-84

Premium Efficient Motors

Motors can be modified from Footed to C-Face or D-Flange and vice versa.

Motors are dual rated for 50 Hz and 60 Hz: 380/400V 50 Hz and 230/460V 60 Hz

^(a) See notes on inside back cover.

IEC Frame Metric, 3-Phase, AC B35 Standard D-Flange Motors

| HP | KW | RPM | Frame | EFF | PF | Voltage | Full Load Amps | IEC Class | IEC Design | Net Weight | D-Flange B35 Part Number | List Price | Notes (a) |
|-----|------|------|-------|------|----|----------|----------------|-----------|------------|------------|--------------------------|------------|----------------|
| 4 | 3 | 3600 | 100L | 88.5 | 81 | 230/460V | 10.6/5.3 | IE3 | N | 59 | 20MDM-3-4-36 | 921.00 | 13,14,15,17,19 |
| | | 1800 | 100L | 87.5 | 74 | 230/460V | 11.6/5.8 | IE2 | H | 66 | 20MDM-3-4-18 | 947.00 | 13,14,15,17,19 |
| | | 1200 | 132S | 87.5 | 76 | 230/460V | 11.4/5.7 | IE2 | H | 119 | 20MDM-3-4-12 | 1,633.00 | 13,15,18,20,23 |
| 5.5 | 4 | 3600 | 112M | 89 | 85 | 230/460V | 13.2/6.6 | IE3 | N | 74 | 20MDM-3-5-5-36 | 1,012.00 | 13,14,15,17,19 |
| | | 1800 | 112M | 87.5 | 78 | 230/460V | 14.8/7.4 | IE2 | H | 78 | 20MDM-3-5-5-18 | 1,010.00 | 13,14,15,17,19 |
| | | 1200 | 132M | 87.5 | 76 | 230/460V | 15/7.5 | IE2 | H | 146 | 20MDM-3-5-5-12 | 1,643.00 | 13,15,18,20,23 |
| 7.5 | 5.5 | 3600 | 132S | 89.5 | 88 | 230/460V | 17.6/8.8 | IE3 | N | 132 | 20MDM-3-7-5-36 | 1,254.00 | 13,15,18,20,23 |
| | | 1800 | 132S | 89.5 | 79 | 230/460V | 19.6/9.8 | IE2 | H | 156 | 20MDM-3-7-5-18 | 1,426.00 | 13,15,18,20,23 |
| | | 1200 | 132M | 89.5 | 77 | 230/460V | 22.4/11.2 | IE2 | H | 159 | 20MDM-3-7-5-12 | 2,668.00 | 13,15,18,20,23 |
| 10 | 7.5 | 3600 | 132S | 90.2 | 91 | 230/460V | 23/11.5 | IE3 | N | 156 | 20MDM-3-10-36 | 1,419.00 | 13,15,18,20,23 |
| | | 1800 | 132M | 89.5 | 80 | 230/460V | 26.2/13.1 | IE2 | H | 162 | 20MDM-3-10-18 | 1,638.00 | 13,15,18,20,23 |
| | | 1200 | 160M | 89.5 | 80 | 230/460V | 26.2/13.1 | IE2 | H | 221 | 20MDM-3-10-12 | 2,764.00 | 15,18,20,23 |
| 15 | 11 | 3600 | 160M | 91 | 86 | 230/460V | 35.2/17.6 | IE3 | N | 212 | 20MDM-3-15-36 | 1,978.00 | 15,18,20,23 |
| | | 1800 | 160M | 91 | 80 | 230/460V | 38/19 | IE2 | H | 234 | 20MDM-3-15-18 | 2,030.00 | 15,18,20,23 |
| | | 1200 | 160L | 90.2 | 82 | 230/460V | 37.4/18.7 | IE2 | H | 276 | 20MDM-3-15-12 | 3,281.00 | 15,18,20,23 |
| 20 | 15 | 3600 | 160M | 91 | 89 | 230/460V | 46.4/23.2 | IE3 | N | 227 | 20MDM-3-20-36 | 2,344.00 | 15,18,20,23 |
| | | 1800 | 160L | 91 | 80 | 230/460V | 51.8/25.9 | IE2 | H | 278 | 20MDM-3-20-18 | 2,437.00 | 15,18,20,23 |
| | | 1200 | 180L | 90.2 | 81 | 230/460V | 51.6/25.8 | IE2 | H | 375 | 20MDM-3-20-12 | 3,948.00 | 15,18,20,23 |
| 25 | 18.5 | 3600 | 160L | 91.7 | 90 | 230/460V | 56.2/28.1 | IE3 | N | 260 | 20MDM-3-25-36 | 2,827.00 | 15,18,20,23 |
| | | 1800 | 180M | 92.4 | 85 | 230/460V | 59.2/29.6 | IE2 | H | 373 | 20MDM-3-25-18 | 2,971.00 | 15,18,20,23 |
| | | 1200 | 200L | 92 | 77 | 230/460V | 66/33 | IE2 | H | 624 | 20MDM-3-25-12 | 6,371.00 | 16,18,20,23 |
| 30 | 22 | 3600 | 180M | 91.7 | 87 | 230/460V | 69.2/34.6 | IE3 | N | 345 | 20MDM-3-30-36 | 3,412.00 | 15,18,20,23 |
| | | 1800 | 180L | 92.4 | 86 | 230/460V | 69.4/34.7 | IE2 | H | 397 | 20MDM-3-30-18 | 3,702.00 | 15,18,20,23 |
| | | 1200 | 200L | 92.1 | 79 | 230/460V | 76/38 | IE2 | H | 648 | 20MDM-3-30-12 | 6,705.00 | 16,18,20,23 |
| 40 | 30 | 3600 | 200L | 92.4 | 90 | 230/460V | 90/45 | IE3 | N | 585 | 20MDM-3-40-36 | 7,930.00 | 16,18,20,23 |
| | | 1800 | 200L | 93.4 | 87 | 230/460V | 92/46 | IE2 | H | 628 | 20MDM-3-40-18 | 6,520.00 | 16,18,20,23 |
| | | 1200 | 225M | 93 | 81 | 230/460V | 100/50 | IE2 | H | 836 | 20MDM-3-40-12 | 8,668.00 | 16,18,20,23 |
| 50 | 37 | 3600 | 200L | 93 | 88 | 230/460V | 114/57 | IE3 | N | 624 | 20MDM-3-50-36 | 8,730.00 | 16,18,20,23 |
| | | 1800 | 225S | 93.7 | 87 | 230/460V | 114/57 | IE2 | H | 811 | 20MDM-3-50-18 | 8,356.00 | 16,18,20,23 |
| | | 1200 | 250M | 93 | 81 | 230/460V | 124/62 | IE2 | H | 1010 | 20MDM-3-50-12 | 10,854.00 | 16,18,20,23 |
| 60 | 45 | 3600 | 225M | 93.6 | 87 | 230/460V | 138/69 | IE3 | N | 838 | 20MDM-3-60-36 | 9,628.00 | 16,18,20,23 |
| | | 1800 | 225M | 93.9 | 87 | 230/460V | 138/69 | IE2 | H | 871 | 20MDM-3-60-18 | 9,479.00 | 16,18,20,23 |
| | | 1200 | 280S | 93.7 | 83 | 230/460V | 146/73 | IE2 | H | 1504 | 20MDM-3-60-12 | 14,710.00 | 16,18,20,23 |
| 75 | 55 | 3600 | 250M | 93.6 | 90 | 230/460V | 164/82 | IE3 | N | 1085 | 20MDM-3-75-36 | 12,488.00 | 16,18,20,23 |
| | | 1800 | 250M | 94.1 | 89 | 230/460V | 164/82 | IE2 | H | 1054 | 20MDM-3-75-18 | 10,577.00 | 16,18,20,23 |
| | | 1200 | 280M | 94.2 | 81 | 230/460V | 182/91 | IE2 | H | 1638 | 20MDM-3-75-12 | 15,740.00 | 16,18,20,23 |
| 100 | 75 | 3600 | 280S | 94.1 | 90 | 230/460V | 222/111 | IE3 | N | 1444 | 20MDM-3-100-36 | 13,955.00 | 16,18,20,23 |
| | | 1800 | 280S | 95 | 89 | 230/460V | 224/112 | IE2 | H | 1495 | 20MDM-3-100-18 | 13,909.00 | 16,18,20,23 |
| | | 1200 | 315S | 94.5 | 81 | 230/460V | 246/123 | IE2 | H | 2168 | 20MDM-3-100-12 | 21,662.00 | 16,18,20,23 |
| 125 | 90 | 3600 | 280M | 95 | 90 | 230/460V | 264/132 | IE3 | N | 1517 | 20MDM-3-125-36 | 16,999.00 | 16,18,20,23 |
| | | 1800 | 280M | 95.3 | 89 | 230/460V | 264/132 | IE2 | H | 1543 | 20MDM-3-125-18 | 15,015.00 | 16,18,20,23 |
| | | 1200 | 315M | 94.7 | 81 | 230/460V | 294/147 | IE2 | H | 2366 | 20MDM-3-125-12 | 24,085.00 | 16,18,20,23 |
| 150 | 110 | 1800 | 315M | 95 | 90 | 230/460V | 322/161 | IE2 | H | 1995 | 20MDM-3-150-18 | 21,345.00 | 16,18,20,23 |
| 220 | 160 | 1800 | 315M | 95.5 | 90 | 230/460V | 468/234 | IE2 | H | 2310 | 20MDM-3-220-18 | 29,706.00 | 16,18,20,23 |

Performance Data & Mounting Dimensions: 20M Series Pages 78-84, 40M Series Pages 77-84

ADVANCED CAPABILITIES

Metric IEC

Large Frame Metric IEC motors up to 6300 HP, Brake, Medium Voltage and more!

→ → → LEARN MORE pages 26-29





IEC Frame Metric Motors – 0.08-20 HP 3PH TEFC 50/60 Hz AC B34 Standard C-Face Motors

Applications: Designed to meet international standards as replacement motors for overseas applications and machinery such as pumps, conveyors, fans and more.

Features

- Inverter Duty Rated: 5:1CT & 10:1VT at 460V 60 Hz
- Service Factor: up to 1.2 at 460V 60 Hz
- Design: "N" or "H"
- Protection Degree: IP55
- Enclosure: TEFC
- High lock rotor torque
- VPI process applied for best electrical performance
- IEC132 frame and larger suitable for Y/Delta starting
- Electromagnetic compatibility standards: EN 50081-1(2) and EN 50082-1(2)
- Nameplate rated 230/460V 60 Hz and 380/400V 50 Hz
- Non-standard B34/1 C-Flange available upon request
- Oversized ball bearings on both ends for direct coupling
- Class "F" insulation
- Junction box equipped with glands
- F3 mounting position
- Drilled and tapped end shaft
- Drain plugs
- Bidirectional fan
- All motors provided with CE mark
- Warranty: 3-Years

| HP | kW | RPM | Frame | EFF | PF | Voltage | Full Load Amps | IEC Class | IEC Design | Net Weight | C-Face B34 Part Number | List Price | Notes ^(a) |
|------|------|------|-------|------|----|----------|----------------|-----------|------------|------------|------------------------|------------|----------------------|
| 0.08 | 0.06 | 1800 | 56 | 55 | 66 | 230/460V | 0.44/0.22 | IE1 | – | 5.9 | 40MCM-3-.08-18 | 220.00 | 13,15,17,19 |
| | | 3600 | 56 | 58 | 75 | 230/460V | 0.56/0.28 | IE1 | – | 6.6 | 40MCM-3-.12-36 | 227.00 | 13,15,17,19 |
| 0.12 | 0.09 | 1800 | 56 | 61 | 65 | 230/460V | 0.6/0.3 | IE1 | – | 6.4 | 40MCM-3-.12-18 | 227.00 | 13,15,17,19 |
| | | 3600 | 56 | 63 | 83 | 230/460V | 0.6/0.3 | IE1 | – | 7.5 | 40MCM-3-.17-36 | 231.00 | 13,15,17,19 |
| 0.17 | 0.12 | 1800 | 63 | 64 | 72 | 230/460V | 0.7/0.35 | IE1 | – | 7.9 | 40MCM-3-.17-18 | 235.00 | 13,15,17,19 |
| | | 3600 | 63 | 65 | 80 | 230/460V | 1/0.5 | IE1 | – | 7.9 | 40MCM-3-.25-36 | 237.00 | 13,15,17,19 |
| 0.25 | 0.18 | 1800 | 63 | 64 | 70 | 230/460V | 1.1/0.55 | IE1 | – | 9.3 | 40MCM-3-.25-18 | 243.00 | 13,15,17,19 |
| | | 1200 | 71 | 57 | 68 | 230/460V | 1.4/0.7 | IE1 | – | 10.8 | 40MCM-3-.25-12 | 275.00 | 13,15,17,19 |
| | | 3600 | 63 | 68 | 83 | 230/460V | 1.1/0.55 | IE1 | – | 9.3 | 40MCM-3-.33-36 | 250.00 | 13,15,17,19 |
| 0.33 | 0.25 | 1800 | 71 | 66 | 68 | 230/460V | 1.4/0.7 | IE1 | – | 10.6 | 40MCM-3-.33-18 | 250.00 | 13,15,17,19 |
| | | 1200 | 71 | 55 | 70 | 230/460V | 1.8/0.9 | IE1 | – | 12.8 | 40MCM-3-.33-12 | 291.00 | 13,15,17,19 |
| | | 3600 | 71 | 71 | 68 | 230/460V | 1.8/0.9 | IE1 | – | 11.7 | 40MCM-3-.50-36 | 267.00 | 13,15,17,19 |
| 0.5 | 0.37 | 1800 | 71 | 68 | 68 | 230/460V | 2/1 | IE1 | – | 13 | 40MCM-3-.50-18 | 267.00 | 13,15,17,19 |
| | | 1200 | 80 | 64 | 64 | 230/460V | 2.4/1.2 | IE1 | – | 16 | 40MCM-3-.50-12 | 352.00 | 13,15,17,19 |
| | | 3600 | 71 | 75 | 85 | 230/460V | 2.4/1.2 | IE1 | – | 13.2 | 40MCM-3-.75-36 | 291.00 | 13,15,17,19 |
| 0.75 | 0.55 | 1800 | 80 | 70 | 72 | 230/460V | 3/1.5 | IE1 | – | 16.5 | 40MCM-3-.75-18 | 332.00 | 13,15,17,19 |
| | | 1200 | 80 | 67 | 72 | 230/460V | 3.2/1.6 | IE1 | – | 19 | 40MCM-3-.75-12 | 396.00 | 13,15,17,19 |
| | | 3600 | 80 | 74 | 80 | 230/460V | 3.2/1.6 | IE1 | – | 17.2 | 40MCM-3-1-36 | 364.00 | 13,15,17,19 |
| 1 | 0.75 | 1800 | 80 | 75 | 73 | 230/460V | 3.4/1.7 | IE1 | – | 19.4 | 40MCM-3-1-18 | 339.00 | 13,15,17,19 |
| | | 1200 | 90S | 80 | 65 | 230/460V | 3.6/1.8 | IE2 | H | 36.4 | 20MCM-3-1-12 | 716.00 | 13,14,15,17,19 |
| | | 3600 | 80 | 77 | 84 | 230/460V | 4.4/2.2 | IE1 | – | 20.1 | 40MCM-3-1.5-36 | 395.00 | 13,15,17,19 |
| 1.5 | 1.1 | 1800 | 90S | 84 | 72 | 230/460V | 4.6/2.3 | IE2 | H | 36 | 20MCM-3-1.5-18 | 690.00 | 13,14,15,17,19 |
| | | 3600 | 90S | 85.5 | 79 | 230/460V | 5.6/2.8 | IE3 | N | 31 | 20MCM-3-2-36 | 671.00 | 13,14,15,17,19 |
| | | 1800 | 90L | 84 | 74 | 230/460V | 6/3 | IE2 | H | 42 | 20MCM-3-2-18 | 731.00 | 13,14,15,17,19 |

Performance Data & Mounting Dimensions: 20M Series Pages 78-84, 40M Series Pages 77-84

Premium Efficient Motors

No additional charge for B34/1 (i.e. non-standard reduction B14 - C-Face - flange motor with feet). Add /1 suffix to standard B34 part number when ordering. Ex: 20MCM-3-2-18/1. Motors can be modified from Footed to C-Face or D-Flange and vice versa.

Motors are dual rated for 50 Hz and 60 Hz: 380/400V 50 Hz and 230/460V 60 Hz

^(a) See notes on inside back cover.

IEC Frame Metric, 3-Phase, AC B34 Standard C-Face Motors

| HP | kW | RPM | Frame | EFF | PF | Voltage | Full Load Amps | IEC Class | IEC Design | Net Weight | C-Face B34 Part Number | List Price | Notes ^(a) |
|-----|-----|------|-------|------|----|----------|----------------|-----------|------------|------------|------------------------|------------|----------------------|
| 3 | 2.2 | 3600 | 90L | 86.5 | 80 | 230/460V | 8/4 | IE3 | N | 38 | 20MCM-3-3-36 | 832.00 | 13,14,15,17,19 |
| | | 1800 | 100L | 87.5 | 79 | 230/460V | 8/4 | IE2 | H | 56 | 20MCM-3-3-18 | 823.00 | 13,14,15,17,19 |
| | | 1200 | 112M | 87.5 | 72 | 230/460V | 8.8/4.4 | IE2 | H | 71 | 20MCM-3-3-12 | 1,237.00 | 13,14,15,17,19 |
| 4 | 3 | 3600 | 100L | 88.5 | 81 | 230/460V | 10.6/5.3 | IE3 | N | 59 | 20MCM-3-4-36 | 921.00 | 13,14,15,17,19 |
| | | 1800 | 100L | 87.5 | 74 | 230/460V | 11.6/5.8 | IE2 | H | 66 | 20MCM-3-4-18 | 947.00 | 13,14,15,17,19 |
| | | 1200 | 132S | 87.5 | 76 | 230/460V | 11.4/5.7 | IE2 | H | 119 | 20MCM-3-4-12 | 1,633.00 | 13,15,18,20,23 |
| 5.5 | 4 | 3600 | 112M | 89 | 85 | 230/460V | 13.2/6.6 | IE3 | N | 74 | 20MCM-3-5-36 | 1,012.00 | 13,14,15,17,19 |
| | | 1800 | 112M | 87.5 | 78 | 230/460V | 14.8/7.4 | IE2 | H | 78 | 20MCM-3-5-18 | 1,010.00 | 13,14,15,17,19 |
| | | 1200 | 132M | 87.5 | 76 | 230/460V | 15/7.5 | IE2 | H | 146 | 20MCM-3-5-12 | 1,643.00 | 13,15,18,20,23 |
| 7.5 | 5.5 | 3600 | 132S | 89.5 | 88 | 230/460V | 17.6/8.8 | IE3 | N | 132 | 20MCM-3-7.5-36 | 1,254.00 | 13,15,18,20,23 |
| | | 1800 | 132S | 89.5 | 79 | 230/460V | 19.6/9.8 | IE2 | H | 156 | 20MCM-3-7.5-18 | 1,426.00 | 13,15,18,20,23 |
| | | 1200 | 132M | 89.5 | 77 | 230/460V | 22.4/11.2 | IE2 | H | 159 | 20MCM-3-7.5-12 | 2,668.00 | 13,15,18,20,23 |
| 10 | 7.5 | 3600 | 132S | 90.2 | 91 | 230/460V | 23/11.5 | IE3 | N | 156 | 20MCM-3-10-36 | 1,419.00 | 13,15,18,20,23 |
| | | 1800 | 132M | 89.5 | 80 | 230/460V | 26.2/13.1 | IE2 | H | 162 | 20MCM-3-10-18 | 1,638.00 | 13,15,18,20,23 |
| | | 1200 | 160M | 89.5 | 80 | 230/460V | 26.2/13.1 | IE2 | H | 221 | 20MCM-3-10-12 | 2,764.00 | 15,18,20,23 |
| 15 | 11 | 3600 | 160M | 91 | 86 | 230/460V | 35.2/17.6 | IE3 | N | 212 | 20MCM-3-15-36 | 1,978.00 | 15,18,20,23 |
| | | 1800 | 160M | 91 | 80 | 230/460V | 38/19 | IE2 | H | 234 | 20MCM-3-15-18 | 2,030.00 | 15,18,20,23 |
| | | 1200 | 160L | 90.2 | 82 | 230/460V | 37.4/18.7 | IE2 | H | 276 | 20MCM-3-15-12 | 3,281.00 | 15,18,20,23 |
| 20 | 15 | 3600 | 160M | 91 | 89 | 230/460V | 46.4/23.2 | IE3 | N | 227 | 20MCM-3-20-36 | 2,344.00 | 15,18,20,23 |
| | | 1800 | 160L | 91 | 80 | 230/460V | 51.8/25.9 | IE2 | H | 278 | 20MCM-3-20-18 | 2,437.00 | 15,18,20,23 |

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Premium Efficient Motors

No additional charge for B34/1 (i.e. non-standard reduction B14 - C-Face - flange motor with feet). Add /1 suffix to standard B34 part number when ordering. Ex: 20MCM-3-2-18/1. Motors can be modified from Footed to C-Face or D-Flange and vice versa.

Motors are dual rated for 50 Hz and 60 Hz: 380/400V 50 Hz and 230/460V 60 Hz

^(a) See notes on inside back cover.

ADVANCED CAPABILITIES Metric IEC

Large Frame Metric IEC motors up to 6300 HP,
Brake, Medium Voltage and more!

→ → → LEARN MORE pages 26-29





ADVANCED CAPABILITIES

Low Voltage Metric IEC

Special Order Metric IEC Motors

IEC Frame Metric ATEX Certified Explosion Proof – 1-220 HP 3PH TEFC 50/60 Hz IEC AC Foot Mounted and D-Flange Motors



Applications: Designed for the hazardous applications found in the petroleum, natural gas, chemical and industrial paint industries where explosive mixtures of combustible gas, vapor or dust, classified as Group II, Temperature Class T5 or lower, may exist. Motors can be operated in Zone 1 & 2.

Features

- ATEX Certified
- Inverter Duty Rated
- Vacuum pressure impregnation (VPI) for the most dependable failsafe electrical performance
- Protection Degree: IP55
- Enclosure: TEFC F3 rigid cast iron frame
- Duty S1
- Voltage 400V and more available
- Class "F" insulation
- Ambient temperature from 20°C to +40°C (Class T5)
- Increased safety of terminal box
- Terminal box with 1 cable inlet
- Cable inlet Ant. terminals adapted for cable with copper wires
- 3 terminals for direct on-line starting
- According to standards: PN-EN 60034-1, PN-EN 60079-0, PN-EN 60079-1, PN-EN 60079-7
- Classified to Category 2G according to Directive 94/9/WE (ATEX)
- Warranty: 3-Years

**Non-stock item available by special order.
** For Export Market ****

IEC Large Frame Low Voltage Metric Motors – 220-1500 HP 3PH TEFC 50/60 Hz AC B3 Foot Mounted Motors



Applications: Designed to meet international standards as replacement motors for overseas applications and machinery such as pumps, conveyors, fans and more.

Features

- Inverter Duty Rated
- Design: "N" or "H"
- Protection Degree: IP55 or better
- Enclosure: TEFC
- High efficiency motors
- Vacuum pressure impregnation (VPI) for the most dependable failsafe electrical performance
- Electromagnetic compatibility standards: EN 50081-1(2) and EN 50082-1(2)
- Nameplate rated 380/400V 50 Hz or 460V 60 Hz
- Reduced vibration and noise level
- Class "F" insulation
- Oversized ball bearings on both ends for direct coupling
- Junction box equipped with glands
- F3 mounting position
- Drilled and tapped end shaft
- Drain plugs
- Bidirectional fan
- D-Flange available for most sizes
- All motors provided with CE mark
- Warranty: 12-Months from Installation, 18-Months from Purchase Date

Non-stock item available by special order.

Additional Special Order Metric Lines



- IEC Frame Medium Voltage Motors, 220-6300 HP, **Pages 28-29**
- IEC Frame Metric Brake Motors, 1-220 HP
- IEC Frame Metric 1-Phase Phase Motors, 0.50-3 HP, **For Export Market**
- IEC Frame Metric 3-Phase Motors with Foreign Cooling, 0.75-25 HP, **For Export Market**
- IEC Frame Metric Increased Safety Explosion Proof Motors, 1-30 HP, **For Export Market**
- IEC Frame Metric Marine Duty Motors, 0.25-30 HP, **For Ships and Export Market**

Some inventory available from stock. Please call 855-463-5358 for price, availability and/or special order.



ADVANCED CAPABILITIES

Medium Voltage

Special Order NEMA, Above NEMA and Metric IEC Motors

NEMA and Above NEMA Medium Voltage – 150-2500 HP

3PH TEFC 60 Hz NEMA AC Foot Mounted Motors

Applications: Ideal for applications requiring a NEMA high efficiency, reliability and low cost of ownership such as waste water treatment plants, cement and chemical plants, refineries and more.

Features

- 150 to 2500 HP, N5009-N8810
- 3600, 1800, 1200, 900 and 750 RPM
- TEFC cast iron fin frame
- Extra mounting holes for added versatility
- Multiple Voltages available including 2300V, 4160V, 6600V and 11000V
- Vacuum pressure impregnation (VPI) for the most dependable failsafe electrical performance
- Class F insulation
- Temperature rise Class B @ 1.0 service factor, Class F @ 1.15 service factor
- Big cast iron or steel plate junction box
- Quieter operation < 85 dBA
- Continuous Duty
- 40°C ambient temperature
- 3300' altitude
- Warranty: 12-Months from Installation, 18-Months from Purchase Date

Non-stock item available by special order.

IEC Frame Metric Medium Voltage – 220-6500 HP

3PH TEFC 50/60 Hz IEC AC Foot Mounted Motors

Applications: Ideal for applications requiring Metric IEC high efficiency, reliability and low cost of ownership such as waste water treatment plants, cement and chemical plants, refineries and more.

Features

- 220 to 6300 HP, IEC315-710
- 3000/3600, 1500/1800, 1000/1200, 750/900 and 600/750 RPM
- TEFC welded or cast iron frame
- Extra mounting holes for added versatility
- Multiple Voltages available up to 11kV
- Vacuum pressure impregnation (VPI) for the most dependable failsafe electrical performance
- Class F insulation
- Low Vibration Level < 1.8 mm/s RMS
- Thermal winding protection 6 x RTD's (2 per phase)
- Thermal bearing protection 2 x RTD's (1 per bearing)
- Continuous Duty
- -20°C up to +40°C ambient temperature
- 3300' altitude
- Warranty: 12-Months from Installation, 18-Months from Purchase Date



Non-stock item available by special order.



JM Close Coupled Pump – 1-60 HP

3PH TEFC 60 Hz NEMA AC C-Face Footed Motors

Applications: Designed for continuous duty on close coupled pumps with NEMA JM mounting dimensions which are ideal for fluid circulation and transfer applications ranging from treatment plants to swimming pools.

Features

- Inverter Duty Rated: 20:1VT
- Service Factor: up to 1.4
- Design: "B" or "A"
- Protection Degree: IP55
- Enclosure: TEFC
- VPI process applied for best electrical performance
- High lock rotor torque
- Dual rated for 190/380V 50 Hz
- Oversized bearings on both ends
- Mechanically locked on shaft
- Class "F" insulation with Class "B" rise
- Rigid cast iron frame
- Steel fan guard
- F1 mounting position
- Drain plugs
- Designed for horizontal and vertical application
- CSA-US certified, DOE approved and CE marked
- 20J Series motors are NEMA Premium[®] marked
- Warranty: 3-Years

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | JM Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|----|--------------|----------------|----------------|-------------|------------|----------------|------------|----------------------|
| 1 | 1800 | 143JM | 85.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.4 | B | 53 | 20JM-3-1-18 | 592.00 | 4,15,22 |
| | 3600 | 143JM | 84.5 | 78 | 208-230/460V | 4.6-4.2/2.1 | 1.4 | B | 56 | 20JM-3-1.5-36 | 601.00 | 4,15,22 |
| 1.5 | 1800 | 145JM | 87 | 79 | 208-230/460V | 4.4-4/2 | 1.4 | B | 57 | 20JM-3-1.5-18 | 605.00 | 4,15,22 |
| | 3600 | 145JM | 86 | 82 | 208-230/460V | 6-5.4/2.7 | 1.4 | B | 57 | 20JM-3-2-36 | 648.00 | 4,15,22 |
| 2 | 1800 | 145JM | 86.5 | 83 | 208-230/460V | 5.8-5.2/2.6 | 1.4 | B | 59 | 20JM-3-2-18 | 710.00 | 4,15,22 |
| | 3600 | 182JM | 86.5 | 82 | 208-230/460V | 8.8-8/4 | 1.4 | B | 76 | 20JM-3-3-36 | 807.00 | 4,15,22 |
| 3 | 1800 | 182JM | 89.5 | 75 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | A | 102 | 20JM-3-3-18 | 818.00 | 4,15,22 |
| | 3600 | 184JM | 89 | 85 | 208-230/460V | 13.7-12.4/6.2 | 1.4 | A | 102 | 20JM-3-5-36 | 998.00 | 4,15,22 |
| 5 | 1800 | 184JM | 89.5 | 78 | 208-230/460V | 14.8-13.4/6.7 | 1.3 | A | 108 | 20JM-3-5-18 | 977.00 | 4,15,22 |
| | 3600 | 213JM | 90 | 92 | 208-230/460V | 18.8-17/8.5 | 1.3 | A | 159 | 20JM-3-7.5-36 | 1,181.00 | 4,15,23 |
| 7.5 | 1800 | 213JM | 91.7 | 82 | 208-230/460V | 20.6-18.6/9.3 | 1.3 | A | 167 | 20JM-3-7.5-18 | 1,291.00 | 4,15,23 |
| | 3600 | 215JM | 90.2 | 91 | 208-230/460V | 25.2-22.8/11.4 | 1.3 | A | 173 | 20JM-3-10-36 | 1,373.00 | 4,15,23 |
| 10 | 1800 | 215JM | 91.7 | 82 | 208-230/460V | 27.6-25/12.5 | 1.3 | A | 185 | 20JM-3-10-18 | 1,521.00 | 4,15,23 |
| | 3600 | 254JM | 91.7 | 87 | 208-230/460V | 38.9-35.2/17.6 | 1.3 | B | 258 | 20JM-3-15-36 | 1,868.00 | 4,15,23 |
| 15 | 1800 | 254JM | 92.4 | 88 | 208-230/460V | 38.3-34.6/17.3 | 1.3 | A | 301 | 20JM-3-15-18 | 1,919.00 | 4,15,23 |
| | 3600 | 256JM | 92 | 89 | 208-230/460V | 50.6-45.8/22.9 | 1.3 | B | 306 | 20JM-3-20-36 | 2,298.00 | 4,15,23 |
| 20 | 1800 | 256JM | 93 | 88 | 208-230/460V | 50.6-45.8/22.9 | 1.2 | A | 390 | 20JM-3-20-18 | 2,314.00 | 4,15,23 |
| | 3600 | 284JM | 92.4 | 86 | 208-230/460V | 65.2-59/29.5 | 1.2 | A | 348 | 20JM-3-25-36 | 2,848.00 | 4,15,23 |
| 25 | 1800 | 284JM | 93.6 | 82 | 208-230/460V | 67.5-61/30.5 | 1.2 | A | 397 | 20JM-3-25-18 | 2,816.00 | 4,15,23 |
| | 3600 | 286JM | 91.7 | 87 | 208-230/460V | 77.8-70.4/35.2 | 1.2 | A | 390 | 20JM-3-30-36 | 3,367.00 | 4,9,15,23 |
| 30 | 1800 | 286JM | 93.6 | 80 | 208-230/460V | 82.9-75/37.5 | 1.2 | A | 441 | 20JM-3-30-18 | 3,575.00 | 4,9,15,23 |
| | 3600 | 324JM | 93 | 92 | 208-230/460V | 97.3-88/44 | 1.2 | B | 608 | 20JM-3-40-36 | 6,200.00 | 9,13,16,23 |
| 40 | 1800 | 324JM | 94.1 | 88 | 208-230/460V | 99.5-90/45 | 1.3 | B | 690 | 20JM-3-40-18 | 6,705.00 | 9,13,16,23 |
| | 3600 | 326JM | 93 | 92 | 208-230/460V | 121.6-110/55 | 1.2 | B | 655 | 20JM-3-50-36 | 6,522.00 | 9,13,16,23 |
| 50 | 1800 | 326JM | 94.5 | 88 | 208-230/460V | 123.8-112/56 | 1.3 | B | 769 | 20JM-3-50-18 | 7,188.00 | 9,13,16,23 |
| | 3600 | 364JM | 93.6 | 92 | 208-230/460V | 143.8-130/65 | 1.2 | B | 860 | 20JM-3-60-36 | 8,468.00 | 9,13,16,23 |
| 60 | 1800 | 364JM | 95 | 88 | 208-230/460V | 148.2-134/67 | 1.2 | B | 926 | 20JM-3-60-18 | 8,512.00 | 9,13,16,23 |

Performance Data & Mounting Dimensions: 20J Series Pages 85-87

Premium Efficient Motors

^(a) See notes on inside back cover.



JP Close Coupled Pump – 1-60 HP

3PH TEFC 60 Hz NEMA AC C-Face Footed Motors

Applications: Designed for continuous duty on close coupled pumps with NEMA JP mounting dimensions which are ideal for fluid circulation and transfer applications ranging from treatment plants to swimming pools.

Features

- Inverter Duty Rated: 20:1VT
- Service Factor: up to 1.4
- Design: "B" or "A"
- Protection Degree: IP55
- Enclosure: TEFC
- VPI process applied for best electrical performance
- Oversized bearings on both ends
- Mechanically locked on shaft
- Class "F" insulation with Class "B" rise
- Rigid cast iron frame and steel fan guard
- Designed for horizontal and vertical application
- CSA-US certified, DOE approved and CE marked
- 20J Series motors are NEMA Premium® marked
- Warranty: 3-Years

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | JP Part Number | List Price | Notes (a) |
|-----|------|-------|------|----|--------------|----------------|----------------|-------------|------------|----------------|------------|------------|
| 1 | 1800 | 143JP | 85.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.4 | B | 53 | 20JP-3-1-18 | 610.00 | 4,15,22 |
| 1.5 | 3600 | 143JP | 84.5 | 78 | 208-230/460V | 4.6-4.2/2.1 | 1.4 | B | 56 | 20JP-3-1.5-36 | 619.00 | 4,15,22 |
| | 3600 | 143JP | 82.5 | 87 | 208-230/460V | 4.2-4/2 | 1.3 | B | 51 | 40JP-3-1.5-36 | 454.00 | 4,15,22 |
| | 1800 | 145JP | 87 | 79 | 208-230/460V | 4.4-4/2 | 1.4 | B | 57 | 20JP-3-1.5-18 | 667.00 | 4,15,22 |
| | 1800 | 145JP | 84 | 79 | 208-230/460V | 4.6-4.2/2.1 | 1.4 | B | 54 | 40JP-3-1.5-18 | 470.00 | 4,15,22 |
| 2 | 3600 | 145JP | 86 | 82 | 208-230/460V | 6-5.4/2.7 | 1.4 | B | 57 | 20JP-3-2-36 | 668.00 | 4,15,22 |
| | 3600 | 145JP | 84 | 87 | 208-230/460V | 5.3-5.2/2.6 | 1.4 | B | 57 | 40JP-3-2-36 | 501.00 | 4,15,22 |
| | 1800 | 145JP | 86.5 | 83 | 208-230/460V | 5.8-5.2/2.6 | 1.4 | B | 59 | 20JP-3-2-18 | 731.00 | 4,15,22 |
| | 1800 | 145JP | 84 | 82 | 208-230/460V | 5.8-5.4/2.7 | 1.4 | B | 56 | 40JP-3-2-18 | 523.00 | 4,15,22 |
| 3 | 3600 | 182JP | 86.5 | 82 | 208-230/460V | 8.8-8/4 | 1.4 | B | 76 | 20JP-3-3-36 | 832.00 | 4,15,22 |
| | 3600 | 182JP | 85.5 | 86 | 208-230/460V | 8.9-7.6/3.8 | 1.4 | B | 75 | 40JP-3-3-36 | 623.00 | 4,15,22 |
| | 1800 | 182JP | 89.5 | 75 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | A | 102 | 20JP-3-3-18 | 843.00 | 4,15,22 |
| 5 | 3600 | 184JP | 89 | 85 | 208-230/460V | 13.7-12.4/6.2 | 1.4 | A | 102 | 20JP-3-5-36 | 1,028.00 | 4,15,22 |
| | 1800 | 184JP | 89.5 | 78 | 208-230/460V | 14.8-13.4/6.7 | 1.3 | A | 108 | 20JP-3-5-18 | 1,007.00 | 4,15,22 |
| | 1800 | 184JP | 87.5 | 86 | 208-230/460V | 13.8-12.4/6.2 | 1.3 | B | 103 | 40JP-3-5-18 | 708.00 | 4,15,22 |
| 7.5 | 3600 | 213JP | 90 | 92 | 208-230/460V | 18.8-17/8.5 | 1.3 | A | 159 | 20JP-3-7.5-36 | 1,216.00 | 4,15,23 |
| | 1800 | 213JP | 91.7 | 82 | 208-230/460V | 20.6-18.6/9.3 | 1.3 | A | 167 | 20JP-3-7.5-18 | 1,330.00 | 4,15,23 |
| 10 | 3600 | 215JP | 90.2 | 91 | 208-230/460V | 25.2-22.8/11.4 | 1.3 | A | 173 | 20JP-3-10-36 | 1,414.00 | 4,15,23 |
| | 1800 | 215JP | 91.7 | 82 | 208-230/460V | 27.6-25/12.5 | 1.3 | A | 185 | 20JP-3-10-18 | 1,566.00 | 4,15,23 |
| 15 | 3600 | 254JP | 91.7 | 87 | 208-230/460V | 38.9-35.2/17.6 | 1.3 | B | 258 | 20JP-3-15-36 | 1,924.00 | 4,15,23 |
| | 1800 | 254JP | 92.4 | 88 | 208-230/460V | 38.3-34.6/17.3 | 1.3 | A | 301 | 20JP-3-15-18 | 1,977.00 | 4,15,23 |
| 20 | 3600 | 256JP | 92 | 89 | 208-230/460V | 50.6-45.8/22.9 | 1.3 | B | 306 | 20JP-3-20-36 | 2,367.00 | 4,15,23 |
| | 1800 | 256JP | 93 | 88 | 208-230/460V | 50.6-45.8/22.9 | 1.2 | A | 390 | 20JP-3-20-18 | 2,383.00 | 4,15,23 |
| 25 | 3600 | 284JP | 92.4 | 86 | 208-230/460V | 65.2-59/29.5 | 1.2 | A | 348 | 20JP-3-25-36 | 2,933.00 | 4,15,23 |
| | 3600 | 284JP | 91 | 87 | 208-230/460V | 65.2-59/29.5 | 1.15 | B | 335 | 40JP-3-25-36 | 2,152.00 | 4,15,23 |
| | 1800 | 284JP | 93.6 | 82 | 208-230/460V | 67.5-61/30.5 | 1.2 | A | 397 | 20JP-3-25-18 | 2,900.00 | 4,15,23 |
| 30 | 3600 | 286JP | 91.7 | 87 | 208-230/460V | 77.8-70.4/35.2 | 1.2 | A | 390 | 20JP-3-30-36 | 3,468.00 | 4,9,15,23 |
| | 3600 | 286JP | 91 | 88 | 208-230/460V | 76.1-70.2/35.1 | 1.15 | B | 388 | 40JP-3-30-36 | 2,549.00 | 4,9,15,23 |
| | 1800 | 286JP | 93.6 | 80 | 208-230/460V | 82.9-75/37.5 | 1.2 | A | 441 | 20JP-3-30-18 | 3,683.00 | 4,9,15,23 |
| 40 | 3600 | 324JP | 93 | 92 | 208-230/460V | 97.3-88/44 | 1.2 | B | 608 | 20JP-3-40-36 | 6,199.00 | 9,13,16,23 |
| | 1800 | 324JP | 94.1 | 88 | 208-230/460V | 99.5-90/45 | 1.3 | B | 690 | 20JP-3-40-18 | 6,705.00 | 9,13,16,23 |
| 50 | 3600 | 326JP | 93 | 92 | 208-230/460V | 121.6-110/55 | 1.2 | B | 655 | 20JP-3-50-36 | 6,524.00 | 9,13,16,23 |
| | 1800 | 326JP | 94.5 | 88 | 208-230/460V | 123.8-112/56 | 1.3 | B | 769 | 20JP-3-50-18 | 7,190.00 | 9,13,16,23 |
| 60 | 3600 | 364JP | 93.6 | 92 | 208-230/460V | 143.8-130/65 | 1.2 | B | 860 | 20JP-3-60-36 | 8,467.00 | 9,13,16,23 |
| | 1800 | 364JP | 95 | 88 | 208-230/460V | 148.2-134/67 | 1.2 | B | 926 | 20JP-3-60-18 | 8,512.00 | 9,13,16,23 |

Performance Data & Mounting Dimensions: 20J Series Pages 85-87, 40J Series Page 88

Premium Efficient Motors

Discontinued motors. Existing inventory while supplies last.

Non-stock item may be available in limited supply or by special order. Contact Elektrim at 855-Go-Elektrim or support@elektrimmotors.com for details.

(a) See notes on inside back cover.



TEFC JM/JP Motors for ODP Replacement – 1-30 HP 3PH TEFC 60 Hz NEMA AC C-Face Footed Motors

Applications: TEFC NEMA JM/JP motors designed to replace ODP motors in continuous duty close coupled pumps fluid circulation and transfer applications ranging from treatment plants to swimming pools.

Features

- Inverter Duty Rated
- Design: "B"
- Protection Degree: IP55
- Enclosure: TEFC
- VPI process applied for best electrical performance
- Oversized bearings on both ends
- Mechanically locked on shaft
- Class "F" insulation
- Rigid cast iron frame
- Steel fan guard
- F1 mounting position
- Drain plugs
- Designed for horizontal and vertical application
- CSA-US certified and CE marked
- Warranty: 3-Years

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | NEMA Design | Net Weight | JM Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|----|----------|----------------|-------------|------------|------------------|------------|----------------------|
| 1.5 | 1800 | 143JM | 84.0 | 86 | 230/460V | 3.8/1.9 | B | 57 | 20JM-3-1.5-18/PR | 672.00 | 4,15,22 |
| 2 | 3600 | 143JM | 84.0 | 84 | 230/460V | 5.4/2.7 | B | 57 | 20JM-3-2-36/PR | 681.00 | 4,15,22 |
| | 1800 | 145JM | 84.0 | 88 | 230/460V | 5/2.5 | B | 59 | 20JM-3-2-18/PR | 685.00 | 4,15,22 |
| 3 | 3600 | 145JM | 85.5 | 89 | 230/460V | 7.4/3.7 | B | 76 | 20JM-3-3-36/PR | 728.00 | 4,15,22 |
| 5 | 1800 | 182JM | 87.5 | 84 | 230/460V | 12.8/6.4 | B | 108 | 20JM-3-5-18/PR | 898.00 | 4,15,22 |
| 7.5 | 3600 | 184JM | 88.5 | 89 | 230/460V | 17.8/8.9 | B | 159 | 20JM-3-7.5-36/PR | 1,078.00 | 4,15,23 |
| 10 | 3600 | 213JM | 89.5 | 93 | 230/460V | 22.4/11.2 | B | 173 | 20JM-3-10-36/PR | 1,261.00 | 4,15,23 |
| | 1800 | 213JM | 89.5 | 88 | 230/460V | 23.8/11.9 | B | 185 | 20JM-3-10-18/PR | 1,371.00 | 4,15,23 |
| 15 | 3600 | 215JM | 90.2 | 95 | 230/460V | 32.8/16.4 | B | 258 | 20JM-3-15-36/PR | 1,453.00 | 4,15,23 |
| 20 | 3600 | 254JM | 90.2 | 88 | 230/460V | 47.2/23.6 | B | 306 | 20JM-3-20-36/PR | 1,948.00 | 4,15,23 |
| | 1800 | 254JM | 91.0 | 92 | 230/460V | 43.8/22.4 | B | 390 | 20JM-3-20-18/PR | 1,999.00 | 4,15,23 |
| 25 | 3600 | 256JM | 91.0 | 90 | 230/460V | 57.2/28.6 | B | 348 | 20JM-3-25-36/PR | 2,378.00 | 4,15,23 |
| | 1800 | 256JM | 92.4 | 91 | 230/460V | 55.6/77.8 | B | 397 | 20JM-3-25-18/PR | 2,394.00 | 4,15,23 |
| 30 | 3600 | 284JM | 91.7 | 89 | 230/460V | 68.8/34.4 | B | 390 | 20JM-3-30-36/PR | 2,928.00 | 4,9,15,23 |

Performance Data & Mounting Dimensions: 20J Series Pages 85-87

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | NEMA Design | Net Weight | JP Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|----|----------|----------------|-------------|------------|------------------|------------|----------------------|
| 1.5 | 1800 | 143JP | 84.0 | 86 | 230/460V | 3.8/1.9 | B | 57 | 20JP-3-1.5-18/PR | 690.00 | 4,15,22 |
| 2 | 3600 | 143JP | 84.0 | 84 | 230/460V | 5.4/2.7 | B | 57 | 20JP-3-2-36/PR | 699.00 | 4,15,22 |
| | 1800 | 145JP | 84.0 | 88 | 230/460V | 5/2.5 | B | 59 | 20JP-3-2-18/PR | 747.00 | 4,15,22 |
| 3 | 3600 | 145JP | 85.5 | 89 | 230/460V | 7.4/3.7 | B | 76 | 20JP-3-3-36/PR | 748.00 | 4,15,22 |
| 5 | 1800 | 182JP | 87.5 | 84 | 230/460V | 12.8/6.4 | B | 108 | 20JP-3-5-18/PR | 923.00 | 4,15,22 |
| 7.5 | 3600 | 184JP | 88.5 | 89 | 230/460V | 17.8/8.9 | B | 159 | 20JP-3-7.5-36/PR | 1,108.00 | 4,15,23 |
| 10 | 3600 | 213JP | 89.5 | 93 | 230/460V | 22.4/11.2 | B | 173 | 20JP-3-10-36/PR | 1,296.00 | 4,15,23 |
| | 1800 | 213JP | 89.5 | 88 | 230/460V | 23.8/11.9 | B | 185 | 20JP-3-10-18/PR | 1,410.00 | 4,15,23 |
| 15 | 3600 | 215JP | 90.2 | 95 | 230/460V | 32.8/16.4 | B | 258 | 20JP-3-15-36/PR | 1,494.00 | 4,15,23 |
| 20 | 3600 | 254JP | 90.2 | 88 | 230/460V | 47.2/23.6 | B | 306 | 20JP-3-20-36/PR | 2,004.00 | 4,15,23 |
| | 1800 | 254JP | 91.0 | 92 | 230/460V | 43.8/22.4 | B | 390 | 20JP-3-20-18/PR | 2,057.00 | 4,15,23 |
| 25 | 3600 | 256JP | 91.0 | 90 | 230/460V | 57.2/28.6 | B | 348 | 20JP-3-25-36/PR | 2,447.00 | 4,15,23 |
| | 1800 | 256JP | 92.4 | 91 | 230/460V | 55.6/77.8 | B | 397 | 20JP-3-25-18/PR | 2,463.00 | 4,15,23 |
| 30 | 3600 | 284JP | 91.7 | 89 | 230/460V | 68.8/34.4 | B | 390 | 20JP-3-30-36/PR | 3,013.00 | 4,9,15,23 |

Performance Data & Mounting Dimensions: 20J Series Pages 85-87

^(a) See notes on inside back cover.



Design D Oil Well Pump – 3-100 HP

3PH TEFC 60 Hz NEMA AC Foot Mounted Motors

Applications: Designed with greater versatility and added benefit for pump jack and other oil field applications requiring a high slip.

Features

- Service Factor: 1.15
- Design: High Torque "D" (5-8% Slip)
- Protection Degree: IP55
- Enclosure: TEFC
- VPI process applied for best electrical performance
- Corrosion resistant epoxy coated
- F2 mounting position (convertible to F1)
- Double delta/delta connection (12 leads)
- Rigid cast iron construction and junction box
- Steel fan guard
- Oversized regreaseable bearings on both ends
- Double drilled feet
- Drainage holes at motor's lowest point
- Grounding terminal inside junction box and on frame
- PTC thermistors in windings
- Stainless steel nameplate with connection diagram
- CSA-US approved and CE marked
- Warranty: 3-Years

34N Series formerly branded as Elektrimax.
See page 1 for details.

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|----|--------------|-------------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 3 | 1200 | 213T | 80.3 | 69 | 208-230/460V | 11.1-10/5 | 1.15 | D | 179 | 34NFM-3-3-12 | 898.00 | 25 |
| 5 | 1200 | 215T | 80.8 | 71 | 208-230/460V | 17.9-16.2/8.1 | 1.15 | D | 205 | 34NFM-3-5-12 | 1,097.00 | 25 |
| 7.5 | 1200 | 254T | 79.1 | 74 | 208-230/460V | 26.1-23.6/11.8 | 1.15 | D | 342 | 34NFM-3-7.5-12 | 1,543.00 | 25 |
| 10 | 1200 | 256T | 81.4 | 74 | 208-230/460V | 34.3-31/15.5 | 1.15 | D | 368 | 34NFM-3-10-12 | 1,767.00 | 25 |
| 15 | 1200 | 284T | 84.7 | 79 | 208-230/460V | 45.3-41/20.5 | 1.15 | D | 488 | 34NFM-3-15-12 | 2,377.00 | 25 |
| 20 | 1200 | 286T | 84.6 | 81 | 208-230/460V | 60.6-54.8/27.4 | 1.15 | D | 518 | 34NFM-3-20-12 | 2,698.00 | 25 |
| 25 | 1200 | 324T | 86.7 | 81 | 208-230/460V | 72.5-65.6/32.8 | 1.15 | D | 662 | 34NFM-3-25-12 | 3,051.00 | 25 |
| 30 | 1200 | 326T | 86.6 | 82 | 208-230/460V | 85.6-77.4/38.7 | 1.15 | D | 677 | 34NFM-3-30-12 | 3,597.00 | 25 |
| 40 | 1200 | 365T | 86 | 83 | 208-230/460V | 115.9-104.8/52.4 | 1.15 | D | 887 | 34NFM-3-40-12 | 4,873.00 | 25 |
| 50 | 1200 | 404T | 87.3 | 88 | 208-230/460V | 133.6-120.8/60.4 | 1.15 | D | 904 | 34NFM-3-50-12 | 5,871.00 | 25 |
| 60 | 1200 | 405T | 87 | 87 | 208-230/460V | 164.5-148.8/74.4 | 1.15 | D | 1303 | 34NFM-3-60-12 | 6,599.00 | 25 |
| 75 | 1200 | 444T | 89.3 | 87 | 230/460V | 197-178.2/89.1 | 1.15 | D | 1729 | 34NFM-3-75-12 | 8,861.00 | 26 |
| 100 | 1200 | 445T | 89.5 | 87 | 230/460V | 266.7-241.2/120.6 | 1.15 | D | 1846 | 34NFM-3-100-12 | 11,795.00 | 26 |

Performance Data & Mounting Dimensions: 34N Series Page 89

Non-stock item may be available in limited supply or by special order. Contact Elektrim at 855-Go-Elektrim or support@elektrimmotors.com for details.

^(a) See notes on inside back cover.



Crusher Duty – 125-600 HP

3PH TEFC 60 Hz NEMA AC Foot Mounted Motors

Applications: Ideal for mining, quarry and other aggregate operations which require a durable, robust construction and unshakable crusher performance for continuous operation for years to come.

Features

- Inverter Duty Rated: 5:1CT & 10:1VT
- Service Factor: up to 1.20
- Design: High Starting Torque
- Protection Degree: IP55
- Enclosure: TEFC
- VPI process applied for best electrical performance
- Dual rated for 380V 50 Hz at lower HP output
- Double delta connection (12 leads)
- Roller bearing on DE side for belt drive applications
- Regreasable bearings
- 4140 equivalent steel shaft
- Unibody design
- Class "F" insulation with Class "B" rise
- Large junction box
- Thermistors and space heaters standard (449T and up) on 33N and 40N Series only
- Suitable for wye/delta starting and part winding starting
- Designed for horizontal applications
- Rigid 200 grade cast iron frame and brackets
- F1 mounting position
- CSA-US certified and CE marked
- Warranty: 3-Years

32N and 33NFC Series formerly branded as Elektrimax.
See page 1 for details.

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes (a) |
|-----|------|-------|------|----|---------|----------------|----------------|-------------|------------|--------------------|------------|-----------|
| 125 | 1800 | 444T | 95.4 | 88 | 460V | 139.4 | 1.20 | B | 1433 | 32NFM-3-125-18 | 12,375.00 | 4 |
| | 1200 | 445T | 95.0 | 86 | 460V | 143.3 | 1.20 | B | 1587 | 32NFM-3-125-12 | 14,465.00 | 4 |
| 150 | 1800 | 445T | 95.8 | 88 | 460V | 166.6 | 1.20 | B | 1565 | 32NFM-3-150-18 | 14,618.00 | 4 |
| | 1200 | 447T | 95.8 | 86 | 460V | 170.5 | 1.20 | B | 1885 | 32NFM-3-150-12 | 17,790.00 | 4 |
| 200 | 1800 | 449T | 96.2 | 88 | 460V | 221.2 | 1.20 | B | 1907 | 32NFM-3-200-18 | 17,428.00 | 4 |
| | 1200 | 449T | 95.8 | 86 | 460V | 227.3 | 1.20 | B | 2182 | 32NFM-3-200-12 | 20,151.00 | 4 |
| 250 | 1800 | 449T | 96.2 | 88 | 460V | 276.5 | 1.20 | B | 1872 | 32NFM-3-250-18 | 21,458.00 | 4 |
| | 1200 | 449T | 95.0 | 81 | 460V | 304 | 1.15 | C | 2645 | 40NFC-3-250-12 | 32,789.00 | 4 |
| 300 | 1800 | 449T | 95.4 | 87 | 460V | 338 | 1.15 | C | 2665 | 40NFC-3-300-18 | 30,567.00 | 4 |
| | 1200 | 449T | 95.0 | 81 | 460V | 365 | 1.15 | C | 2900 | 40NFC-3-300-12 | 33,789.00 | 4 |
| 350 | 1800 | 449T | 95.4 | 87 | 460V | 395 | 1.15 | C | 2830 | 40NFC-3-350-18 | 32,013.00 | 4 |
| | 1200 | 587UZ | 95.0 | 86 | 460V | 401 | 1.15 | C | 3877 | 33NFC-3-350-12/5UZ | 34,334.00 | |
| 400 | 1800 | 449T | 95.2 | 87 | 460V | 452 | 1.0 | C | 2830 | 40NFC-3-400-18 | 33,411.00 | 4 |
| | 1800 | 587UZ | 95.5 | 90 | 460V | 436 | 1.15 | C | 4549 | 33NFC-3-400-18/5UZ | 34,269.00 | |
| | 1200 | 587UZ | 95.0 | 86 | 460V | 458 | 1.15 | C | 4695 | 33NFC-3-400-12/5UZ | 36,122.00 | |
| 500 | 1800 | 588UZ | 95.5 | 90 | 460V | 545 | 1.15 | C | 4300 | 33NFC-3-500-18/5UZ | 41,629.00 | |
| | 1200 | 588UZ | 95.0 | 86 | 460V | 573 | 1.15 | C | 4420 | 33NFC-3-500-12/5UZ | 43,113.00 | |
| 600 | 1800 | 588UZ | 95.5 | 90 | 460V | 654 | 1.15 | C | 4420 | 33NFC-3-600-18/5UZ | 44,246.00 | |

Performance Data & Mounting Dimensions: 32NFM Series Pages 69-70, 33NFC and 40NFC Series Pages 90-91

Non-stock item may be available in limited supply or by special order. Contact Elektrim at 855-Go-Elektrim or support@elektrimmotors.com for details.

(a) See notes on inside back cover.



Brake Motor – 1-30 HP

3PH TEFC 60 Hz NEMA AC Foot Mounted Motors

Applications: Outstanding durability and performance ideal for hoists, cranes, conveyors, machine tools, speed reducers and other industrial applications where a quick stop and positive holding torque are necessary.

Features

- Inverter Duty Rated: 10:1CT & 20:1VT
- Service Factor: up to 1.4
- Design: "B" or "A"
- Protection Degree: IP55
- Enclosure: TEFC
- High locked rotor and brake torque
- VPI process applied for best electrical performance
- DC Disc brake with 460V AC rectifier, 230V AC rectifier available upon request
- Class "F" insulation with rise below Class "B"
- Manual release
- Oversized double-shielded bearings
- Rigid cast iron frame
- F1 / F2 convertible
- Drain plugs
- CSA-US, DOE approved and CE marked
- 20N Series motors are NEMA Premium® marked
- Warranty: 3-Years

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes (a) |
|-----|------|-------|------|----|--------------|----------------|----------------|-------------|------------|--------------------|------------|-----------|
| 1 | 1800 | 143T | 85.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.4 | B | 53 | 20NFB-3-1-18 | 1,496.00 | 22 |
| | 1200 | 145T | 82.5 | 68 | 208-230/460V | 3.8-3.4/1.7 | 1.4 | B | 55 | 20NFB-3-1-12 | 1,540.00 | 22 |
| 1.5 | 3600 | 143T | 84.5 | 78 | 208-230/460V | 4.6-4.2/2.1 | 1.4 | B | 56 | 20NFB-3-1.5-36 | 1,453.00 | 22 |
| | 1800 | 145T | 87 | 79 | 208-230/460V | 4.4-4/2 | 1.4 | B | 57 | 20NFB-3-1.5-18 | 1,543.00 | 22 |
| | 1200 | 182T | 87.5 | 68 | 208-230/460V | 5.3-4.8/2.4 | 1.4 | B | 85 | 20NFB-3-1.5-12 | 2,069.00 | 22 |
| 2 | 3600 | 145T | 86 | 82 | 208-230/460V | 6-5.4/2.7 | 1.4 | B | 57 | 20NFB-3-2-36 | 1,512.00 | 22 |
| | 1800 | 145T | 86.5 | 83 | 208-230/460V | 5.8-5.2/2.6 | 1.4 | B | 59 | 20NFB-3-2-18 | 1,582.00 | 22 |
| | 1200 | 184T | 88.5 | 72 | 208-230/460V | 6.6-6/3 | 1.4 | B | 98 | 20NFB-3-2-12 | 2,222.00 | 22 |
| 3 | 3600 | 182T | 86.5 | 82 | 208-230/460V | 8.8-8/4 | 1.4 | B | 76 | 20NFB-3-3-36 | 2,012.00 | 22 |
| | 1800 | 182T | 89.5 | 75 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | A | 102 | 20NFB-3-3-18 | 2,159.00 | 22 |
| | 1200 | 213T | 89.5 | 74 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | B | 205 | 20NFB-3-3-12 | 2,602.00 | 23 |
| 5 | 3600 | 184T | 89 | 85 | 208-230/460V | 13.7-12.4/6.2 | 1.4 | A | 102 | 20NFB-3-5-36 | 2,273.00 | 22 |
| | 1800 | 184T | 89.5 | 78 | 208-230/460V | 14.8-13.4/6.7 | 1.3 | A | 108 | 20NFB-3-5-18 | 2,348.00 | 22 |
| | 1200 | 215T | 89.5 | 75 | 208-230/460V | 15.5-14/7 | 1.3 | B | 220 | 20NFB-3-5-12 | 2,956.00 | 23 |
| 7.5 | 3600 | 213T | 90 | 92 | 208-230/460V | 18.8-17/8.5 | 1.3 | A | 159 | 20NFB-3-7.5-36 | 2,727.00 | 23 |
| | 1800 | 213T | 91.7 | 82 | 208-230/460V | 20.6-18.6/9.3 | 1.3 | A | 167 | 20NFB-3-7.5-18 | 2,948.00 | 23 |
| | 1200 | 254T | 91 | 74 | 208-230/460V | 23-20.8/10.4 | 1.3 | A | 321 | 20NFB-3-7.5-12 | 4,031.00 | 23 |
| 10 | 3600 | 215T | 90.2 | 91 | 208-230/460V | 25.2-22.8/11.4 | 1.3 | A | 173 | 20NFB-3-10-36 | 2,973.00 | 23 |
| | 1800 | 215T | 91.7 | 82 | 208-230/460V | 27.6-25/12.5 | 1.3 | A | 185 | 20NFB-3-10-18 | 2,995.00 | 23 |
| | 1200 | 256T | 91 | 77 | 208-230/460V | 29.6-26.8/13.4 | 1.3 | A | 363 | 20NFB-3-10-12 | 4,112.00 | 23 |
| 15 | 3600 | 254T | 91.7 | 87 | 208-230/460V | 38.9-35.2/17.6 | 1.3 | B | 258 | 20NFB-3-15-36 | 4,036.00 | 23 |
| | 1800 | 254T | 92.4 | 88 | 208-230/460V | 38.3-34.6/17.3 | 1.3 | A | 301 | 20NFB-3-15-18 | 4,312.00 | 23 |
| | 1200 | 284T | 91.7 | 79 | 208-230/460V | 43.1-39/19.5 | 1.3 | A | 371 | 20NFB-3-15-12 | 5,434.00 | 23 |
| 20 | 3600 | 256T | 92 | 89 | 208-230/460V | 50.6-45.8/22.9 | 1.3 | B | 306 | 20NFB-3-20-36 | 4,390.00 | 23 |
| | 1800 | 256T | 93 | 88 | 208-230/460V | 50.6-45.8/22.9 | 1.2 | A | 390 | 20NFB-3-20-18 | 4,816.00 | 23 |
| | 1200 | 286T | 91.7 | 80 | 208-230/460V | 56.4-51/25.5 | 1.2 | A | 421 | 20NFB-3-20-12 | 6,216.00 | 23 |
| 25 | 3600 | 284TS | 92.4 | 86 | 208-230/460V | 65.2-59/29.5 | 1.2 | A | 348 | 20NFB-3-25-36 | 4,960.00 | 23 |
| | 1800 | 284T | 93.6 | 82 | 208-230/460V | 67.5-61/30.5 | 1.2 | A | 397 | 20NFB-3-25-18 | 5,736.00 | 23 |
| 30 | 3600 | 286TS | 91.7 | 87 | 208-230/460V | 77.8-70.4/35.2 | 1.2 | A | 390 | 20NFB-3-30-36 | 5,457.00 | 23 |
| | 1800 | 286T | 93.6 | 80 | 208-230/460V | 82.9-75/37.5 | 1.2 | A | 441 | 20NFB-3-30-18 | 5,969.00 | 23 |

Performance Data & Mounting Dimensions: 20N Series Pages 92-94

Premium Efficient Motors

Some limited discontinued EPACT motors available while supplies last. Contact Elektrim at 855-Go-Elektrim or support@elektrimmotors.com for details. Motors can be modified from Footed to C-Face and vice versa.

(a) See notes on inside back cover.



Brake Motor – 1-30 HP

3PH TEFC 60 Hz NEMA AC C-Face Motors

Applications: Outstanding durability and performance ideal for hoists, cranes, conveyors, machine tools, speed reducers and other industrial applications where a quick stop and positive holding torque are necessary.

Features

- Inverter Duty Rated: 10:1CT & 20:1VT
- Service Factor: up to 1.4
- Design: "B" or "A"
- Protection Degree: IP55
- Enclosure: TEFC
- High locked rotor and brake torque
- VPI process applied for best electrical performance
- DC Disc brake with 460V AC rectifier, 230V AC rectifier available upon request
- Class "F" insulation with rise below Class "B"
- Manual release
- Oversized double-shielded bearings
- Rigid cast iron frame
- F1 / F2 convertible
- Drain plugs
- CSA-US, DOE approved and CE marked
- 20N Series motors are NEMA Premium® marked
- Warranty: 3-Years

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | C-Face Part Number | List Price | Notes ^(a) |
|-----|------|--------|------|----|--------------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 1 | 1800 | 143TC | 85.5 | 78 | 208-230/460V | 3.1-2.8/1.4 | 1.4 | B | 53 | 20NCB-3-1-18 | 1,631.00 | 22 |
| | 1200 | 145TC | 82.5 | 68 | 208-230/460V | 3.8-3.4/1.7 | 1.4 | B | 55 | 20NCB-3-1-12 | 1,678.00 | 22 |
| 1.5 | 3600 | 143TC | 84.5 | 78 | 208-230/460V | 4.6-4.2/2.1 | 1.4 | B | 56 | 20NCB-3-1.5-36 | 1,584.00 | 22 |
| | 1800 | 145TC | 87 | 79 | 208-230/460V | 4.4-4/2 | 1.4 | B | 57 | 20NCB-3-1.5-18 | 1,682.00 | 22 |
| | 1200 | 182TC | 87.5 | 68 | 208-230/460V | 5.3-4.8/2.4 | 1.4 | B | 85 | 20NCB-3-1.5-12 | 2,256.00 | 22 |
| | 3600 | 145TC | 86 | 82 | 208-230/460V | 6-5.4/2.7 | 1.4 | B | 57 | 20NCB-3-2-36 | 1,648.00 | 22 |
| 2 | 1800 | 145TC | 86.5 | 83 | 208-230/460V | 5.8-5.2/2.6 | 1.4 | B | 59 | 20NCB-3-2-18 | 1,725.00 | 22 |
| | 1200 | 184TC | 88.5 | 72 | 208-230/460V | 6.6-6/3 | 1.4 | B | 98 | 20NCB-3-2-12 | 2,422.00 | 22 |
| | 3600 | 182TC | 86.5 | 82 | 208-230/460V | 8.8-8/4 | 1.4 | B | 76 | 20NCB-3-3-36 | 2,193.00 | 22 |
| 3 | 1800 | 182TC | 89.5 | 75 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | A | 102 | 20NCB-3-3-18 | 2,353.00 | 22 |
| | 1200 | 213TC | 89.5 | 74 | 208-230/460V | 9.3-8.4/4.2 | 1.4 | B | 205 | 20NCB-3-3-12 | 2,836.00 | 23 |
| | 3600 | 184TC | 89 | 85 | 208-230/460V | 13.7-12.4/6.2 | 1.4 | A | 102 | 20NCB-3-5-36 | 2,478.00 | 22 |
| 5 | 1800 | 184TC | 89.5 | 78 | 208-230/460V | 14.8-13.4/6.7 | 1.3 | A | 108 | 20NCB-3-5-18 | 2,560.00 | 22 |
| | 1200 | 215TC | 89.5 | 75 | 208-230/460V | 15.5-14/7 | 1.3 | B | 220 | 20NCB-3-5-12 | 3,222.00 | 23 |
| | 3600 | 213TC | 90 | 92 | 208-230/460V | 18.8-17/8.5 | 1.3 | A | 159 | 20NCB-3-7.5-36 | 2,972.00 | 23 |
| 7.5 | 1800 | 213TC | 91.7 | 82 | 208-230/460V | 20.6-18.6/9.3 | 1.3 | A | 167 | 20NCB-3-7.5-18 | 3,214.00 | 23 |
| | 1200 | 254TC | 91 | 74 | 208-230/460V | 23-20.8/10.4 | 1.3 | A | 321 | 20NCB-3-7.5-12 | 4,394.00 | 23 |
| | 3600 | 215TC | 90.2 | 91 | 208-230/460V | 25.2-22.8/11.4 | 1.3 | A | 173 | 20NCB-3-10-36 | 3,241.00 | 23 |
| 10 | 1800 | 215TC | 91.7 | 82 | 208-230/460V | 27.6-25/12.5 | 1.3 | A | 185 | 20NCB-3-10-18 | 3,265.00 | 23 |
| | 1200 | 256TC | 91 | 77 | 208-230/460V | 29.6-26.8/13.4 | 1.3 | A | 363 | 20NCB-3-10-12 | 4,483.00 | 23 |
| | 3600 | 254TC | 91.7 | 87 | 208-230/460V | 38.9-35.2/17.6 | 1.3 | B | 258 | 20NCB-3-15-36 | 4,399.00 | 23 |
| 15 | 1800 | 254TC | 92.4 | 88 | 208-230/460V | 38.3-34.6/17.3 | 1.3 | A | 301 | 20NCB-3-15-18 | 4,701.00 | 23 |
| | 1200 | 284TC | 91.7 | 79 | 208-230/460V | 43.1-39/19.5 | 1.3 | A | 371 | 20NCB-3-15-12 | 5,923.00 | 23 |
| | 3600 | 256TC | 92 | 89 | 208-230/460V | 50.6-45.8/22.9 | 1.3 | B | 306 | 20NCB-3-20-36 | 4,785.00 | 23 |
| 20 | 1800 | 256TC | 93 | 88 | 208-230/460V | 50.6-45.8/22.9 | 1.2 | A | 390 | 20NCB-3-20-18 | 5,250.00 | 23 |
| | 1200 | 286TC | 91.7 | 80 | 208-230/460V | 56.4-51/25.5 | 1.2 | A | 421 | 20NCB-3-20-12 | 6,776.00 | 23 |
| | 3600 | 284TSC | 92.4 | 86 | 208-230/460V | 65.2-59/29.5 | 1.2 | A | 348 | 20NCB-3-25-36 | 5,407.00 | 23 |
| 25 | 1800 | 284TC | 93.6 | 82 | 208-230/460V | 67.5-61/30.5 | 1.2 | A | 397 | 20NCB-3-25-18 | 6,252.00 | 23 |
| | 3600 | 286TSC | 91.7 | 87 | 208-230/460V | 77.8-70.4/35.2 | 1.2 | A | 390 | 20NCB-3-30-36 | 5,949.00 | 23 |
| 30 | 1800 | 286TC | 93.6 | 80 | 208-230/460V | 82.9-75/37.5 | 1.2 | A | 441 | 20NCB-3-30-18 | 6,506.00 | 23 |

Performance Data & Mounting Dimensions: 20N Series Pages 92-94

Premium Efficient Motors

Some limited discontinued EPACT motors available while supplies last. Contact Elektrim at 855-Go-Elektrim or support@elektrimmotors.com for details. Motors can be modified from Footed to C-Face and vice versa.

^(a) See notes on inside back cover.



High Torque Single Phase Rolled Steel – 3-10 HP

1PH TEFC 60 Hz NEMA AC Foot Mounted and C-Face Motors

Applications: Ideal for a variety of moderate to high-starting torque applications such as grain augers, poultry feed augers, bin grain stirring systems, manure pumps, hog pond pumps, grain legs, grain cleaning, conveyors, pumps, aeration and more.

Features

- High starting torque
- Service Factor: up to 1.15
- Design: "L"
- Protection Degree: IP55
- Enclosure: TEFC rolled steel NEMA frame
- Oversized ball bearings
- VPI process applied for best electrical performance
- F1 footmount assembly with or without C-Face
- 1-Phase 208-230/460V 60Hz
- Shaft v-ring seals
- Rolled steel construction with cast iron end plates
- Outdoor usable
- Start and run capacitors standard
- Corrosion resistant epoxy coated
- Condensation drains
- CSA-US certified
- Replacement parts available
- Warranty: 1-Year

Footed Motors

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes (a) |
|-----|------|-------|------|----|--------------|----------------|----------------|-------------|------------|--------------------|------------|-----------|
| 3 | 3600 | 182T | 79.4 | 99 | 208-230/460V | 14.0-12.4/6.3 | 1.15 | L | 88 | 36TF-1-3-36 | 706.00 | |
| | 1800 | 182T | 81.7 | 95 | 208-230/460V | 14.5-12.6/6.4 | 1.15 | L | 92 | 36TF-1-3-18 | 787.00 | |
| 5 | 3600 | 184T | 82.5 | 99 | 208-230/460V | 23.0-20.0/10.0 | 1.15 | L | 95 | 36TF-1-5-36 | 838.00 | |
| | 1800 | 184T | 83.8 | 96 | 208-230/460V | 22.5-20.0/10.0 | 1.15 | L | 110 | 36TF-1-5-18 | 901.00 | |
| 7.5 | 3600 | 213T | 83.5 | 99 | 208-230/460V | 31.5-29.0/15.0 | 1.15 | L | 123 | 36TF-1-7.5-36 | 1,245.00 | |
| | 1800 | 213T | 84.5 | 98 | 208-230/460V | 32.8-30.0/15.2 | 1.15 | L | 143 | 36TF-1-7.5-18 | 1,358.00 | |
| 10 | 1800 | 215T | 88.7 | 97 | 208-230/460V | 40.2-38.2/19.5 | 1.0 | L | 161 | 36TF-1-10-18 | 1,672.00 | |

Footed C-Face Motors

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed C-Face Part Number | List Price | Notes (a) |
|-----|------|-------|------|----|--------------|----------------|----------------|-------------|------------|---------------------------|------------|-----------|
| 3 | 3600 | 182TC | 79.4 | 99 | 208-230/460V | 14.0-12.4/6.3 | 1.15 | L | 88 | 36TC-1-3-36 | 755.00 | |
| | 1800 | 182TC | 81.7 | 95 | 208-230/460V | 14.5-12.6/6.4 | 1.15 | L | 92 | 36TC-1-3-18 | 842.00 | |
| 5 | 3600 | 184TC | 82.5 | 99 | 208-230/460V | 23.0-20.0/10.0 | 1.15 | L | 95 | 36TC-1-5-36 | 897.00 | |
| | 1800 | 184TC | 83.8 | 96 | 208-230/460V | 22.5-20.0/10.0 | 1.15 | L | 110 | 36TC-1-5-18 | 964.00 | |
| 7.5 | 3600 | 213TC | 83.5 | 99 | 208-230/460V | 31.5-29.0/15.0 | 1.15 | L | 123 | 36TC-1-7.5-36 | 1,332.00 | |
| | 1800 | 213TC | 84.5 | 98 | 208-230/460V | 32.8-30.0/15.2 | 1.15 | L | 143 | 36TC-1-7.5-18 | 1,453.00 | |
| 10 | 1800 | 215TC | 88.7 | 97 | 208-230/460V | 40.2-38.2/19.5 | 1.0 | L | 161 | 36TC-1-10-18 | 1,789.00 | |

Performance Data & Mounting Dimensions: 36T Series Page 95



C-Face Motors and C-Face Kits available

(a) See notes on inside back cover.



56C Frame Rolled Steel – 1/3-2 HP 1PH TEFC 60 Hz NEMA AC Foot Mounted Motors

Applications: Energy-saving continuous duty motor designed for applications requiring exceptional value, quality and performance at home and/or in light industries.

Features

- Service Factor: 1.15
- Design: "B"
- Protection Degree: IP55
- Enclosure: TEFC
- High locked rotor torque
- Available with and without thermal protection and manual reset (TP)
- Rolled steel NEMA frame 56C
- Aluminum alloy cast C-Face
- Continuous duty
- Energy saving design
- F1 assembly
- CSA-US certified and CE marked
- Warranty: 1-Year

38C Series formerly branded as Elektrimax.
See page 1 for details.

1PH Footed without Thermal Protection and Manual Reset

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|-------|-----|----|----------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 1/3 | 3600 | 56C | 57 | 82 | 115/230V | 4.8/2.4 | 1.15 | B | 23.2 | 38CF-1-.33-36 | 227.00 | 25 |
| | 1800 | 56C | 60 | 59 | 115/230V | 6/3 | 1.15 | B | 23.2 | 38CF-1-.33-18 | 236.00 | 25 |
| 1/2 | 3600 | 56C | 63 | 83 | 115/230V | 6.2/3.1 | 1.15 | B | 24.3 | 38CF-1-.50-36 | 238.00 | 25 |
| | 1800 | 56C | 62 | 65 | 115/230V | 8/4 | 1.15 | B | 24.3 | 38CF-1-.50-18 | 247.00 | 25 |
| 3/4 | 3600 | 56C | 64 | 83 | 115/230V | 9/4.5 | 1.15 | B | 26.5 | 38CF-1-.75-36 | 254.00 | 25 |
| | 1800 | 56C | 73 | 71 | 115/230V | 9.2/4.6 | 1.15 | B | 31 | 38CF-1-.75-18 | 274.00 | 25 |
| 1 | 3600 | 56C | 64 | 83 | 115/230V | 12.4/6.2 | 1.15 | B | 32 | 38CF-1-1-36 | 277.00 | 25 |
| | 1800 | 56C | 73 | 73 | 115/230V | 12.2/6.1 | 1.15 | B | 36.4 | 38CF-1-1-18 | 295.00 | 25 |
| 1.5 | 3600 | 56C | 66 | 84 | 115/230V | 17.4/8.7 | 1.15 | B | 39.7 | 38CF-1-1.5-36 | 308.00 | 25 |
| | 1800 | 56C | 74 | 77 | 115/230V | 16.8/8.4 | 1.15 | B | 40.8 | 38CF-1-1.5-18 | 339.00 | 25 |
| 2 | 3600 | 56HC | 72 | 84 | 115/230V | 21.6/10.8 | 1.15 | B | 43 | 38CF-1-2-36 | 371.00 | 25 |
| | 1800 | 56HC | 76 | 95 | 115/230V | 18/9 | 1.15 | B | 43 | 38CF-1-2-18 | 400.00 | 25 |

1PH Footed with Thermal Protection and Manual Reset

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|-------|-----|----|----------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 1/3 | 3600 | 56C | 57 | 82 | 115/230V | 4.8/2.4 | 1.15 | B | 23.2 | 38CF-1-.33-36TP | 237.00 | 25 |
| | 1800 | 56C | 60 | 59 | 115/230V | 6/3 | 1.15 | B | 23.2 | 38CF-1-.33-18TP | 243.00 | 25 |
| 1/2 | 3600 | 56C | 63 | 83 | 115/230V | 6.2/3.1 | 1.15 | B | 24.3 | 38CF-1-.50-36TP | 241.00 | 25 |
| | 1800 | 56C | 62 | 65 | 115/230V | 8/4 | 1.15 | B | 24.3 | 38CF-1-.50-18TP | 254.00 | 25 |
| 3/4 | 3600 | 56C | 64 | 83 | 115/230V | 9/4.5 | 1.15 | B | 26.5 | 38CF-1-.75-36TP | 278.00 | 25 |
| | 1800 | 56C | 73 | 71 | 115/230V | 9.2/4.6 | 1.15 | B | 31 | 38CF-1-.75-18TP | 287.00 | 25 |
| 1 | 3600 | 56C | 64 | 83 | 115/230V | 12.4/6.2 | 1.15 | B | 32 | 38CF-1-1-36TP | 299.00 | 25 |
| | 1800 | 56C | 73 | 73 | 115/230V | 12.2/6.1 | 1.15 | B | 36.4 | 38CF-1-1-18TP | 315.00 | 25 |
| 1.5 | 3600 | 56C | 66 | 84 | 115/230V | 17.4/8.7 | 1.15 | B | 39.7 | 38CF-1-1.5-36TP | 338.00 | 25 |
| | 1800 | 56C | 74 | 77 | 115/230V | 16.8/8.4 | 1.15 | B | 40.8 | 38CF-1-1.5-18TP | 369.00 | 25 |
| 2 | 3600 | 56HC | 72 | 84 | 115/230V | 21.6/10.8 | 1.15 | B | 43 | 38CF-1-2-36TP | 387.00 | 25 |
| | 1800 | 56HC | 76 | 95 | 115/230V | 18/9 | 1.15 | B | 43 | 38CF-1-2-18TP | 454.00 | 25 |

Performance Data & Mounting Dimensions: 38C Series Page 96

^(a) See notes on inside back cover.



56C Frame Rolled Steel – 1/3-2 HP

1PH TEFC 60 Hz NEMA AC Round Body Motors

Applications: Energy-saving continuous duty motor designed for applications requiring exceptional value, quality and performance at home and/or in light industries.

Features

- Service Factor: 1.15
- Design: "B"
- Protection Degree: IP55
- Enclosure: TEFC
- High locked rotor torque
- Available with and without thermal protection and manual reset (TP)
- Rolled steel NEMA frame 56C
- Aluminum alloy cast C-Face
- Continuous duty
- Energy saving design
- F1 assembly
- CSA-US certified and CE marked
- Warranty: 1-Year

38C Series formerly branded as Elektrimax.
See page 1 for details.

1PH Round Body without Thermal Protection and Manual Reset

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Round Body Part Number | List Price | Notes ^(a) |
|-----|------|-------|-----|----|----------|----------------|----------------|-------------|------------|------------------------|------------|----------------------|
| 1/3 | 3600 | 56C | 57 | 82 | 115/230V | 4.8/2.4 | 1.15 | B | 23.2 | 38CR-1-.33-36 | 227.00 | 25 |
| | 1800 | 56C | 60 | 59 | 115/230V | 6/3 | 1.15 | B | 23.2 | 38CR-1-.33-18 | 236.00 | 25 |
| 1/2 | 3600 | 56C | 63 | 83 | 115/230V | 6.2/3.1 | 1.15 | B | 24.3 | 38CR-1-.50-36 | 238.00 | 25 |
| | 1800 | 56C | 62 | 65 | 115/230V | 8/4 | 1.15 | B | 24.3 | 38CR-1-.50-18 | 247.00 | 25 |
| 3/4 | 3600 | 56C | 64 | 83 | 115/230V | 9/4.5 | 1.15 | B | 26.5 | 38CR-1-.75-36 | 254.00 | 25 |
| | 1800 | 56C | 73 | 71 | 115/230V | 9.2/4.6 | 1.15 | B | 31 | 38CR-1-.75-18 | 274.00 | 25 |
| 1 | 3600 | 56C | 64 | 83 | 115/230V | 12.4/6.2 | 1.15 | B | 32 | 38CR-1-1-36 | 277.00 | 25 |
| | 1800 | 56C | 73 | 73 | 115/230V | 12.2/6.1 | 1.15 | B | 36.4 | 38CR-1-1-18 | 295.00 | 25 |
| 1.5 | 3600 | 56C | 66 | 84 | 115/230V | 17.4/8.7 | 1.15 | B | 39.7 | 38CR-1-1.5-36 | 308.00 | 25 |
| | 1800 | 56C | 74 | 77 | 115/230V | 16.8/8.4 | 1.15 | B | 40.8 | 38CR-1-1.5-18 | 339.00 | 25 |
| 2 | 3600 | 56C | 72 | 84 | 115/230V | 21.6/10.8 | 1.15 | B | 43 | 38CR-1-2-36 | 371.00 | 25 |
| | 1800 | 56C | 76 | 95 | 115/230V | 18/9 | 1.15 | B | 43 | 38CR-1-2-18 | 400.00 | 25 |

1PH Round Body with Thermal Protection and Manual Reset

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Round Body Part Number | List Price | Notes ^(a) |
|-----|------|-------|-----|----|----------|----------------|----------------|-------------|------------|------------------------|------------|----------------------|
| 1/3 | 3600 | 56C | 57 | 82 | 115/230V | 4.8/2.4 | 1.15 | B | 23.2 | 38CR-1-.33-36TP | 237.00 | 25 |
| | 1800 | 56C | 60 | 59 | 115/230V | 6/3 | 1.15 | B | 23.2 | 38CR-1-.33-18TP | 243.00 | 25 |
| 1/2 | 3600 | 56C | 63 | 83 | 115/230V | 6.2/3.1 | 1.15 | B | 24.3 | 38CR-1-.50-36TP | 241.00 | 25 |
| | 1800 | 56C | 62 | 65 | 115/230V | 8/4 | 1.15 | B | 24.3 | 38CR-1-.50-18TP | 254.00 | 25 |
| 3/4 | 3600 | 56C | 64 | 83 | 115/230V | 9/4.5 | 1.15 | B | 26.5 | 38CR-1-.75-36TP | 278.00 | 25 |
| | 1800 | 56C | 73 | 71 | 115/230V | 9.2/4.6 | 1.15 | B | 31 | 38CR-1-.75-18TP | 287.00 | 25 |
| 1 | 3600 | 56C | 64 | 83 | 115/230V | 12.4/6.2 | 1.15 | B | 32 | 38CR-1-1-36TP | 299.00 | 25 |
| | 1800 | 56C | 73 | 73 | 115/230V | 12.2/6.1 | 1.15 | B | 36.4 | 38CR-1-1-18TP | 315.00 | 25 |
| 1.5 | 3600 | 56C | 66 | 84 | 115/230V | 17.4/8.7 | 1.15 | B | 39.7 | 38CR-1-1.5-36TP | 338.00 | 25 |
| | 1800 | 56C | 74 | 77 | 115/230V | 16.8/8.4 | 1.15 | B | 40.8 | 38CR-1-1.5-18TP | 369.00 | 25 |
| 2 | 3600 | 56C | 72 | 84 | 115/230V | 21.6/10.8 | 1.15 | B | 43 | 38CR-1-2-36TP | 387.00 | 25 |
| | 1800 | 56C | 76 | 95 | 115/230V | 18/9 | 1.15 | B | 43 | 38CR-1-2-18TP | 454.00 | 25 |

Performance Data & Mounting Dimensions: 38C Series Page 96

^(a) See notes on inside back cover.



56C Frame Rolled Steel – 1/3-3 HP

3PH TEFC 60 Hz NEMA AC Foot Mounted Motors

Applications: Energy-saving continuous duty motor designed for applications requiring exceptional value, quality and performance at home and/or in light industries.

Features

- Inverter Duty Rated: 3:1CT & 5:1VT
- Service Factor: 1.15
- Design: "B"
- Protection Degree: IP55
- Enclosure: TEFC
- High locked rotor torque
- Rated 380V 50Hz with lower HP output
- Rolled steel NEMA frame 56C
- Aluminum alloy cast C-Face
- Continuous duty
- Energy saving design
- F1 assembly
- CSA-US certified and CE marked
- Warranty: 1-Year

38C Series formerly branded as Elektrimax.
See page 1 for details.

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|-------|-----|----|--------------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 1/3 | 3600 | 56C | 59 | 83 | 208-230/460V | 1.4-1.3/0.65 | 1.15 | B | 21 | 38CF-3-.33-36 | 208.00 | 22,25 |
| | 1800 | 56C | 79 | 81 | 208-230/460V | 1.1-1/0.5 | 1.15 | B | 20.5 | 38CF-3-.33-18 | 209.00 | 22,25 |
| 1/2 | 3600 | 56C | 62 | 85 | 208-230/460V | 1.9-1.76/0.88 | 1.15 | B | 22.1 | 38CF-3-.50-36 | 216.00 | 22,25 |
| | 1800 | 56C | 71 | 75 | 208-230/460V | 2-1.8/0.9 | 1.15 | B | 21.2 | 38CF-3-.50-18 | 218.00 | 22,25 |
| 3/4 | 3600 | 56C | 69 | 84 | 208-230/460V | 2.7-2.4/1.2 | 1.15 | B | 23.4 | 38CF-3-.75-36 | 226.00 | 22,25 |
| | 1800 | 56C | 72 | 76 | 208-230/460V | 2.9-2.6/1.3 | 1.15 | B | 22.7 | 38CF-3-.75-18 | 238.00 | 22,25 |
| 1 | 3600 | 56C | 69 | 85 | 208-230/460V | 3.5-3.2/1.6 | 1.15 | B | 25.5 | 38CF-3-1-36 | 271.00 | 22,25 |
| | 1800 | 56C | 79 | 73 | 208-230/460V | 3.8-3.4/1.7 | 1.15 | B | 23.6 | 38CF-3-1-18 | 279.00 | 22,25 |
| 1.5 | 3600 | 56C | 72 | 85 | 208-230/460V | 5.1-4.6/2.3 | 1.15 | B | 29.5 | 38CF-3-1.5-36 | 295.00 | 22,25 |
| | 1800 | 56C | 83 | 76 | 208-230/460V | 4.9-4.4/2.2 | 1.15 | B | 26 | 38CF-3-1.5-18 | 324.00 | 22,25 |
| 2 | 3600 | 56HC | 80 | 88 | 208-230/460V | 6-5.4/2.7 | 1.15 | B | 35.3 | 38CF-3-2-36 | 334.00 | 22,25 |
| | 1800 | 56HC | 82 | 80 | 208-230/460V | 6.4-5.8/2.9 | 1.15 | B | 31.1 | 38CF-3-2-18 | 369.00 | 22,25 |
| 3 | 3600 | 56HC | 80 | 83 | 208-230/460V | 8.4-7.6/3.8 | 1.15 | B | 37.5 | 38CF-3-3-36 | 339.00 | 22,25 |

Performance Data & Mounting Dimensions: 38C Series Page 96

^(a) See notes on inside back cover.



56C Frame Rolled Steel – 1/3-3 HP

3PH TEFC 60 Hz NEMA AC Round Body Motors

Applications: Energy-saving continuous duty motor designed for applications requiring exceptional value, quality and performance at home and/or in light industries.

Features

- Inverter Duty Rated: 3:1CT & 5:1VT
- Service Factor: 1.15
- Design: "B"
- Protection Degree: IP55
- Enclosure: TEFC
- High locked rotor torque
- Rated 380V 50Hz with lower HP output
- Rolled steel NEMA frame 56C
- Aluminum alloy cast C-Face
- Continuous duty
- Energy saving design
- F1 assembly
- CSA-US certified and CE marked
- Warranty: 1-Year

38C Series formerly branded as Elektrimax.
See page 1 for details.

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Round Body Part Number | List Price | Notes ^(a) |
|-----|------|-------|-----|----|--------------|----------------|----------------|-------------|------------|------------------------|------------|----------------------|
| 1/3 | 3600 | 56C | 59 | 83 | 208-230/460V | 1.4-1.3/0.65 | 1.15 | B | 21 | 38CR-3-.33-36 | 208.00 | 22,25 |
| | 1800 | 56C | 79 | 81 | 208-230/460V | 1.1-1/0.5 | 1.15 | B | 20.5 | 38CR-3-.33-18 | 209.00 | 22,25 |
| 1/2 | 3600 | 56C | 62 | 85 | 208-230/460V | 1.9-1.76/0.88 | 1.15 | B | 22.1 | 38CR-3-.50-36 | 216.00 | 22,25 |
| | 1800 | 56C | 71 | 75 | 208-230/460V | 2-1.8/0.9 | 1.15 | B | 21.2 | 38CR-3-.50-18 | 218.00 | 22,25 |
| 3/4 | 3600 | 56C | 69 | 84 | 208-230/460V | 2.7-2.4/1.2 | 1.15 | B | 23.4 | 38CR-3-.75-36 | 226.00 | 22,25 |
| | 1800 | 56C | 72 | 76 | 208-230/460V | 2.9-2.6/1.3 | 1.15 | B | 22.7 | 38CR-3-.75-18 | 238.00 | 22,25 |
| 1 | 3600 | 56C | 69 | 85 | 208-230/460V | 3.5-3.2/1.6 | 1.15 | B | 25.5 | 38CR-3-1-36 | 271.00 | 22,25 |
| | 1800 | 56C | 79 | 73 | 208-230/460V | 3.8-3.4/1.7 | 1.15 | B | 23.6 | 38CR-3-1-18 | 279.00 | 22,25 |
| 1.5 | 3600 | 56C | 72 | 85 | 208-230/460V | 5.1-4.6/2.3 | 1.15 | B | 29.5 | 38CR-3-1.5-36 | 295.00 | 22,25 |
| | 1800 | 56C | 83 | 76 | 208-230/460V | 4.9-4.4/2.2 | 1.15 | B | 26 | 38CR-3-1.5-18 | 324.00 | 22,25 |
| 2 | 3600 | 56C | 80 | 88 | 208-230/460V | 6-5.4/2.7 | 1.15 | B | 35.3 | 38CR-3-2-36 | 334.00 | 22,25 |
| | 1800 | 56C | 82 | 80 | 208-230/460V | 6.4-5.8/2.9 | 1.15 | B | 31.1 | 38CR-3-2-18 | 369.00 | 22,25 |
| 3 | 3600 | 56C | 80 | 83 | 208-230/460V | 8.4-7.6/3.8 | 1.15 | B | 37.5 | 38CR-3-3-36 | 339.00 | 22,25 |

Performance Data & Mounting Dimensions: 38C Series Page 96

^(a) See notes on inside back cover.



56C Frame Stainless Steel – 1/3-3 HP

1PH & 3PH 60 Hz NEMA AC Foot Mounted Motors

Applications: Continuous duty motor designed to meet the severe sanitation requirements of food-grade and high pressure washdown applications in the pharmaceutical, food and beverage, processing and packaging industries.

Features

- Inverter Duty Rated: 3:1CT & 5:1VT (3-Phase only)
- Service Factor: 1.15
- Design: "B"
- Protection Degree: IP56
- Enclosure: TEFC or TENV
- C-Face with or without feet
- Class "F" insulation with Class "B" rise
- Continuous duty
- Sealed bearings
- Squirrel cage rotor
- 300 series stainless steel construction
- 12-Gauge puddle welded base on footed motors
- Anti-corrosion coating applied
- DE and NDE drain holes every 90°
- F1 assembly
- CSA-US certified and CE marked
- Warranty: 1-Year

39C Series formerly branded as Elektrimax.
See page 1 for details.

1PH Footed 56C Frame Stainless Steel

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|-------|-----|----|----------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 1/2 | 3600 | 56C | 63 | 83 | 115/230V | 6.2/3.1 | 1.15 | B | 24 | 39CF-1-.50-36 | 651.00 | 25 |
| | 1800 | 56C | 61 | 65 | 115/230V | 8.2/4.1 | 1.15 | B | 24 | 39CF-1-.50-18 | 623.00 | 25 |
| 3/4 | 3600 | 56C | 63 | 84 | 115/230V | 9/4.5 | 1.15 | B | 26.5 | 39CF-1-.75-36 | 673.00 | 25 |
| | 1800 | 56C | 72 | 68 | 115/230V | 9.8/4.9 | 1.15 | B | 23.5 | 39CF-1-.75-18 | 659.00 | 25 |
| 1 | 3600 | 56C | 64 | 84 | 115/230V | 12.4/6.2 | 1.15 | B | 31.5 | 39CF-1-1-36 | 765.00 | 25 |
| | 1800 | 56C | 69 | 69 | 115/230V | 13.6/6.8 | 1.15 | B | 33 | 39CF-1-1-18 | 773.00 | 25 |
| 1.5 | 3600 | 56C | 65 | 84 | 115/230V | 17.6/8.8 | 1.15 | B | 35 | 39CF-1-1.5-36 | 871.00 | 25 |
| | 1800 | 56C | 73 | 69 | 115/230V | 19/9.5 | 1.15 | B | 38.5 | 39CF-1-1.5-18 | 850.00 | 25 |
| 2 | 3600 | 56HC | 72 | 84 | 115/230V | 21.6/10.8 | 1.15 | B | 50 | 39CF-1-2-36 | 927.00 | 25 |
| | 1800 | 56HC | 76 | 95 | 115/230V | 18/9 | 1.15 | B | 48 | 39CF-1-2-18 | 921.00 | 25 |

3PH Footed 56C Frame Stainless Steel

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|----|--------------|----------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 1/3 | 3600 | 56C | 67 | 88 | 208-230/460V | 1.3-1.16/0.58 | 1.15 | B | 23 | 39CF-3-.33-36 | 530.00 | 22,25,29,30,31 |
| | 1800 | 56C | 72 | 66 | 208-230/460V | 1.4-1.3/0.65 | 1.15 | B | 22 | 39CF-3-.33-18 | 544.00 | 22,25,29,30,31 |
| 1/2 | 3600 | 56C | 75 | 85 | 208-230/460V | 1.8-1.6/0.8 | 1.15 | B | 25 | 39CF-3-.50-36 | 565.00 | 22,25,29,30,31 |
| | 1800 | 56C | 78 | 70 | 208-230/460V | 1.9-1.7/0.85 | 1.15 | B | 23.5 | 39CF-3-.50-18 | 578.00 | 22,25,29,30,31 |
| 3/4 | 3600 | 56C | 80 | 80 | 208-230/460V | 2.4-2.2/1.1 | 1.15 | B | 30 | 39CF-3-.75-36 | 607.00 | 22,25,29,30,31 |
| | 1800 | 56C | 79 | 75 | 208-230/460V | 2.7-2.4/1.2 | 1.15 | B | 31 | 39CF-3-.75-18 | 614.00 | 22,25,29,30,31 |
| 1 | 3600 | 56HC | 80 | 85 | 208-230/460V | 2.9-2.6/1.3 | 1.15 | B | 38 | 39CF-3-1-36 | 653.00 | 22,25,29,30 |
| | 1800 | 56HC | 81 | 75 | 208-230/460V | 3.3-3/1.5 | 1.15 | B | 38 | 39CF-3-1-18 | 674.00 | 22,25,29,30 |
| 1.5 | 3600 | 56HC | 82.5 | 85 | 208-230/460V | 4.1-3.7/1.85 | 1.15 | B | 45 | 39CF-3-1.5-36 | 731.00 | 22,25,29,30 |
| | 1800 | 56HC | 82.5 | 72 | 208-230/460V | 5.1-4.6/2.3 | 1.15 | B | 45 | 39CF-3-1.5-18 | 736.00 | 22,25,29,30 |
| 2 | 3600 | 56HC | 84 | 87 | 208-230/460V | 5.4-4.9/2.45 | 1.15 | B | 47 | 39CF-3-2-36 | 823.00 | 22,25,29,30 |
| | 1800 | 56HC | 84 | 75 | 208-230/460V | 6.4-5.8/2.9 | 1.15 | B | 51 | 39CF-3-2-18 | 825.00 | 22,25,29,30 |
| 3 | 3600 | 56HC | 80 | 83 | 208-230/460V | 8.4-7.6/3.8 | 1.15 | B | 51 | 39CF-3-3-36 | 948.00 | 22,25,29,30 |

Performance Data & Mounting Dimensions: 39C Series Page 97

^(a) See notes on inside back cover.



56C Frame Stainless Steel – 1/3-3 HP 1PH & 3PH 60 Hz NEMA AC Round Body Motors

Applications: Continuous duty motor designed to meet the severe sanitation requirements of food-grade and high pressure washdown applications in the pharmaceutical, food and beverage, processing and packaging industries.

Features

- Inverter Duty Rated: 3:1CT & 5:1VT (3-Phase only)
- Service Factor: 1.15
- Design: "B"
- Protection Degree: IP56
- Enclosure: TEFC or TENV
- C-Face with or without feet
- Class "F" insulation with Class "B" rise
- Continuous duty
- Sealed bearings
- Squirrel cage rotor
- 300 series stainless steel construction
- 12-Gauge puddle welded base on footed motors
- Anti-corrosion coating applied
- DE and NDE drain holes every 90°
- F1 assembly
- CSA-US certified and CE marked
- Warranty: 1-Year

39C Series formerly branded as Elektrimax.
See page 1 for details.

1PH Round Body 56C Frame Stainless Steel

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Round Body Part Number | List Price | Notes ^(a) |
|-----|------|-------|-----|----|----------|----------------|----------------|-------------|------------|------------------------|------------|----------------------|
| 1/2 | 3600 | 56C | 63 | 83 | 115/230V | 6.2/3.1 | 1.15 | B | 24 | 39CR-1-50-36 | 651.00 | 25 |
| | 1800 | 56C | 61 | 65 | 115/230V | 8.2/4.1 | 1.15 | B | 24 | 39CR-1-50-18 | 623.00 | 25 |
| 3/4 | 3600 | 56C | 63 | 84 | 115/230V | 9/4.5 | 1.15 | B | 26.5 | 39CR-1-.75-36 | 673.00 | 25 |
| | 1800 | 56C | 72 | 68 | 115/230V | 9.8/4.9 | 1.15 | B | 23.5 | 39CR-1-.75-18 | 659.00 | 25 |
| 1 | 3600 | 56C | 64 | 84 | 115/230V | 12.4/6.2 | 1.15 | B | 31.5 | 39CR-1-1-36 | 765.00 | 25 |
| | 1800 | 56C | 69 | 69 | 115/230V | 13.6/6.8 | 1.15 | B | 33 | 39CR-1-1-18 | 773.00 | 25 |
| 1.5 | 3600 | 56C | 65 | 84 | 115/230V | 17.6/8.8 | 1.15 | B | 35 | 39CR-1-1.5-36 | 871.00 | 25 |
| | 1800 | 56C | 73 | 69 | 115/230V | 19/9.5 | 1.15 | B | 38.5 | 39CR-1-1.5-18 | 850.00 | 25 |
| 2 | 3600 | 56C | 72 | 84 | 115/230V | 21.6/10.8 | 1.15 | B | 50 | 39CR-1-2-36 | 927.00 | 25 |
| | 1800 | 56C | 76 | 95 | 115/230V | 18/9 | 1.15 | B | 48 | 39CR-1-2-18 | 921.00 | 25 |

3PH Round Body 56C Frame Stainless Steel

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Round Body Part Number | List Price | Notes ^(a) |
|-----|------|-------|------|----|--------------|----------------|----------------|-------------|------------|------------------------|------------|----------------------|
| 1/3 | 3600 | 56C | 67 | 88 | 208-230/460V | 1.3-1.16/0.58 | 1.15 | B | 23 | 39CR-3-.33-36 | 530.00 | 22,25,29,30,31 |
| | 1800 | 56C | 72 | 66 | 208-230/460V | 1.4-1.3/0.65 | 1.15 | B | 22 | 39CR-3-.33-18 | 544.00 | 22,25,29,30,31 |
| 1/2 | 3600 | 56C | 75 | 85 | 208-230/460V | 1.8-1.6/0.8 | 1.15 | B | 25 | 39CR-3-.50-36 | 565.00 | 22,25,29,30,31 |
| | 1800 | 56C | 78 | 70 | 208-230/460V | 1.9-1.7/0.85 | 1.15 | B | 23.5 | 39CR-3-.50-18 | 578.00 | 22,25,29,30,31 |
| 3/4 | 3600 | 56C | 80 | 80 | 208-230/460V | 2.4-2.2/1.1 | 1.15 | B | 30 | 39CR-3-.75-36 | 607.00 | 22,25,29,30,31 |
| | 1800 | 56C | 79 | 75 | 208-230/460V | 2.7-2.4/1.2 | 1.15 | B | 31 | 39CR-3-.75-18 | 614.00 | 22,25,29,30,31 |
| 1 | 3600 | 56C | 80 | 85 | 208-230/460V | 2.9-2.6/1.3 | 1.15 | B | 38 | 39CR-3-1-36 | 653.00 | 22,25,29,30 |
| | 1800 | 56C | 81 | 75 | 208-230/460V | 3.3-3/1.5 | 1.15 | B | 38 | 39CR-3-1-18 | 674.00 | 22,25,29,30 |
| 1.5 | 3600 | 56C | 82.5 | 85 | 208-230/460V | 4.1-3.7/1.85 | 1.15 | B | 45 | 39CR-3-1.5-36 | 731.00 | 22,25,29,30 |
| | 1800 | 56C | 82.5 | 72 | 208-230/460V | 5.1-4.6/2.3 | 1.15 | B | 45 | 39CR-3-1.5-18 | 736.00 | 22,25,29,30 |
| 2 | 3600 | 56C | 84 | 87 | 208-230/460V | 5.4-4.9/2.45 | 1.15 | B | 47 | 39CR-3-2-36 | 823.00 | 22,25,29,30 |
| | 1800 | 56C | 84 | 75 | 208-230/460V | 6.4-5.8/2.9 | 1.15 | B | 51 | 39CR-3-2-18 | 825.00 | 22,25,29,30 |
| 3 | 3600 | 56C | 80 | 83 | 208-230/460V | 8.4-7.6/3.8 | 1.15 | B | 51 | 39CR-3-3-36 | 948.00 | 22,25,29,30 |

Performance Data & Mounting Dimensions: 39C Series Page 97

^(a) See notes on inside back cover.



TC Frame Stainless Steel – 1-30 HP

3PH TEFC 60 Hz NEMA AC Foot Mounted Motors

Applications: Continuous duty motor designed to meet the severe sanitation requirements of food-grade and high pressure washdown applications in the pharmaceutical, food and beverage, processing and packaging industries.

Features

- Inverter Duty Rated: 3:1CT & 5:1VT
- Service Factor: 1.15
- Design: "B" or "C"
- Protection Degree: IP55
- Enclosure: TEFC
- VPI process applied for best electrical performance
- C-Face with or without feet
- Class "F" insulation with Class "B" rise
- PTC140 thermistors standard 180 frame and up
- Continuous duty
- Sealed bearings
- Squirrel cage rotor
- 300 series stainless steel construction
- 12-Gauge puddle welded base on footed motors
- Anti-corrosion coating applied
- DE and NDE drain holes every 90°
- F1 assembly
- CSA-US certified and CE marked
- 79 Series meets NEMA Premium[®] efficiency requirements
- Warranty: 1-Year

39 and 79 Series formerly branded as Elektrimax.
See page 1 for details.

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Footed Part Number | List Price | Notes ^(a) |
|-----|------|--------|------|----|--------------|------------------|----------------|-------------|------------|--------------------|------------|----------------------|
| 1 | 3600 | 143TC | 77 | 84 | 208-230/460V | 3.2-2.9/1.45 | 1.15 | B | 44 | 79F-3-1-36 | 755.00 | 22,25 |
| | 1800 | 143TC | 82.5 | 75 | 208-230/460V | 3.4-3.04/1.52 | 1.15 | C | 38 | 39F-3-1-18 | 621.00 | 22,25 |
| | | 143TC | 85.5 | 75 | 208-230/460V | 3.2-2.92/1.46 | 1.15 | B | 44 | 79F-3-1-18 | 755.00 | 22,25 |
| 1.5 | 3600 | 143TC | 84 | 84 | 208-230/460V | 4.4-3.98/1.99 | 1.15 | B | 53 | 79F-3-1.5-36 | 841.00 | 22,25 |
| | 1800 | 145TC | 86.5 | 79 | 208-230/460V | 4.6-4.12/2.06 | 1.15 | B | 53 | 79F-3-1.5-18 | 829.00 | 22,25 |
| 2 | 3600 | 145TC | 85.5 | 86 | 208-230/460V | 5.6-5.1/2.55 | 1.15 | B | 55 | 79F-3-2-36 | 987.00 | 22,25 |
| | 1800 | 145TC | 86.5 | 80 | 208-230/460V | 6-5.42/2.71 | 1.15 | B | 59 | 79F-3-2-18 | 974.00 | 22,25 |
| 3 | 3600 | 182TC | 86.5 | 87 | 208-230/460V | 8.2-7.46/3.73 | 1.15 | B | 98 | 79F-3-3-36 | 1,511.00 | 22,25 |
| | 1800 | 182TC | 89.5 | 80 | 208-230/460V | 8.7-7.84/3.92 | 1.15 | B | 100 | 79F-3-3-18 | 1,646.00 | 22,25 |
| 5 | 3600 | 184TC | 88.5 | 88 | 208-230/460V | 13.3-12.02/6.01 | 1.15 | B | 107 | 79F-3-5-36 | 1,653.00 | 22,25 |
| | 1800 | 184TC | 89.5 | 80 | 208-230/460V | 14.5-13.08/6.54 | 1.15 | B | 108 | 79F-3-5-18 | 1,862.00 | 22,25 |
| 7.5 | 3600 | 213TC | 89.7 | 89 | 208-230/460V | 19.5-17.64/8.82 | 1.15 | B | 159 | 79F-3-7.5-36 | 2,118.00 | 23,25 |
| | 1800 | 213TC | 91.7 | 84 | 208-230/460V | 20.2-18.24/9.12 | 1.15 | B | 171 | 79F-3-7.5-18 | 2,097.00 | 23,25 |
| 10 | 3600 | 215TC | 90.2 | 90 | 208-230/460V | 25.5-23.06/11.53 | 1.15 | B | 177 | 79F-3-10-36 | 2,321.00 | 23,25 |
| | 1800 | 215TC | 91.7 | 84 | 208-230/460V | 26.9-24.32/12.16 | 1.15 | B | 208 | 79F-3-10-18 | 2,289.00 | 23,25 |
| 15 | 3600 | 254TC | 91 | 89 | 208-230/460V | 38.3-34.68/17.34 | 1.15 | B | 271 | 79F-3-15-36 | 5,475.00 | 23,25 |
| | 1800 | 254TC | 92.4 | 83 | 208-230/460V | 40.5-36.62/18.31 | 1.15 | B | 296 | 79F-3-15-18 | 5,352.00 | 23,25 |
| 20 | 3600 | 256TC | 91 | 90 | 208-230/460V | 50.6-45.74/22.87 | 1.15 | B | 322 | 79F-3-20-36 | 5,723.00 | 23,25 |
| | 1800 | 256TC | 93 | 84 | 208-230/460V | 53-47.94/23.97 | 1.15 | B | 347 | 79F-3-20-18 | 5,600.00 | 23,25 |
| 25 | 3600 | 284TSC | 91.7 | 89 | 208-230/460V | 63.4-57.36/28.7 | 1.15 | B | 428 | 79F-3-25-36 | 7,053.00 | 23,25 |
| | 1800 | 284TC | 93.6 | 86 | 208-230/460V | 64.3-58.16/29.1 | 1.15 | B | 451 | 79F-3-25-18 | 6,929.00 | 23,25 |
| 30 | 3600 | 286TSC | 91.7 | 89 | 208-230/460V | 76.1-68.84/34.4 | 1.15 | B | 474 | 79F-3-30-36 | 7,301.00 | 23,25 |
| | 1800 | 286TC | 93.6 | 86 | 208-230/460V | 77.2-69.8/34.9 | 1.15 | B | 482 | 79F-3-30-18 | 7,177.00 | 23,25 |

Performance Data & Mounting Dimensions: 39 Series Page 98, 79 Series Pages 99-100

Premium Efficient Motors

Discontinued motors. Existing inventory while supplies last.

Non-stock item may be available in limited supply or by special order. Contact Elektrim at 855-Go-Elektrim or support@elektrimmotors.com for details.

^(a) See notes on inside back cover.



TC Frame Stainless Steel – 1-30 HP 3PH TEFC 60 Hz NEMA AC Round Body Motors

Applications: Continuous duty motor designed to meet the severe sanitation requirements of food-grade and high pressure washdown applications in the pharmaceutical, food and beverage, processing and packaging industries.

Features

- Inverter Duty Rated: 3:1CT & 5:1VT
- Service Factor: 1.15
- Design: "B" or "C"
- Protection Degree: IP55
- Enclosure: TEFC
- VPI process applied for best electrical performance
- C-Face with or without feet
- Class "F" insulation with Class "B" rise
- PTC140 thermistors standard 180 frame and up
- Continuous duty
- Sealed bearings
- Squirrel cage rotor
- 300 series stainless steel construction
- 12-Gauge puddle welded base on footed motors
- Anti-corrosion coating applied
- DE and NDE drain holes every 90°
- F1 assembly
- CSA-US certified and CE marked
- 79 Series meets NEMA Premium® efficiency requirements
- Warranty: 1-Year

39 and 79 Series formerly branded as Elektrimax.
 See page 1 for details.

| HP | RPM | Frame | EFF | PF | Voltage | Full Load Amps | Service Factor | NEMA Design | Net Weight | Round Body Part Number | List Price | Notes (a) |
|-----|------|--------|------|----|--------------|------------------|----------------|-------------|------------|------------------------|------------|-----------|
| 1 | 3600 | 143TC | 77 | 84 | 208-230/460V | 3.2-2.9/1.45 | 1.15 | B | 44 | 79R-3-1-36 | 755.00 | 22,25 |
| | 1800 | 143TC | 82.5 | 75 | 208-230/460V | 3.4-3.04/1.52 | 1.15 | C | 38 | 39R-3-1-18 | 621.00 | 22,25 |
| | | 143TC | 85.5 | 75 | 208-230/460V | 3.2-2.92/1.46 | 1.15 | B | 44 | 79R-3-1-18 | 755.00 | 22,25 |
| 1.5 | 3600 | 143TC | 84 | 84 | 208-230/460V | 4.4-3.98/1.99 | 1.15 | B | 53 | 79R-3-1.5-36 | 841.00 | 22,25 |
| | 1800 | 145TC | 86.5 | 79 | 208-230/460V | 4.6-4.12/2.06 | 1.15 | B | 53 | 79R-3-1.5-18 | 829.00 | 22,25 |
| 2 | 3600 | 145TC | 85.5 | 86 | 208-230/460V | 5.6-5.1/2.55 | 1.15 | B | 55 | 79R-3-2-36 | 987.00 | 22,25 |
| | 1800 | 145TC | 86.5 | 80 | 208-230/460V | 6-5.42/2.71 | 1.15 | B | 59 | 79R-3-2-18 | 974.00 | 22,25 |
| 3 | 3600 | 182TC | 86.5 | 87 | 208-230/460V | 8.2-7.46/3.73 | 1.15 | B | 98 | 79R-3-3-36 | 1,511.00 | 22,25 |
| | 1800 | 182TC | 89.5 | 80 | 208-230/460V | 8.7-7.84/3.92 | 1.15 | B | 100 | 79R-3-3-18 | 1,646.00 | 22,25 |
| 5 | 3600 | 184TC | 88.5 | 88 | 208-230/460V | 13.3-12.02/6.01 | 1.15 | B | 107 | 79R-3-5-36 | 1,653.00 | 22,25 |
| | 1800 | 184TC | 89.5 | 80 | 208-230/460V | 14.5-13.08/6.54 | 1.15 | B | 108 | 79R-3-5-18 | 1,862.00 | 22,25 |
| 7.5 | 3600 | 213TC | 89.7 | 89 | 208-230/460V | 19.5-17.64/8.82 | 1.15 | B | 159 | 79R-3-7.5-36 | 2,118.00 | 23,25 |
| | 1800 | 213TC | 91.7 | 84 | 208-230/460V | 20.2-18.24/9.12 | 1.15 | B | 171 | 79R-3-7.5-18 | 2,097.00 | 23,25 |
| 10 | 3600 | 215TC | 90.2 | 90 | 208-230/460V | 25.5-23.06/11.53 | 1.15 | B | 177 | 79R-3-10-36 | 2,321.00 | 23,25 |
| | 1800 | 215TC | 91.7 | 84 | 208-230/460V | 26.9-24.32/12.16 | 1.15 | B | 208 | 79R-3-10-18 | 2,289.00 | 23,25 |
| 15 | 3600 | 254TC | 91 | 89 | 208-230/460V | 38.3-34.68/17.34 | 1.15 | B | 271 | 79R-3-15-36 | 5,475.00 | 23,25 |
| | 1800 | 254TC | 92.4 | 83 | 208-230/460V | 40.5-36.62/18.31 | 1.15 | B | 296 | 79R-3-15-18 | 5,352.00 | 23,25 |
| 20 | 3600 | 256TC | 91 | 90 | 208-230/460V | 50.6-45.74/22.9 | 1.15 | B | 322 | 79R-3-20-36 | 5,723.00 | 23,25 |
| | | 256TC | 91 | 84 | 208-230/460V | 54.8-49.6/24.8 | 1.15 | C | 300 | 39R-3-20-18 | 4,955.00 | 23,25 |
| | 1800 | 256TC | 93 | 84 | 208-230/460V | 53-47.94/23.97 | 1.15 | B | 347 | 79R-3-20-18 | 5,600.00 | 23,25 |
| 25 | 3600 | 284TSC | 91.7 | 89 | 208-230/460V | 63.4-57.36/28.7 | 1.15 | B | 428 | 79R-3-25-36 | 7,053.00 | 23,25 |
| | 1800 | 284TC | 93.6 | 86 | 208-230/460V | 64.3-58.16/29.1 | 1.15 | B | 451 | 79R-3-25-18 | 6,929.00 | 23,25 |
| 30 | 3600 | 286TSC | 91.7 | 89 | 208-230/460V | 76.1-68.84/34.4 | 1.15 | B | 474 | 79R-3-30-36 | 7,301.00 | 23,25 |
| | 1800 | 286TC | 93.6 | 86 | 208-230/460V | 77.2-69.8/34.9 | 1.15 | B | 482 | 79R-3-30-18 | 7,177.00 | 23,25 |

Performance Data & Mounting Dimensions: 39 Series Page 98, 79 Series Pages 99-100

Premium Efficient Motors

Discontinued motors. Existing inventory while supplies last.

Non-stock item may be available in limited supply or by special order. Contact Elektrim at 855-Go-Elektrim or support@elektrimmotors.com for details.

(a) See notes on inside back cover.



ADVANCED CAPABILITIES

Voltage Flexibility

Possible Supply Voltages for NEMA and Metric IEC Motors

Elektrim 20, 40 and 60 series motors are dual rated for 60/50 Hz and can be re-rated, according to your application's needs, to a multitude of possible supply voltages.

Ordering Information: Motors are re-rated from stock models. All re-rate modifications should be priced using the motor list price and the \$109 re-rate list price, unless indicated otherwise. Re-rate modifications of standard stock products, including voltage, must be indicated on purchase order when ordering. Lead time for re-rates is (1) business day and is subject to availability of stock motors in the Schaumburg, Illinois Warehouse.

| 60 Hz Voltages |
|----------------|
| 208V |
| 230V |
| 380V |
| 400V |
| 460V |
| 480V |
| 575V |
| 600V |
| 796V |

| 50 Hz Voltages | |
|----------------|------|
| 190V | 415V |
| 200V | 440V |
| 220V | 500V |
| 230V | 525V |
| 240V | 660V |
| 380V | 690V |
| 400V | |



575V Performance Premium Efficient – 1-100 HP

3PH TEFC 60 Hz NEMA AC Foot Mounted and C-Face Motors

Ordering Information: Motors are re-rated from stock models to 575V. Lead time for re-rates is (1) business day and is subject to availability of stock motors in the Schaumburg, Illinois Warehouse.

| HP | RPM | Frame | Volt | Footed Part Number | Motor List Price | Notes (a) |
|-----|------|-------|------|--------------------|------------------|-----------|
| 1 | 1800 | 143T | 575V | 20NFM-3-1-18/575 | 599.00 | 33 |
| | 1200 | 145T | 575V | 20NFM-3-1-12/575 | 674.00 | 33 |
| 1.5 | 3600 | 143T | 575V | 20NFM-3-1.5-36/575 | 645.00 | 33 |
| | 1800 | 145T | 575V | 20NFM-3-1.5-18/575 | 632.00 | 33 |
| | 1200 | 182T | 575V | 20NFM-3-1.5-12/575 | 810.00 | 33 |
| 2 | 3600 | 145T | 575V | 20NFM-3-2-36/575 | 688.00 | 33 |
| | 1800 | 145T | 575V | 20NFM-3-2-18/575 | 684.00 | 33 |
| | 1200 | 184T | 575V | 20NFM-3-2-12/575 | 871.00 | 33 |
| 3 | 3600 | 182T | 575V | 20NFM-3-3-36/575 | 820.00 | 33 |
| | 1800 | 182T | 575V | 20NFM-3-3-18/575 | 754.00 | 33 |
| | 1200 | 213T | 575V | 20NFM-3-3-12/575 | 1,159.00 | 32 |
| 5 | 3600 | 184T | 575V | 20NFM-3-5-36/575 | 963.00 | 33 |
| | 1800 | 184T | 575V | 20NFM-3-5-18/575 | 866.00 | 33 |
| | 1200 | 215T | 575V | 20NFM-3-5-12/575 | 1,414.00 | 32 |
| 7.5 | 3600 | 213T | 575V | 20NFM-3-7.5-36/575 | 1,180.00 | 32 |
| | 1800 | 213T | 575V | 20NFM-3-7.5-18/575 | 1,155.00 | 32 |
| | 1200 | 254T | 575V | 20NFM-3-7.5-12/575 | 2,009.00 | 32 |
| 10 | 3600 | 215T | 575V | 20NFM-3-10-36/575 | 1,336.00 | 32 |
| | 1800 | 215T | 575V | 20NFM-3-10-18/575 | 1,325.00 | 32 |
| | 1200 | 256T | 575V | 20NFM-3-10-12/575 | 2,337.00 | 32 |
| 15 | 3600 | 254T | 575V | 20NFM-3-15-36/575 | 1,754.00 | 32 |
| | 1800 | 254T | 575V | 20NFM-3-15-18/575 | 1,846.00 | 32 |
| | 1200 | 284T | 575V | 20NFM-3-15-12/575 | 3,170.00 | 32 |
| 20 | 3600 | 256T | 575V | 20NFM-3-20-36/575 | 2,133.00 | 32 |
| | 1800 | 256T | 575V | 20NFM-3-20-18/575 | 2,178.00 | 32 |
| | 1200 | 286T | 575V | 20NFM-3-20-12/575 | 3,794.00 | 32 |
| 25 | 3600 | 284TS | 575V | 20NFM-3-25-36/575 | 2,617.00 | 32 |
| | 1800 | 284T | 575V | 20NFM-3-25-18/575 | 2,687.00 | 32 |
| | 1200 | 324T | 575V | 20NFM-3-25-12/575 | 4,845.00 | 32 |
| 30 | 3600 | 286TS | 575V | 20NFM-3-30-36/575 | 3,074.00 | 32 |
| | 1800 | 286T | 575V | 20NFM-3-30-18/575 | 3,106.00 | 32 |
| | 1200 | 326T | 575V | 20NFM-3-30-12/575 | 5,277.00 | 32 |
| 40 | 3600 | 324TS | 575V | 20NFM-3-40-36/575 | 5,182.00 | 32 |
| | 1800 | 324T | 575V | 20NFM-3-40-18/575 | 5,021.00 | 32 |
| | 1200 | 364T | 575V | 20NFM-3-40-12/575 | 6,904.00 | 32 |
| 50 | 3600 | 326TS | 575V | 20NFM-3-50-36/575 | 5,672.00 | 32 |
| | 1800 | 326T | 575V | 20NFM-3-50-18/575 | 5,476.00 | 32 |
| | 1200 | 365T | 575V | 20NFM-3-50-12/575 | 8,385.00 | 32 |
| 60 | 3600 | 364TS | 575V | 20NFM-3-60-36/575 | 7,531.00 | 32 |
| | 1800 | 364T | 575V | 20NFM-3-60-18/575 | 6,981.00 | 32 |
| | 1200 | 404T | 575V | 20NFM-3-60-12/575 | 9,871.00 | 32 |
| 75 | 3600 | 365TS | 575V | 20NFM-3-75-36/575 | 8,837.00 | 32 |
| | 1800 | 365T | 575V | 20NFM-3-75-18/575 | 8,379.00 | 32 |
| | 1200 | 405T | 575V | 20NFM-3-75-12/575 | 11,323.00 | 32 |
| 100 | 3600 | 405TS | 575V | 20NFM-3-100-36/575 | 10,903.00 | 32 |
| | 1800 | 405T | 575V | 20NFM-3-100-18/575 | 11,214.00 | 32 |
| | 1200 | 444T | 575V | 20NFM-3-100-12/575 | 14,646.00 | 32 |

| HP | RPM | Frame | Volt | C-Face Part Number | Motor List Price | Notes (a) |
|-----|------|--------|------|--------------------|------------------|-----------|
| 1 | 1800 | 143TC | 575V | 20NCM-3-1-18/575 | 640.00 | 33 |
| | 1200 | 145TC | 575V | 20NCM-3-1-12/575 | 721.00 | 33 |
| 1.5 | 3600 | 143TC | 575V | 20NCM-3-1.5-36/575 | 689.00 | 33 |
| | 1800 | 145TC | 575V | 20NCM-3-1.5-18/575 | 676.00 | 33 |
| | 1200 | 182TC | 575V | 20NCM-3-1.5-12/575 | 868.00 | 33 |
| 2 | 3600 | 145TC | 575V | 20NCM-3-2-36/575 | 736.00 | 33 |
| | 1800 | 145TC | 575V | 20NCM-3-2-18/575 | 732.00 | 33 |
| | 1200 | 184TC | 575V | 20NCM-3-2-12/575 | 934.00 | 33 |
| 3 | 3600 | 182TC | 575V | 20NCM-3-3-36/575 | 879.00 | 33 |
| | 1800 | 182TC | 575V | 20NCM-3-3-18/575 | 791.00 | 33 |
| | 1200 | 213TC | 575V | 20NCM-3-3-12/575 | 1,246.00 | 32 |
| 5 | 3600 | 184TC | 575V | 20NCM-3-5-36/575 | 1,034.00 | 33 |
| | 1800 | 184TC | 575V | 20NCM-3-5-18/575 | 928.00 | 33 |
| | 1200 | 215TC | 575V | 20NCM-3-5-12/575 | 1,523.00 | 32 |
| 7.5 | 3600 | 213TC | 575V | 20NCM-3-7.5-36/575 | 1,269.00 | 32 |
| | 1800 | 213TC | 575V | 20NCM-3-7.5-18/575 | 1,229.00 | 32 |
| | 1200 | 254TC | 575V | 20NCM-3-7.5-12/575 | 2,166.00 | 32 |
| 10 | 3600 | 215TC | 575V | 20NCM-3-10-36/575 | 1,438.00 | 32 |
| | 1800 | 215TC | 575V | 20NCM-3-10-18/575 | 1,419.00 | 32 |
| | 1200 | 256TC | 575V | 20NCM-3-10-12/575 | 2,522.00 | 32 |
| 15 | 3600 | 254TC | 575V | 20NCM-3-15-36/575 | 1,891.00 | 32 |
| | 1800 | 254TC | 575V | 20NCM-3-15-18/575 | 1,990.00 | 32 |
| | 1200 | 284TC | 575V | 20NCM-3-15-12/575 | 3,424.00 | 32 |
| 20 | 3600 | 256TC | 575V | 20NCM-3-20-36/575 | 2,301.00 | 32 |
| | 1800 | 256TC | 575V | 20NCM-3-20-18/575 | 2,350.00 | 32 |
| | 1200 | 286TC | 575V | 20NCM-3-20-12/575 | 4,099.00 | 32 |
| 25 | 3600 | 284TSC | 575V | 20NCM-3-25-36/575 | 2,825.00 | 32 |
| | 1800 | 284TC | 575V | 20NCM-3-25-18/575 | 2,901.00 | 32 |
| | 1200 | 324TC | 575V | 20NCM-3-25-12/575 | 5,238.00 | 32 |
| 30 | 3600 | 286TSC | 575V | 20NCM-3-30-36/575 | 3,320.00 | 32 |
| | 1800 | 286TC | 575V | 20NCM-3-30-18/575 | 3,355.00 | 32 |
| | 1200 | 326TC | 575V | 20NCM-3-30-12/575 | 5,705.00 | 32 |
| 40 | 3600 | 324TSC | 575V | 20NCM-3-40-36/575 | 5,603.00 | 32 |
| | 1800 | 324TC | 575V | 20NCM-3-40-18/575 | 5,428.00 | 32 |
| | 1200 | 364TC | 575V | 20NCM-3-40-12/575 | 7,468.00 | 32 |
| 50 | 3600 | 326TSC | 575V | 20NCM-3-50-36/575 | 6,134.00 | 32 |
| | 1800 | 326TC | 575V | 20NCM-3-50-18/575 | 5,922.00 | 32 |
| | 1200 | 365TC | 575V | 20NCM-3-50-12/575 | 9,072.00 | 32 |
| 60 | 3600 | 364TSC | 575V | 20NCM-3-60-36/575 | 8,147.00 | 32 |
| | 1800 | 364TC | 575V | 20NCM-3-60-18/575 | 7,551.00 | 32 |
| | 1200 | 404TC | 575V | 20NCM-3-60-12/575 | 10,681.00 | 32 |
| 75 | 3600 | 365TSC | 575V | 20NCM-3-75-36/575 | 9,561.00 | 32 |
| | 1800 | 365TC | 575V | 20NCM-3-75-18/575 | 9,065.00 | 32 |
| | 1200 | 405TC | 575V | 20NCM-3-75-12/575 | 12,254.00 | 32 |
| 100 | 3600 | 405TSC | 575V | 20NCM-3-100-36/575 | 11,799.00 | 32 |
| | 1800 | 405TC | 575V | 20NCM-3-100-18/575 | 12,135.00 | 32 |
| | 1200 | 444TC | 575V | 20NCM-3-100-12/575 | 15,852.00 | 32 |

For Standard Product Line Features and Specifications, visit pages 6-9.

Premium Efficient Motors

Motors can be modified from Footed to C-Face and vice versa.

(a) See notes on inside back cover.

575V Severe Duty Performance Premium Efficient – 1-100 HP

3PH TEFC 60 Hz NEMA AC Foot Mounted and C-Face Motors

Ordering Information: Motors are re-rated from stock models to 575V. Lead time for re-rates is (1) business day and is subject to availability of stock motors in the Schaumburg, Illinois Warehouse.

| HP | RPM | Frame | Volt | Footed Part Number | Motor List Price | Notes (a) |
|-----|------|-------|------|--------------------|------------------|-----------|
| 1 | 1800 | 143T | 575V | 60NFS-3-1-18/575 | 817.00 | 33 |
| | 1200 | 145T | 575V | 60NFS-3-1-12/575 | 906.00 | 33 |
| 1.5 | 3600 | 143T | 575V | 60NFS-3-1.5-36/575 | 824.00 | 33 |
| | 1800 | 145T | 575V | 60NFS-3-1.5-18/575 | 865.00 | 33 |
| | 1200 | 182T | 575V | 60NFS-3-1.5-12/575 | 986.00 | 33 |
| 2 | 3600 | 145T | 575V | 60NFS-3-2-36/575 | 866.00 | 33 |
| | 1800 | 145T | 575V | 60NFS-3-2-18/575 | 919.00 | 33 |
| | 1200 | 184T | 575V | 60NFS-3-2-12/575 | 1,022.00 | 33 |
| 3 | 3600 | 182T | 575V | 60NFS-3-3-36/575 | 947.00 | 33 |
| | 1800 | 182T | 575V | 60NFS-3-3-18/575 | 932.00 | 33 |
| | 1200 | 213T | 575V | 60NFS-3-3-12/575 | 1,290.00 | 32 |
| 5 | 3600 | 184T | 575V | 60NFS-3-5-36/575 | 1,088.00 | 33 |
| | 1800 | 184T | 575V | 60NFS-3-5-18/575 | 1,070.00 | 33 |
| | 1200 | 215T | 575V | 60NFS-3-5-12/575 | 1,726.00 | 32 |
| 7.5 | 3600 | 213T | 575V | 60NFS-3-7.5-36/575 | 1,466.00 | 32 |
| | 1800 | 213T | 575V | 60NFS-3-7.5-18/575 | 1,463.00 | 32 |
| | 1200 | 254T | 575V | 60NFS-3-7.5-12/575 | 2,212.00 | 32 |
| 10 | 3600 | 215T | 575V | 60NFS-3-10-36/575 | 1,670.00 | 32 |
| | 1800 | 215T | 575V | 60NFS-3-10-18/575 | 1,662.00 | 32 |
| | 1200 | 256T | 575V | 60NFS-3-10-12/575 | 2,643.00 | 32 |
| 15 | 3600 | 254T | 575V | 60NFS-3-15-36/575 | 2,118.00 | 32 |
| | 1800 | 254T | 575V | 60NFS-3-15-18/575 | 2,105.00 | 32 |
| | 1200 | 284T | 575V | 60NFS-3-15-12/575 | 3,477.00 | 32 |
| 20 | 3600 | 256T | 575V | 60NFS-3-20-36/575 | 2,502.00 | 32 |
| | 1800 | 256T | 575V | 60NFS-3-20-18/575 | 2,460.00 | 32 |
| | 1200 | 286T | 575V | 60NFS-3-20-12/575 | 4,217.00 | 32 |
| 25 | 3600 | 284T | 575V | 60NFS-3-25-36/575 | 2,969.00 | 32 |
| | 1800 | 284T | 575V | 60NFS-3-25-18/575 | 2,933.00 | 32 |
| | 1200 | 324T | 575V | 60NFS-3-25-12/575 | 5,767.00 | 32 |
| 30 | 3600 | 286T | 575V | 60NFS-3-30-36/575 | 3,568.00 | 32 |
| | 1800 | 286T | 575V | 60NFS-3-30-18/575 | 3,549.00 | 32 |
| | 1200 | 326T | 575V | 60NFS-3-30-12/575 | 5,848.00 | 32 |
| 40 | 3600 | 324T | 575V | 60NFS-3-40-36/575 | 5,832.00 | 32 |
| | 1800 | 324T | 575V | 60NFS-3-40-18/575 | 5,769.00 | 32 |
| | 1200 | 364T | 575V | 60NFS-3-40-12/575 | 7,570.00 | 32 |
| 50 | 3600 | 326T | 575V | 60NFS-3-50-36/575 | 6,201.00 | 32 |
| | 1800 | 326T | 575V | 60NFS-3-50-18/575 | 6,162.00 | 32 |
| | 1200 | 365T | 575V | 60NFS-3-50-12/575 | 8,856.00 | 32 |
| 60 | 3600 | 364T | 575V | 60NFS-3-60-36/575 | 8,009.00 | 32 |
| | 1800 | 364T | 575V | 60NFS-3-60-18/575 | 7,598.00 | 32 |
| | 1200 | 404T | 575V | 60NFS-3-60-12/575 | 10,765.00 | 32 |
| 75 | 3600 | 365T | 575V | 60NFS-3-75-36/575 | 9,489.00 | 32 |
| | 1800 | 365T | 575V | 60NFS-3-75-18/575 | 9,371.00 | 32 |
| | 1200 | 405T | 575V | 60NFS-3-75-12/575 | 12,207.00 | 32 |
| 100 | 3600 | 405T | 575V | 60NFS-3-100-36/575 | 12,050.00 | 32 |
| | 1800 | 405T | 575V | 60NFS-3-100-18/575 | 11,956.00 | 32 |
| | 1200 | 444T | 575V | 60NFS-3-100-12/575 | 15,426.00 | 32 |

| HP | RPM | Frame | Volt | C-Face Part Number | Motor List Price | Notes (a) |
|-----|------|--------|------|--------------------|------------------|-----------|
| 1 | 1800 | 143TC | 575V | 60NCS-3-1-18/575 | 884.00 | 33 |
| | 1200 | 145TC | 575V | 60NCS-3-1-12/575 | 981.00 | 33 |
| 1.5 | 3600 | 143TC | 575V | 60NCS-3-1.5-36/575 | 891.00 | 33 |
| | 1800 | 145TC | 575V | 60NCS-3-1.5-18/575 | 936.00 | 33 |
| | 1200 | 182TC | 575V | 60NCS-3-1.5-12/575 | 1,068.00 | 33 |
| 2 | 3600 | 145TC | 575V | 60NCS-3-2-36/575 | 937.00 | 33 |
| | 1800 | 145TC | 575V | 60NCS-3-2-18/575 | 995.00 | 33 |
| | 1200 | 184TC | 575V | 60NCS-3-2-12/575 | 1,107.00 | 33 |
| 3 | 3600 | 182TC | 575V | 60NCS-3-3-36/575 | 1,026.00 | 33 |
| | 1800 | 182TC | 575V | 60NCS-3-3-18/575 | 1,009.00 | 33 |
| | 1200 | 213TC | 575V | 60NCS-3-3-12/575 | 1,399.00 | 32 |
| 5 | 3600 | 184TC | 575V | 60NCS-3-5-36/575 | 1,179.00 | 33 |
| | 1800 | 184TC | 575V | 60NCS-3-5-18/575 | 1,160.00 | 33 |
| | 1200 | 215TC | 575V | 60NCS-3-5-12/575 | 1,875.00 | 32 |
| 7.5 | 3600 | 213TC | 575V | 60NCS-3-7.5-36/575 | 1,591.00 | 32 |
| | 1800 | 213TC | 575V | 60NCS-3-7.5-18/575 | 1,588.00 | 32 |
| | 1200 | 254TC | 575V | 60NCS-3-7.5-12/575 | 2,404.00 | 32 |
| 10 | 3600 | 215TC | 575V | 60NCS-3-10-36/575 | 1,814.00 | 32 |
| | 1800 | 215TC | 575V | 60NCS-3-10-18/575 | 1,805.00 | 32 |
| | 1200 | 256TC | 575V | 60NCS-3-10-12/575 | 2,874.00 | 32 |
| 15 | 3600 | 254TC | 575V | 60NCS-3-15-36/575 | 2,302.00 | 32 |
| | 1800 | 254TC | 575V | 60NCS-3-15-18/575 | 2,288.00 | 32 |
| | 1200 | 284TC | 575V | 60NCS-3-15-12/575 | 3,783.00 | 32 |
| 20 | 3600 | 256TC | 575V | 60NCS-3-20-36/575 | 2,720.00 | 32 |
| | 1800 | 256TC | 575V | 60NCS-3-20-18/575 | 2,675.00 | 32 |
| | 1200 | 286TC | 575V | 60NCS-3-20-12/575 | 4,590.00 | 32 |
| 25 | 3600 | 284TSC | 575V | 60NCS-3-25-36/575 | 3,230.00 | 32 |
| | 1800 | 284TC | 575V | 60NCS-3-25-18/575 | 3,190.00 | 32 |
| | 1200 | 324TC | 575V | 60NCS-3-25-12/575 | 6,279.00 | 32 |
| 30 | 3600 | 286TSC | 575V | 60NCS-3-30-36/575 | 3,882.00 | 32 |
| | 1800 | 286TC | 575V | 60NCS-3-30-18/575 | 3,862.00 | 32 |
| | 1200 | 326TC | 575V | 60NCS-3-30-12/575 | 6,368.00 | 32 |
| 40 | 3600 | 324TSC | 575V | 60NCS-3-40-36/575 | 6,350.00 | 32 |
| | 1800 | 324TC | 575V | 60NCS-3-40-18/575 | 6,282.00 | 32 |
| | 1200 | 364TC | 575V | 60NCS-3-40-12/575 | 8,245.00 | 32 |
| 50 | 3600 | 326TSC | 575V | 60NCS-3-50-36/575 | 6,752.00 | 32 |
| | 1800 | 326TC | 575V | 60NCS-3-50-18/575 | 6,710.00 | 32 |
| | 1200 | 365TC | 575V | 60NCS-3-50-12/575 | 9,646.00 | 32 |
| 60 | 3600 | 364TSC | 575V | 60NCS-3-60-36/575 | 8,723.00 | 32 |
| | 1800 | 364TC | 575V | 60NCS-3-60-18/575 | 8,275.00 | 32 |
| | 1200 | 404TC | 575V | 60NCS-3-60-12/575 | 11,727.00 | 32 |
| 75 | 3600 | 365TSC | 575V | 60NCS-3-75-36/575 | 10,336.00 | 32 |
| | 1800 | 365TC | 575V | 60NCS-3-75-18/575 | 10,208.00 | 32 |
| | 1200 | 405TC | 575V | 60NCS-3-75-12/575 | 13,299.00 | 32 |
| 100 | 3600 | 405TSC | 575V | 60NCS-3-100-36/575 | 13,128.00 | 32 |
| | 1800 | 405TC | 575V | 60NCS-3-100-18/575 | 13,025.00 | 32 |
| | 1200 | 444TC | 575V | 60NCS-3-100-12/575 | 16,808.00 | 32 |

For Standard Product Line Features and Specifications, visit pages 16-19.

Premium Efficient Motors

Motors can be modified from Footed to C-Face and vice versa.

(a) See notes on inside back cover.

575V IEC Frame Metric Motors – 4-220 HP

3PH TEFC 60 Hz AC B3 Foot Mounted, B35 D-Flange and B34 C-Face Motors

Ordering Information: Motors are re-rated from stock models to 575V. Lead time for re-rates is (1) business day and is subject to availability of stock motors in the Schaumburg, Illinois Warehouse.

| HP | kW | RPM | Frame | Volt | Footed B3 Part Number | Motor List Price | Notes (a) |
|-----|------|------|-------|------|-----------------------|------------------|-----------|
| 4 | 3 | 1200 | 132S | 575V | 20MFM-3-4-12/575 | 1,607.00 | 32 |
| 5.5 | 4 | 1200 | 132M | 575V | 20MFM-3-5.5-12/575 | 1,616.00 | 32 |
| 7.5 | 5.5 | 3600 | 132S | 575V | 20MFM-3-7.5-36/575 | 1,259.00 | 32 |
| | | 1800 | 132S | 575V | 20MFM-3-7.5-18/575 | 1,417.00 | 32 |
| | | 1200 | 132M | 575V | 20MFM-3-7.5-12/575 | 2,557.00 | 32 |
| 10 | 7.5 | 3600 | 132S | 575V | 20MFM-3-10-36/575 | 1,411.00 | 32 |
| | | 1800 | 132M | 575V | 20MFM-3-10-18/575 | 1,612.00 | 32 |
| | | 1200 | 160M | 575V | 20MFM-3-10-12/575 | 2,645.00 | 32 |
| 15 | 11 | 3600 | 160M | 575V | 20MFM-3-15-36/575 | 1,924.00 | 32 |
| | | 1800 | 160M | 575V | 20MFM-3-15-18/575 | 1,971.00 | 32 |
| | | 1200 | 160L | 575V | 20MFM-3-15-12/575 | 3,119.00 | 32 |
| 20 | 15 | 3600 | 160M | 575V | 20MFM-3-20-36/575 | 2,259.00 | 32 |
| | | 1800 | 160L | 575V | 20MFM-3-20-18/575 | 2,345.00 | 32 |
| | | 1200 | 180L | 575V | 20MFM-3-20-12/575 | 3,731.00 | 32 |
| 25 | 18.5 | 3600 | 160L | 575V | 20MFM-3-25-36/575 | 2,703.00 | 32 |
| | | 1800 | 180M | 575V | 20MFM-3-25-18/575 | 2,835.00 | 32 |
| | | 1200 | 200L | 575V | 20MFM-3-25-12/575 | 5,954.00 | 32 |
| 30 | 22 | 3600 | 180M | 575V | 20MFM-3-30-36/575 | 3,239.00 | 32 |
| | | 1800 | 180L | 575V | 20MFM-3-30-18/575 | 3,505.00 | 32 |
| | | 1200 | 200L | 575V | 20MFM-3-30-12/575 | 6,260.00 | 32 |
| 40 | 30 | 3600 | 200L | 575V | 20MFM-3-40-36/575 | 7,384.00 | 32 |
| | | 1800 | 200L | 575V | 20MFM-3-40-18/575 | 6,091.00 | 32 |
| | | 1200 | 225M | 575V | 20MFM-3-40-12/575 | 8,061.00 | 32 |
| 50 | 37 | 3600 | 200L | 575V | 20MFM-3-50-36/575 | 8,118.00 | 32 |
| | | 1800 | 225S | 575V | 20MFM-3-50-18/575 | 7,775.00 | 32 |
| | | 1200 | 250M | 575V | 20MFM-3-50-12/575 | 10,067.00 | 32 |
| 60 | 45 | 3600 | 225M | 575V | 20MFM-3-60-36/575 | 8,942.00 | 32 |
| | | 1800 | 225M | 575V | 20MFM-3-60-18/575 | 8,805.00 | 32 |
| | | 1200 | 280S | 575V | 20MFM-3-60-12/575 | 13,604.00 | 32 |
| 75 | 55 | 3600 | 250M | 575V | 20MFM-3-75-36/575 | 11,566.00 | 32 |
| | | 1800 | 250M | 575V | 20MFM-3-75-18/575 | 9,813.00 | 32 |
| | | 1200 | 280M | 575V | 20MFM-3-75-12/575 | 14,549.00 | 32 |
| 100 | 75 | 3600 | 280S | 575V | 20MFM-3-100-36/575 | 12,912.00 | 32 |
| | | 1800 | 280S | 575V | 20MFM-3-100-18/575 | 12,870.00 | 32 |
| | | 1200 | 315S | 575V | 20MFM-3-100-12/575 | 19,982.00 | 32 |
| 125 | 90 | 3600 | 280M | 575V | 20MFM-3-125-36/575 | 15,704.00 | 32 |
| | | 1800 | 280M | 575V | 20MFM-3-125-18/575 | 13,884.00 | 32 |
| | | 1200 | 315M | 575V | 20MFM-3-125-12/575 | 22,205.00 | 32 |
| 150 | 110 | 1800 | 315M | 575V | 20MFM-3-150-18/575 | 19,692.00 | 32 |
| 220 | 160 | 1800 | 315M | 575V | 20MFM-3-220-18/575 | 27,362.00 | 32 |

| HP | kW | RPM | Frame | Volt | C-Face B34 Part Number | Motor List Price | Notes (a) |
|-----|-----|------|-------|------|------------------------|------------------|-----------|
| 4 | 3 | 1200 | 132S | 575V | 20MCM-3-4-12/575 | 1,742.00 | 32 |
| 5.5 | 4 | 1200 | 132M | 575V | 20MCM-3-5.5-12/575 | 1,752.00 | 32 |
| 7.5 | 5.5 | 3600 | 132S | 575V | 20MCM-3-7.5-36/575 | 1,363.00 | 32 |
| | | 1800 | 132S | 575V | 20MCM-3-7.5-18/575 | 1,535.00 | 32 |
| | | 1200 | 132M | 575V | 20MCM-3-7.5-12/575 | 2,777.00 | 32 |
| 10 | 7.5 | 3600 | 132S | 575V | 20MCM-3-10-36/575 | 1,528.00 | 32 |
| | | 1800 | 132M | 575V | 20MCM-3-10-18/575 | 1,747.00 | 32 |
| | | 1200 | 160M | 575V | 20MCM-3-10-12/575 | 2,873.00 | 32 |

| HP | kW | RPM | Frame | Volt | D-Flange B35 Part Number | Motor List Price | Notes (a) |
|-----|------|------|-------|------|--------------------------|------------------|-----------|
| 4 | 3 | 1200 | 132S | 575V | 20MDM-3-4-12/575 | 1,742.00 | 32 |
| 5.5 | 4 | 1200 | 132M | 575V | 20MDM-3-5.5-12/575 | 1,752.00 | 32 |
| 7.5 | 5.5 | 3600 | 132S | 575V | 20MDM-3-7.5-36/575 | 1,363.00 | 32 |
| | | 1800 | 132S | 575V | 20MDM-3-7.5-18/575 | 1,535.00 | 32 |
| | | 1200 | 132M | 575V | 20MDM-3-7.5-12/575 | 2,777.00 | 32 |
| 10 | 7.5 | 3600 | 132S | 575V | 20MDM-3-10-36/575 | 1,528.00 | 32 |
| | | 1800 | 132M | 575V | 20MDM-3-10-18/575 | 1,747.00 | 32 |
| | | 1200 | 160M | 575V | 20MDM-3-10-12/575 | 2,873.00 | 32 |
| 15 | 11 | 3600 | 160M | 575V | 20MDM-3-15-36/575 | 2,087.00 | 32 |
| | | 1800 | 160M | 575V | 20MDM-3-15-18/575 | 2,139.00 | 32 |
| | | 1200 | 160L | 575V | 20MDM-3-15-12/575 | 3,390.00 | 32 |
| 20 | 15 | 3600 | 160M | 575V | 20MDM-3-20-36/575 | 2,453.00 | 32 |
| | | 1800 | 160L | 575V | 20MDM-3-20-18/575 | 2,546.00 | 32 |
| | | 1200 | 180L | 575V | 20MDM-3-20-12/575 | 4,057.00 | 32 |
| 25 | 18.5 | 3600 | 160L | 575V | 20MDM-3-25-36/575 | 2,936.00 | 32 |
| | | 1800 | 180M | 575V | 20MDM-3-25-18/575 | 3,080.00 | 32 |
| | | 1200 | 200L | 575V | 20MDM-3-25-12/575 | 6,480.00 | 32 |
| 30 | 22 | 3600 | 180M | 575V | 20MDM-3-30-36/575 | 3,521.00 | 32 |
| | | 1800 | 180L | 575V | 20MDM-3-30-18/575 | 3,811.00 | 32 |
| | | 1200 | 200L | 575V | 20MDM-3-30-12/575 | 6,814.00 | 32 |
| 40 | 30 | 3600 | 200L | 575V | 20MDM-3-40-36/575 | 8,039.00 | 32 |
| | | 1800 | 200L | 575V | 20MDM-3-40-18/575 | 6,629.00 | 32 |
| | | 1200 | 225M | 575V | 20MDM-3-40-12/575 | 8,777.00 | 32 |
| 50 | 37 | 3600 | 200L | 575V | 20MDM-3-50-36/575 | 8,839.00 | 32 |
| | | 1800 | 225S | 575V | 20MDM-3-50-18/575 | 8,465.00 | 32 |
| | | 1200 | 250M | 575V | 20MDM-3-50-12/575 | 10,963.00 | 32 |
| 60 | 45 | 3600 | 225M | 575V | 20MDM-3-60-36/575 | 9,737.00 | 32 |
| | | 1800 | 225M | 575V | 20MDM-3-60-18/575 | 9,588.00 | 32 |
| | | 1200 | 280S | 575V | 20MDM-3-60-12/575 | 14,819.00 | 32 |
| 75 | 55 | 3600 | 250M | 575V | 20MDM-3-75-36/575 | 12,597.00 | 32 |
| | | 1800 | 250M | 575V | 20MDM-3-75-18/575 | 10,686.00 | 32 |
| | | 1200 | 280M | 575V | 20MDM-3-75-12/575 | 15,849.00 | 32 |
| 100 | 75 | 3600 | 280S | 575V | 20MDM-3-100-36/575 | 14,064.00 | 32 |
| | | 1800 | 280S | 575V | 20MDM-3-100-18/575 | 14,018.00 | 32 |
| | | 1200 | 315S | 575V | 20MDM-3-100-12/575 | 21,771.00 | 32 |
| 125 | 90 | 3600 | 280M | 575V | 20MDM-3-125-36/575 | 17,108.00 | 32 |
| | | 1800 | 280M | 575V | 20MDM-3-125-18/575 | 15,124.00 | 32 |
| | | 1200 | 315M | 575V | 20MDM-3-125-12/575 | 24,194.00 | 32 |
| 150 | 110 | 1800 | 315M | 575V | 20MDM-3-150-18/575 | 21,454.00 | 32 |
| 220 | 160 | 1800 | 315M | 575V | 20MDM-3-220-18/575 | 29,815.00 | 32 |

| HP | kW | RPM | Frame | Volt | C-Face B34 Part Number | Motor List Price | Notes (a) |
|----|----|------|-------|------|------------------------|------------------|-----------|
| 15 | 11 | 3600 | 160M | 575V | 20MCM-3-15-36/575 | 2,087.00 | 32 |
| | | 1800 | 160M | 575V | 20MCM-3-15-18/575 | 2,139.00 | 32 |
| | | 1200 | 160L | 575V | 20MCM-3-15-12/575 | 3,390.00 | 32 |
| 20 | 15 | 3600 | 160M | 575V | 20MCM-3-20-36/575 | 2,453.00 | 32 |
| | | 1800 | 160L | 575V | 20MCM-3-20-18/575 | 2,546.00 | 32 |

Premium Efficient Motors

Motors can be modified from Footed to C-Face or D-Flange and vice versa.

(a) See notes on inside back cover.

For Standard Product Line Features and Specifications, visit pages 20-25.

575V JM & JP Close Coupled Pump – 1-60 HP

3PH TEFC 60 Hz NEMA AC C-Face Footed Motors

Ordering Information: Motors are re-rated from stock models to 575V. Lead time for re-rates is (1) business day and is subject to availability of stock motors in the Schaumburg, Illinois Warehouse.

| HP | RPM | Frame | Volt | JM Part Number | Motor List Price | Notes (a) |
|-----|------|-------|------|-------------------|------------------|-----------|
| 1 | 1800 | 143JM | 575V | 20JM-3-1-18/575 | 701.00 | 33 |
| | 3600 | 143JM | 575V | 20JM-3-1.5-36/575 | 710.00 | 33 |
| 1.5 | 1800 | 145JM | 575V | 20JM-3-1.5-18/575 | 714.00 | 33 |
| | 3600 | 145JM | 575V | 20JM-3-2-36/575 | 757.00 | 33 |
| 2 | 1800 | 145JM | 575V | 20JM-3-2-18/575 | 819.00 | 33 |
| | 3600 | 182JM | 575V | 20JM-3-3-36/575 | 916.00 | 33 |
| 3 | 1800 | 182JM | 575V | 20JM-3-3-18/575 | 927.00 | 33 |
| | 3600 | 184JM | 575V | 20JM-3-5-36/575 | 1,107.00 | 33 |
| 5 | 1800 | 184JM | 575V | 20JM-3-5-18/575 | 1,086.00 | 33 |
| | 3600 | 213JM | 575V | 20JM-3-7.5-36/575 | 1,290.00 | 32 |
| 7.5 | 1800 | 213JM | 575V | 20JM-3-7.5-18/575 | 1,400.00 | 32 |
| | 3600 | 215JM | 575V | 20JM-3-10-36/575 | 1,482.00 | 32 |
| 10 | 1800 | 215JM | 575V | 20JM-3-10-18/575 | 1,630.00 | 32 |
| | 3600 | 254JM | 575V | 20JM-3-15-36/575 | 1,977.00 | 32 |
| 15 | 1800 | 254JM | 575V | 20JM-3-15-18/575 | 2,028.00 | 32 |
| | 3600 | 256JM | 575V | 20JM-3-20-36/575 | 2,407.00 | 32 |
| 20 | 1800 | 256JM | 575V | 20JM-3-20-18/575 | 2,423.00 | 32 |
| | 3600 | 284JM | 575V | 20JM-3-25-36/575 | 2,957.00 | 32 |
| 25 | 1800 | 284JM | 575V | 20JM-3-25-18/575 | 2,925.00 | 32 |
| | 3600 | 286JM | 575V | 20JM-3-30-36/575 | 3,476.00 | 32 |
| 30 | 1800 | 286JM | 575V | 20JM-3-30-18/575 | 3,684.00 | 32 |
| | 3600 | 324JM | 575V | 20JM-3-40-36/575 | 6,309.00 | 32 |
| 40 | 1800 | 324JM | 575V | 20JM-3-40-18/575 | 6,814.00 | 32 |
| | 3600 | 326JM | 575V | 20JM-3-50-36/575 | 6,631.00 | 32 |
| 50 | 1800 | 326JM | 575V | 20JM-3-50-18/575 | 7,297.00 | 32 |
| | 3600 | 364JM | 575V | 20JM-3-60-36/575 | 8,577.00 | 32 |
| 60 | 1800 | 364JM | 575V | 20JM-3-60-18/575 | 8,621.00 | 32 |

| HP | RPM | Frame | Volt | JP Part Number | Motor List Price | Notes (a) |
|-----|------|-------|------|-------------------|------------------|-----------|
| 1 | 1800 | 143JP | 575V | 20JP-3-1-18/575 | 719.00 | 33 |
| | 3600 | 143JP | 575V | 20JP-3-1.5-36/575 | 728.00 | 33 |
| 1.5 | 1800 | 145JP | 575V | 20JP-3-1.5-18/575 | 776.00 | 33 |
| | 3600 | 145JP | 575V | 20JP-3-2-36/575 | 777.00 | 33 |
| 2 | 1800 | 145JP | 575V | 20JP-3-2-18/575 | 840.00 | 33 |
| | 3600 | 182JP | 575V | 20JP-3-3-36/575 | 941.00 | 33 |
| 3 | 1800 | 182JP | 575V | 20JP-3-3-18/575 | 952.00 | 33 |
| | 3600 | 184JP | 575V | 20JP-3-5-36/575 | 1,137.00 | 33 |
| 5 | 1800 | 184JP | 575V | 20JP-3-5-18/575 | 1,116.00 | 33 |
| | 3600 | 213JP | 575V | 20JP-3-7.5-36/575 | 1,325.00 | 32 |
| 7.5 | 1800 | 213JP | 575V | 20JP-3-7.5-18/575 | 1,439.00 | 32 |
| | 3600 | 215JP | 575V | 20JP-3-10-36/575 | 1,523.00 | 32 |
| 10 | 1800 | 215JP | 575V | 20JP-3-10-18/575 | 1,675.00 | 32 |
| | 3600 | 254JP | 575V | 20JP-3-15-36/575 | 2,033.00 | 32 |
| 15 | 1800 | 254JP | 575V | 20JP-3-15-18/575 | 2,086.00 | 32 |
| | 3600 | 256JP | 575V | 20JP-3-20-36/575 | 2,476.00 | 32 |
| 20 | 1800 | 256JP | 575V | 20JP-3-20-18/575 | 2,492.00 | 32 |
| | 3600 | 284JP | 575V | 20JP-3-25-36/575 | 3,042.00 | 32 |
| 25 | 1800 | 284JP | 575V | 20JP-3-25-18/575 | 3,009.00 | 32 |
| | 3600 | 286JP | 575V | 20JP-3-30-36/575 | 3,577.00 | 32 |
| 30 | 1800 | 286JP | 575V | 20JP-3-30-18/575 | 3,792.00 | 32 |
| | 3600 | 324JP | 575V | 20JP-3-40-36/575 | 6,308.00 | 32 |
| 40 | 1800 | 324JP | 575V | 20JP-3-40-18/575 | 6,814.00 | 32 |
| | 3600 | 326JP | 575V | 20JP-3-50-36/575 | 6,633.00 | 32 |
| 50 | 1800 | 326JP | 575V | 20JP-3-50-18/575 | 7,299.00 | 32 |
| | 3600 | 364JP | 575V | 20JP-3-60-36/575 | 8,576.00 | 32 |
| 60 | 1800 | 364JP | 575V | 20JP-3-60-18/575 | 8,621.00 | 32 |

For Standard Product Line Features and Specifications, visit pages 30-31.

Premium Efficient Motors

Non-stock item may be available in limited supply or by special order. Contact Elektrim at 855-Go-Elektrim or support@elektrimmotors.com for details. Motors can be modified from Footed to C-Face and vice versa.

(a) See notes on inside back cover.

575V Brake Motor – 1-30 HP

3PH TEFC 60 Hz NEMA AC Foot Mounted and C-Face Motors

Ordering Information: Motors are re-rated from stock models to 575V. Lead time for re-rates is (1) business day and is subject to availability of stock motors in the Schaumburg, Illinois Warehouse.

| HP | RPM | Frame | Volt | Footed Part Number | Motor List Price | Notes (a) |
|-----|------|-------|------|--------------------|------------------|-----------|
| 1 | 1800 | 143T | 575V | 20NFB-3-1-18/575 | 1,605.00 | 33,34 |
| | 1200 | 145T | 575V | 20NFB-3-1-12/575 | 1,649.00 | 33,34 |
| 1.5 | 3600 | 143T | 575V | 20NFB-3-1.5-36/575 | 1,562.00 | 33,34 |
| | 1800 | 145T | 575V | 20NFB-3-1.5-18/575 | 1,652.00 | 33,34 |
| | 1200 | 182T | 575V | 20NFB-3-1.5-12/575 | 2,178.00 | 33,34 |
| 2 | 3600 | 145T | 575V | 20NFB-3-2-36/575 | 1,621.00 | 33,34 |
| | 1800 | 145T | 575V | 20NFB-3-2-18/575 | 1,691.00 | 33,34 |
| | 1200 | 184T | 575V | 20NFB-3-2-12/575 | 2,331.00 | 33,34 |
| 3 | 3600 | 182T | 575V | 20NFB-3-3-36/575 | 2,121.00 | 33,34 |
| | 1800 | 182T | 575V | 20NFB-3-3-18/575 | 2,268.00 | 33,34 |
| | 1200 | 213T | 575V | 20NFB-3-3-12/575 | 2,711.00 | 32,34 |
| 5 | 3600 | 184T | 575V | 20NFB-3-5-36/575 | 2,382.00 | 33,34 |
| | 1800 | 184T | 575V | 20NFB-3-5-18/575 | 2,457.00 | 33,34 |
| | 1200 | 215T | 575V | 20NFB-3-5-12/575 | 3,065.00 | 32,34 |
| 7.5 | 3600 | 213T | 575V | 20NFB-3-7.5-36/575 | 2,836.00 | 32,34 |
| | 1800 | 213T | 575V | 20NFB-3-7.5-18/575 | 3,057.00 | 32,34 |
| | 1200 | 254T | 575V | 20NFB-3-7.5-12/575 | 4,140.00 | 32,34 |
| 10 | 3600 | 215T | 575V | 20NFB-3-10-36/575 | 3,082.00 | 32,34 |
| | 1800 | 215T | 575V | 20NFB-3-10-18/575 | 3,104.00 | 32,34 |
| | 1200 | 256T | 575V | 20NFB-3-10-12/575 | 4,221.00 | 32,34 |
| 15 | 3600 | 254T | 575V | 20NFB-3-15-36/575 | 4,145.00 | 32,34 |
| | 1800 | 254T | 575V | 20NFB-3-15-18/575 | 4,421.00 | 32,34 |
| | 1200 | 284T | 575V | 20NFB-3-15-12/575 | 5,543.00 | 32,34 |
| 20 | 3600 | 256T | 575V | 20NFB-3-20-36/575 | 4,499.00 | 32,34 |
| | 1800 | 256T | 575V | 20NFB-3-20-18/575 | 4,925.00 | 32,34 |
| | 1200 | 286T | 575V | 20NFB-3-20-12/575 | 6,325.00 | 32,34 |
| 25 | 3600 | 284TS | 575V | 20NFB-3-25-36/575 | 5,069.00 | 32,34 |
| | 1800 | 284T | 575V | 20NFB-3-25-18/575 | 5,845.00 | 32,34 |
| 30 | 3600 | 286TS | 575V | 20NFB-3-30-36/575 | 5,566.00 | 32,34 |
| | 1800 | 286T | 575V | 20NFB-3-30-18/575 | 6,078.00 | 32,34 |

| HP | RPM | Frame | Volt | C-Face Part Number | Motor List Price | Notes (a) |
|-----|------|--------|------|--------------------|------------------|-----------|
| 1 | 1800 | 143TC | 575V | 20NCB-3-1-18/575 | 1,740.00 | 33,34 |
| | 1200 | 145TC | 575V | 20NCB-3-1-12/575 | 1,787.00 | 33,34 |
| 1.5 | 3600 | 143TC | 575V | 20NCB-3-1.5-36/575 | 1,693.00 | 33,34 |
| | 1800 | 145TC | 575V | 20NCB-3-1.5-18/575 | 1,791.00 | 33,34 |
| | 1200 | 182TC | 575V | 20NCB-3-1.5-12/575 | 2,365.00 | 33,34 |
| 2 | 3600 | 145TC | 575V | 20NCB-3-2-36/575 | 1,757.00 | 33,34 |
| | 1800 | 145TC | 575V | 20NCB-3-2-18/575 | 1,834.00 | 33,34 |
| | 1200 | 184TC | 575V | 20NCB-3-2-12/575 | 2,531.00 | 33,34 |
| 3 | 3600 | 182TC | 575V | 20NCB-3-3-36/575 | 2,302.00 | 33,34 |
| | 1800 | 182TC | 575V | 20NCB-3-3-18/575 | 2,462.00 | 33,34 |
| | 1200 | 213TC | 575V | 20NCB-3-3-12/575 | 2,945.00 | 32,34 |
| 5 | 3600 | 184TC | 575V | 20NCB-3-5-36/575 | 2,587.00 | 33,34 |
| | 1800 | 184TC | 575V | 20NCB-3-5-18/575 | 2,669.00 | 33,34 |
| | 1200 | 215TC | 575V | 20NCB-3-5-12/575 | 3,331.00 | 32,34 |
| 7.5 | 3600 | 213TC | 575V | 20NCB-3-7.5-36/575 | 3,081.00 | 32,34 |
| | 1800 | 213TC | 575V | 20NCB-3-7.5-18/575 | 3,323.00 | 32,34 |
| | 1200 | 254TC | 575V | 20NCB-3-7.5-12/575 | 4,503.00 | 32,34 |
| 10 | 3600 | 215TC | 575V | 20NCB-3-10-36/575 | 3,350.00 | 32,34 |
| | 1800 | 215TC | 575V | 20NCB-3-10-18/575 | 3,374.00 | 32,34 |
| | 1200 | 256TC | 575V | 20NCB-3-10-12/575 | 4,592.00 | 32,34 |
| 15 | 3600 | 254TC | 575V | 20NCB-3-15-36/575 | 4,508.00 | 32,34 |
| | 1800 | 254TC | 575V | 20NCB-3-15-18/575 | 4,810.00 | 32,34 |
| | 1200 | 284TC | 575V | 20NCB-3-15-12/575 | 6,032.00 | 32,34 |
| 20 | 3600 | 256TC | 575V | 20NCB-3-20-36/575 | 4,894.00 | 32,34 |
| | 1800 | 256TC | 575V | 20NCB-3-20-18/575 | 5,359.00 | 32,34 |
| | 1200 | 286TC | 575V | 20NCB-3-20-12/575 | 6,885.00 | 32,34 |
| 25 | 3600 | 284TSC | 575V | 20NCB-3-25-36/575 | 5,516.00 | 32,34 |
| | 1800 | 284TC | 575V | 20NCB-3-25-18/575 | 6,361.00 | 32,34 |
| 30 | 3600 | 286TSC | 575V | 20NCB-3-30-36/575 | 6,058.00 | 32,34 |
| | 1800 | 286TC | 575V | 20NCB-3-30-18/575 | 6,615.00 | 32,34 |

For Standard Product Line Features and Specifications, visit pages 35-36.

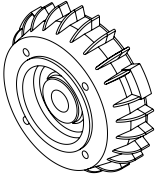
Premium Efficient Motors

Some limited discontinued EPACT motors available while supplies last. Contact Elektrim at 855-Go-Elektrim or support@elektrimmotors.com for details. Motors can be modified from Footed to C-Face and vice versa.

(a) See notes on inside back cover.

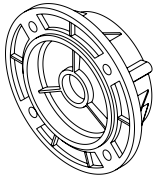
Premium Motor Spare Parts

Spare part number is applicable for **Motor Series** designated in column header. Series is indicated by motor prefix.



Premium C-Flanges

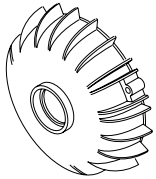
| Frame | 20N Series Part Number | List Price | 31N Series Part Number | List Price | 32N Series Part Number | List Price |
|--------|------------------------|------------|------------------------|------------|------------------------|------------|
| 140TC | 22C-FLA-140 | 185.00 | 45C-FLA-140 | 233.00 | 46C-FLA-140 | 135.00 |
| 180TC | 22C-FLA-180 | 222.00 | 45C-FLA-180 | 233.00 | 46C-FLA-180 | 215.00 |
| 210TC | 22C-FLA-210 | 259.00 | 45C-FLA-210 | 389.00 | 46C-FLA-210 | 256.00 |
| 250TC | 22C-FLA-250 | 407.00 | 45C-FLA-250 | 699.00 | 46C-FLA-250 | 430.00 |
| 280TC | 22C-FLA-280 | 518.00 | 45C-FLA-280 | 1,010.00 | 46C-FLA-280 | 524.00 |
| 320TC | 22C-FLA-320 | 1,214.00 | 45C-FLA-320 | 1,243.00 | 46C-FLA-320 | 820.00 |
| 360TC | 22C-FLA-360 | 1,354.00 | 45C-FLA-360 | 1,797.00 | 46C-FLA-360 | 1,290.00 |
| 400TC | 22C-FLA-400 | 1,539.00 | | | 46C-FLA-400 | 1,759.00 |
| 440TC | 22C-FLA-440T | 2,376.00 | | | 46C-FLA-445T | 2,229.00 |
| 440TSC | 22C-FLA-440TS | 2,376.00 | | | 46C-FLA-440TS | 2,229.00 |
| 449TC | | | | | 46C-FLA-449T | 2,229.00 |



Premium D-Flanges

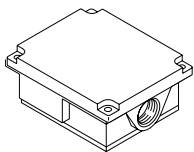
| Frame | 20N Series Part Number | List Price |
|-------|------------------------|------------|
| 320TD | 22D-FLA-320 | 1,214.00 |
| 360TD | 22D-FLA-360 | 1,332.00 |
| 400TD | 22D-FLA-400 | 1,504.00 |
| 440TD | 22D-FLA-440T | 2,244.00 |

| Frame | 31N Series Part Number | List Price |
|-------|------------------------|------------|
| 140TD | 45D-FLA-140 | 233.00 |
| 180TD | 45D-FLA-180 | 233.00 |
| 210TD | 45D-FLA-210 | 389.00 |
| 250TD | 45D-FLA-250 | 699.00 |
| 280TD | 45D-FLA-280 | 1,010.00 |
| 320TD | 45D-FLA-320 | 1,243.00 |
| 360TD | 45D-FLA-360 | 1,582.00 |



Premium Drive End Brackets

| Frame | 20N Series Part Number | List Price | 31N Series Part Number | List Price | 32N Series Part Number | List Price |
|-------|------------------------|------------|------------------------|------------|------------------------|------------|
| 140T | 22BR-D-140 | 111.00 | 45BR-D-140 | 233.00 | 46BR-D-140 | 129.00 |
| 180T | 22BR-D-180 | 126.00 | 45BR-D-180 | 233.00 | 46BR-D-180 | 207.00 |
| 210T | 22BR-D-210 | 163.00 | 45BR-D-210 | 389.00 | 46BR-D-210 | 256.00 |
| 250T | 22BR-D-250 | 222.00 | 45BR-D-250 | 699.00 | 46BR-D-250 | 427.00 |
| 280T | 22BR-D-280 | 281.00 | 45BR-D-280 | 1,010.00 | 46BR-D-280 | 516.00 |
| 320T | 22BR-D-320 | 525.00 | 45BR-D-320 | 1,243.00 | 46BR-D-320 | 820.00 |
| 360T | 22BR-D-360 | 644.00 | 45BR-D-360 | 1,797.00 | 46BR-D-360 | 1,284.00 |
| 400T | 22BR-D-400 | 770.00 | | | 46BR-D-400 | 1,757.00 |
| 440T | 22BR-D-440T | 1,103.00 | | | 46BR-D-445T | 2,229.00 |
| 440TS | 22BR-D-440TS | 1,103.00 | | | 46BR-D-440TS | 2,229.00 |
| 449T | | | | | 46BR-D-449T | 2,229.00 |

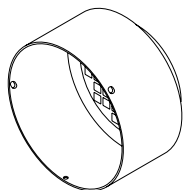


Premium Motor Junction Box

| Frame | 20N Series Part Number | List Price | 31N Series Part Number | List Price | 32N Series Part Number | List Price |
|-------|------------------------|------------|------------------------|------------|------------------------|------------|
| 140 | 22JUN-B-140 | 202.00 | 45JUN-B-180 | 48.00 | 46JUN-B-180 | 68.00 |
| 180 | 22JUN-B-210 | 231.00 | 45JUN-B-180 | 48.00 | 46JUN-B-180 | 68.00 |
| 210 | 22JUN-B-210 | 231.00 | 45JUN-B-210 | 62.00 | 46JUN-B-250 | 148.00 |
| 250 | 22JUN-B-280 | 355.00 | 45JUN-B-250 | 110.00 | 46JUN-B-250 | 148.00 |
| 280 | 22JUN-B-280 | 355.00 | 45JUN-B-280 | 205.00 | 46JUN-B-320 | 215.00 |
| 320 | 22JUN-B-320 | 585.00 | 45JUN-B-320 | 341.00 | 46JUN-B-320 | 215.00 |
| 360 | 22JUN-B-360 | 681.00 | 45JUN-B-360 | 518.00 | 46JUN-B-440 | 403.00 |
| 400 | 22JUN-B-400 | 866.00 | | | 46JUN-B-440 | 403.00 |
| 440 | 22JUN-B-440 | 866.00 | | | 46JUN-B-440 | 403.00 |

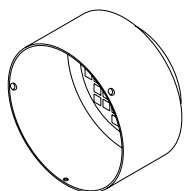
Premium Motor Spare Parts

Spare part number is applicable for **Motor Series** designated in column header. Series is indicated by motor prefix.



Premium Rolled Steel Fan Guards

| Frame | 20N Series Part Number | List Price | 31N Series Part Number | List Price | 32N Series Part Number | List Price |
|-------|------------------------|------------|------------------------|------------|------------------------|------------|
| 140 | 22F-GUA-140 | 94.00 | 45F-GUA-140 | 32.00 | 46F-GUA-140 | 55.00 |
| 180 | 22F-GUA-180 | 101.00 | 45F-GUA-180 | 75.00 | 46F-GUA-180 | 70.00 |
| 210 | 22F-GUA-210 | 171.00 | 45F-GUA-210 | 130.00 | 46F-GUA-210 | 83.00 |
| 250 | 22F-GUA-250 | 218.00 | 45F-GUA-250 | 243.00 | 46F-GUA-250 | 138.00 |
| 280 | 22F-GUA-280 | 275.00 | 45F-GUA-280 | 341.00 | 46F-GUA-280 | 193.00 |
| 320 | 22F-GUA-320 | 429.00 | 45F-GUA-320 | 531.00 | 46F-GUA-320 | 249.00 |
| 360 | 22F-GUA-360 | 533.00 | 45F-GUA-360 | 553.00 | 46F-GUA-360 | 345.00 |
| 400 | 22F-GUA-400 | 592.00 | | | 46F-GUA-400 | 1,612.00 |
| 440 | 22F-GUA-440 | 703.00 | | | 46F-GUA-440 | 1,880.00 |

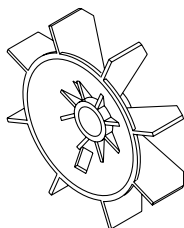
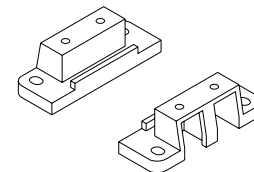


Premium Cast Iron Fan Guards

| Frame | 31N Series Part Number | List Price |
|-------|------------------------|------------|
| 140 | 45F-GUA-140-C | 98.00 |
| 180 | 45F-GUA-180-C | 181.00 |
| 210 | 45F-GUA-210-C | 311.00 |
| 250 | 45F-GUA-250-C | 524.00 |
| 280 | 45F-GUA-280-C | 605.00 |
| 320 | 45F-GUA-320-C | 784.00 |
| 360 | 45F-GUA-360-C | 938.00 |

Premium Removable Feet

| Frame | 20N Series Part Number | List Price |
|-------|------------------------|------------|
| 320 | 22FEET-320 | 480.00 |
| 360 | 22FEET-360 | 600.00 |
| 400 | 22FEET-400 | 660.00 |
| 440 | 22FEET-440 | 900.00 |
| 447 | 22FEET-447 | 1,442.00 |

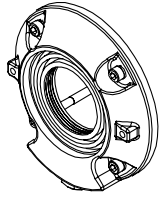


Premium Motor Fans

| Frame | 20N Series Part Number | List Price | 31N Series Part Number | List Price | 32N Series Part Number | List Price |
|----------|------------------------|------------|------------------------|------------|------------------------|------------|
| 140-2P | 22FAN-140-2 | 74.00 | 45FAN-180-2 | 38.00 | 44FAN-140-4 | 29.00 |
| 140-4,6P | 22FAN-140-4 | 74.00 | 45FAN-180-2 | 38.00 | 44FAN-140-4 | 29.00 |
| 180-2P | 22FAN-180-2 | 87.00 | 45FAN-180-2 | 38.00 | 44FAN-180-2 | 29.00 |
| 180-4,6P | 22FAN-180-4 | 87.00 | 45FAN-180-4 | 54.00 | 44FAN-180-2 | 29.00 |
| 210-2P | 22FAN-180-2 | 87.00 | 45FAN-180-4 | 54.00 | 44FAN-210-2 | 54.00 |
| 210-4,6P | 22FAN-180-2 | 87.00 | 45FAN-180-4 | 54.00 | 44FAN-210-2 | 54.00 |
| 250-2P | 22FAN-250-2 | 202.00 | 45FAN-250-2 | 84.00 | 44FAN-250-2 | 81.00 |
| 250-4,6P | 22FAN-250-4 | 202.00 | 45FAN-250-4 | 114.00 | 44FAN-250-2 | 81.00 |
| 280-2P | 22FAN-250-2 | 202.00 | 45FAN-250-4 | 114.00 | 44FAN-280-2 | 107.00 |
| 280-4,6P | 22FAN-250-4 | 202.00 | 45FAN-250-4 | 114.00 | 44FAN-280-2 | 107.00 |
| 320-2P | 22FAN-320-2 | 377.00 | 45FAN-250-4 | 114.00 | 44FAN-320-2 | 162.00 |
| 320-4,6P | 22FAN-320-4 | 377.00 | 45FAN-320-4 | 228.00 | 44FAN-320-2 | 162.00 |
| 360-2P | 22FAN-320-2 | 377.00 | 45FAN-250-4 | 114.00 | 44FAN-360-2 | 202.00 |
| 360-4,6P | 22FAN-320-4 | 377.00 | 45FAN-320-4 | 228.00 | 44FAN-360-4 | 202.00 |
| 400-2P | 22FAN-320-2 | 377.00 | | | 44FAN-400-2 | 243.00 |
| 400-4,6P | 22FAN-400-4 | 407.00 | | | 44FAN-400-2 | 243.00 |
| 440-2P | 22FAN-440-2 | 407.00 | | | 44FAN-400-2 | 243.00 |
| 440-4,6P | 22FAN-440-4 | 407.00 | | | 44FAN-400-2 | 243.00 |

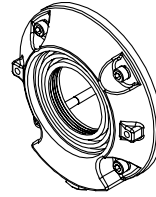
Premium Motor Spare Parts

Spare part number is applicable for **Motor Series** designated in column header. Series is indicated by motor prefix.



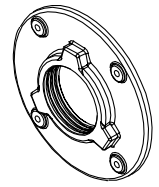
Premium DE External Bearing Caps

| Frame | 20N Series Part Number | List Price |
|-------|------------------------|------------|
| 320 | 22BC-D-320 | 215.00 |
| 360 | 22BC-D-360 | 215.00 |
| 400 | 22BC-D-400 | 215.00 |
| 440T | 22BC-D-440T | 244.00 |
| 440TS | 22BC-D-400 | 215.00 |



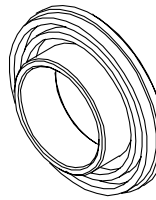
Premium NDE External Bearing Caps

| Frame | 20N Series Part Number | List Price |
|-------|------------------------|------------|
| 320 | 22BC-ND-320 | 215.00 |
| 360 | 22BC-ND-360 | 215.00 |
| 400 | 22BC-ND-400 | 215.00 |
| 440T | 22BC-ND-440T | 244.00 |
| 440TS | 22BC-ND-400 | 215.00 |



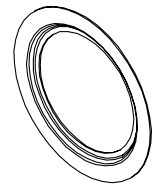
Premium Inner Bearing Caps

| Frame | 20N Series Part Number | List Price |
|-------|------------------------|------------|
| 320 | 22BC-I-320 | 133.00 |
| 360 | 22BC-I-360 | 133.00 |
| 400 | 22BC-I-400 | 141.00 |
| 440T | 22BC-I-440T | 192.00 |
| 440TS | 22BC-I-400 | 141.00 |



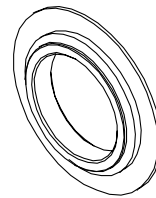
Premium Labyrinth Ring

| Frame | 20N Series Part Number | List Price |
|-------|------------------------|------------|
| 320 | 22LABYR-320 | 45.00 |
| 360 | 22LABYR-360 | 83.00 |
| 400 | 22LABYR-400 | 190.00 |
| 440T | 22LABYR-440 | 227.00 |
| 440TS | 22LABYR-400 | 190.00 |



Premium Grease Retainer

| Frame | 20N & 40N Series Part Number | List Price |
|-------|------------------------------|------------|
| 320 | 42GRT-320 | 39.00 |
| 360 | 42GRT-360 | 41.00 |
| 400 | 42GRT-400 | 43.00 |
| 440T | 42GRT-440 | 46.00 |
| 440TS | 42GRT-400 | 43.00 |



Premium Bearing Slinger

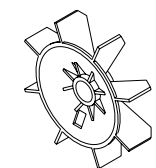
| Frame | 20N & 40N Series Part Number | List Price |
|-------|------------------------------|------------|
| 320 | 42SLIN-320 | 135.00 |
| 360 | 42SLIN-360 | 140.00 |
| 400 | 42SLIN-400 | 143.00 |
| 440T | 42SLIN-440 | 147.00 |
| 440TS | 42SLIN-400 | 143.00 |

Single Phase High Torque Motor Spare Parts



1PH TC-Frame C-Flanges

| Frame | 36T Series Part Number | List Price |
|-------|------------------------|------------|
| 180TC | 47C-FLA-180 | 71.00 |
| 210TC | 47C-FLA-210 | 96.00 |



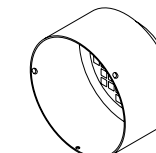
1PH T-Frame Fans

| Frame | 36T Series Part Number | List Price |
|-------|------------------------|------------|
| 180 | 47FAN-180-4 | 70.00 |
| 210 | 47FAN-210-4 | 84.00 |



1PH T-Frame Drive End Brackets

| Frame | 36T Series Part Number | List Price |
|-------|------------------------|------------|
| 180 | 47BR-D-180 | 71.00 |
| 210 | 47BR-D-210 | 96.00 |



1PH T-Frame Fan Guards

| Frame | 36T Series Part Number | List Price |
|-------|------------------------|------------|
| 180 | 47F-GUA-180 | 40.00 |
| 210 | 47F-GUA-210 | 55.00 |

1PH T-Frame Start Capacitor

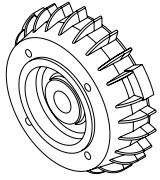
| uF/350V | 36T Series Part Number | List Price |
|---------|------------------------|------------|
| 300 | 47CAP-300 | 37.00 |
| 350 | 47CAP-350 | 45.00 |
| 400 | 47CAP-400 | 47.00 |
| 450 | 47CAP-450 | 48.00 |
| 500 | 47CAP-500 | 50.00 |
| 650 | 47CAP-650 | 62.00 |

1PH T-Frame Centrifugal Switch

| Frame & Poles | 36T Series Part Number | List Price |
|---------------|------------------------|------------|
| 180 - 2P | 47CEN-180-2 | 61.00 |
| 180 - 4P | 47CEN-180-4 | 61.00 |
| 210 - 2P | 47CEN-210-2 | 90.00 |
| 210 - 4P | 47CEN-210-4 | 90.00 |

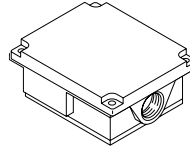
EPACT Motor Spare Parts

Spare part number is applicable for **Motor Series** designated in column header. Series is indicated by motor prefix.



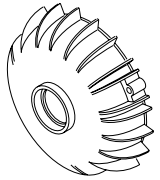
EPACT Motor C-Flanges

| Frame & Poles | 40N Series Part Number | List Price |
|---------------|------------------------|------------|
| 140TC | 22C-FLA-140 | 185.00 |
| 180TC | 22C-FLA-180 | 222.00 |
| 210TC | 22C-FLA-210 | 259.00 |
| 250TC | 22C-FLA-250 | 407.00 |
| 280TC | 22C-FLA-280 | 518.00 |
| 320TC-2,4,6P | 42C-FLA-320 | 2,049.00 |
| 360TC-2,4P | 42C-FLA-360 | 2,043.00 |
| 400TC-2,4P | 42C-FLA-400 | 2,323.00 |
| 440TC-4P | 42C-FLA-440T | 2,855.00 |
| 440TSC-2P | 42C-FLA-440TS | 2,855.00 |



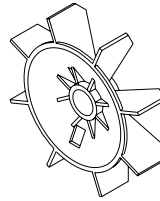
EPACT Motor Junction Box

| Frame | 33N Series Part Number | List Price | 40N Series Part Number | List Price |
|-------|------------------------|------------|------------------------|------------|
| 140 | 46JUN-B-180 | 68.00 | 22JUN-B-140 | 202.00 |
| 180 | 46JUN-B-180 | 68.00 | 22JUN-B-210 | 231.00 |
| 210 | 46JUN-B-250 | 148.00 | 22JUN-B-210 | 231.00 |
| 250 | 46JUN-B-250 | 148.00 | 22JUN-B-280 | 355.00 |
| 280 | 46JUN-B-320 | 215.00 | 22JUN-B-280 | 355.00 |
| 320 | 46JUN-B-320 | 215.00 | 41JUN-B-320 | 1,097.00 |
| 360 | 46JUN-B-440 | 403.00 | 41JUN-B-360 | 1,190.00 |
| 400 | 46JUN-B-440 | 403.00 | 41JUN-B-400 | 1,246.00 |
| 440 | 46JUN-B-440 | 403.00 | 41JUN-B-440 | 1,637.00 |



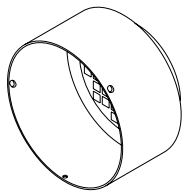
EPACT Motor Drive End Brackets

| Frame & Poles | 40N Series Part Number | List Price |
|---------------|------------------------|------------|
| 140T | 22BR-D-140 | 111.00 |
| 180T | 22BR-D-180 | 126.00 |
| 210T | 22BR-D-210 | 163.00 |
| 250T | 22BR-D-250 | 222.00 |
| 280T | 22BR-D-280 | 281.00 |
| 320T-2,4,6P | 42BR-D-320 | 784.00 |
| 360T-2,4P | 42BR-D-360 | 966.00 |
| 400T-2,4P | 42BR-D-400 | 1,148.00 |
| 440T-4P | 42BR-D-440 | 1,665.00 |
| 440TS-2P | 42BR-D-440TS | 1,665.00 |



EPACT Motor Fans

| Frame & Poles | 33N Series Part Number | List Price |
|---------------|------------------------|------------|
| 140-2,4,6P | 44FAN-140-2 | 29.00 |
| 180-2P | 44FAN-180-2 | 29.00 |
| 180-4,6P | 44FAN-180-4 | 29.00 |
| 210-2,4,6P | 44FAN-210-2 | 54.00 |
| 250-2,4,6P | 44FAN-250-2 | 81.00 |
| 280-2,4,6P | 44FAN-280-2 | 107.00 |
| 320-2,4,6P | 44FAN-320-2 | 162.00 |
| 360-2P | 44FAN-360-2 | 202.00 |
| 360-4,6P | 44FAN-360-4 | 202.00 |
| 400-2P | 44FAN-400-2 | 243.00 |
| 400-4,6P | 44FAN-400-4 | 243.00 |
| 440-2P | 44FAN-440-2 | 484.00 |
| 440-4,6P | 44FAN-440-4 | 484.00 |



EPACT Motor Steel Fan Guards

| Frame | 33N Series Part Number | List Price |
|-------|------------------------|------------|
| 140 | 44F-GUA-140 | 44.00 |
| 180 | 44F-GUA-180 | 58.00 |
| 210 | 44F-GUA-210 | 68.00 |
| 250 | 44F-GUA-250 | 122.00 |
| 280 | 44F-GUA-280 | 174.00 |
| 320 | 44F-GUA-320 | 217.00 |
| 360 | 44F-GUA-360 | 289.00 |
| 400 | 44F-GUA-400 | 361.00 |
| 440 | 44F-GUA-440 | 434.00 |

| Frame & Poles | 40N Series Part Number | List Price |
|---------------|------------------------|------------|
| 140 | 22F-GUA-140 | 94.00 |
| 180 | 22F-GUA-180 | 101.00 |
| 210 | 22F-GUA-210 | 171.00 |
| 250 | 22F-GUA-250 | 218.00 |
| 280 | 22F-GUA-280 | 275.00 |
| 320-2,4,6P | 42F-GUA-320 | 714.00 |
| 360-2,4P | 42F-GUA-360 | 882.00 |
| 400-2,4P | 42F-GUA-400 | 980.00 |
| 440-2,4P | 42F-GUA-440 | 1,162.00 |
| 447-2,4P | 42F-GUA-447 | 1,037.00 |

| Frame & Poles | 40N Series Part Number | List Price |
|---------------|------------------------|------------|
| 140-2P | 22FAN-140-2 | 74.00 |
| 140-4,6P | 22FAN-140-4 | 74.00 |
| 180-2P | 22FAN-180-2 | 87.00 |
| 180-4,6P | 22FAN-180-4 | 87.00 |
| 210-2P | 42FAN-180-2 | 87.00 |
| 210-4,6P | 42FAN-210-4 | 153.00 |
| 250-2P | 22FAN-250-2 | 202.00 |
| 250-4,6P | 22FAN-250-4 | 202.00 |
| 284TS-2P | 22FAN-250-2 | 202.00 |
| 286TS-2P | 42FAN-284TS | 230.00 |
| 280-4,6P | 42FAN-280-4 | 230.00 |
| 320-2P | 42FAN-284TS | 230.00 |
| 320-4,6P | 42FAN-280-4 | 230.00 |
| 360-2P | 42FAN-284TS | 230.00 |
| 360-4,6P | 42FAN-280-4 | 230.00 |
| 400-2P | 42FAN-400TS | 700.00 |
| 400-4,6P | 42FAN-400T | 794.00 |
| 440-2P | 42FAN-447-2 | 650.00 |
| 440-4,6P | 42FAN-447-4 | 650.00 |

NEMA Brake Motor Spare Parts

Spare part number is applicable for **Motor Series** designated in column header.

Brake Rectifier

| AC VOLT | Brake Series Part Number | List Price |
|---------|--------------------------|------------|
| 460V | 42REC-460V | 110.00 |
| 230V | 42REC-230V | 163.00 |

NEMA Brake Motor Disk

| Frame | Brake Series Part Number | List Price |
|-------|--------------------------|------------|
| 140 | 42BRAKE-DISK-140 | 214.00 |
| 180 | 42BRAKE-DISK-180 | 320.00 |
| 210 | 42BRAKE-DISK-210 | 422.00 |
| 250 | 42BRAKE-DISK-250 | 557.00 |
| 280 | 42BRAKE-DISK-280 | 736.00 |

NEMA Brake Motor Electric Coil

| Frame | Brake Series Part Number | List Price |
|-------|--------------------------|------------|
| 140 | 42ELEC-COIL-140 | 285.00 |
| 180 | 42ELEC-COIL-180 | 550.00 |
| 210 | 42ELEC-COIL-210 | 722.00 |
| 250 | 42ELEC-COIL-250 | 967.00 |
| 280 | 42ELEC-COIL-280 | 1,292.00 |

NEMA Brake Motor Handle

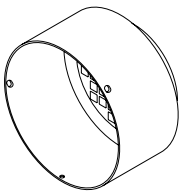
| Frame | Brake Series Part Number | List Price |
|-------|--------------------------|------------|
| 140 | 42HANDLE-140 | 123.00 |
| 180 | 42HANDLE-180 | 295.00 |
| 210 | 42HANDLE-210 | 379.00 |
| 250 | 42HANDLE-250 | 486.00 |
| 280 | 42HANDLE-280 | 665.00 |

NEMA Brake Motor Gear Wheel

| Frame | Brake Series Part Number | List Price |
|-------|--------------------------|------------|
| 140 | 42GEAR-WHEEL-140 | 276.00 |
| 180 | 42GEAR-WHEEL-180 | 407.00 |
| 210 | 42GEAR-WHEEL-210 | 528.00 |
| 250 | 42GEAR-WHEEL-250 | 683.00 |
| 280 | 42GEAR-WHEEL-280 | 885.00 |

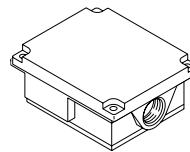
NEMA Brake Motor Reg. Bolt

| Frame | Brake Series Part Number | List Price |
|-------|--------------------------|------------|
| 140 | 42REG-BOLT-140 | 37.00 |
| 180 | 42REG-BOLT-180 | 54.00 |
| 210 | 42REG-BOLT-210 | 72.00 |
| 250 | 42REG-BOLT-250 | 95.00 |
| 280 | 42REG-BOLT-280 | 120.00 |



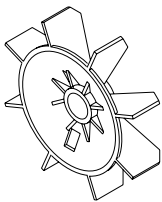
NEMA Brake Motor Fan Guards

| Frame | Brake Series Part Number | List Price |
|-------|--------------------------|------------|
| 140 | 42F-GUA-140-BRAKE | 300.00 |
| 180 | 42F-GUA-180-BRAKE | 350.00 |
| 210 | 42F-GUA-210-BRAKE | 409.00 |
| 250 | 42F-GUA-250-BRAKE | 450.00 |
| 280 | 42F-GUA-280-BRAKE | 494.00 |



NEMA Brake Motor Junction Box

| Frame | Brake Series Part Number | List Price |
|-------|--------------------------|------------|
| 140 | 42JUN-B-140-BRAKE | 112.00 |
| 180 | 42JUN-B-180-BRAKE | 166.00 |
| 210 | 42JUN-B-210-BRAKE | 166.00 |
| 250 | 42JUN-B-250-BRAKE | 204.00 |
| 280 | 42JUN-B-280-BRAKE | 242.00 |

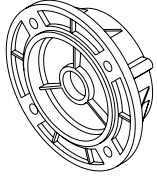


NEMA Brake Motor Fans

| Frame | Brake Series Part Number | List Price |
|----------|--------------------------|------------|
| 140-2P | 42FAN-140-2-BRAKE | 152.00 |
| 140-4,6P | 42FAN-140-4-BRAKE | 152.00 |
| 180-2P | 22FAN-180-2 | 87.00 |
| 180-4,6P | 22FAN-180-4 | 87.00 |
| 210-2P | 22FAN-180-2 | 87.00 |
| 210-4,6P | 22FAN-210-4 | 174.00 |
| 250-2P | 22FAN-250-2 | 202.00 |
| 250-4,6P | 22FAN-250-4 | 202.00 |
| 280-2P | 22FAN-250-2 | 202.00 |
| 280-4,6P | 22FAN-250-4 | 202.00 |

Metric IEC Frame Motor Spare Parts

Spare part number is applicable for **Motor Series** designated in column header. Series is indicated by motor prefix.



IEC Metric B5 Standard D-Flanges

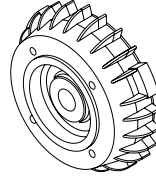
| Frame & Poles | 40M Series Part Number | List Price |
|---------------|------------------------|------------|
| 56 | 41DM-FLA-56 | 92.00 |
| 63 | 41DM-FLA-63 | 104.00 |
| 71 | 41DM-FLA-71 | 161.00 |
| 80 | 41DM-FLA-80 | 190.00 |
| 90 | 41DM-FLA-90 | 228.00 |
| 100 | 41DM-FLA-100 | 335.00 |
| 112 | 41DM-FLA-112 | 419.00 |
| 132 | 41DM-FLA-132 | 491.00 |
| 160 | 41DM-FLA-160 | 958.00 |
| 180 | 41DM-FLA-180 | 1,046.00 |
| 200 | 41DM-FLA-200 | 2,079.00 |
| 225 | 41DM-FLA-225 | 2,328.00 |
| 250 | 41DM-FLA-250 | 2,500.00 |
| 280 | 41DM-FLA-280 | 3,275.00 |
| 280-2P | 41DM-FLA-280-2P | 3,275.00 |
| 315 | 41DM-FLA-315 | 3,275.00 |
| 315-2P | 41DM-FLA-315-2P | 3,275.00 |

| Frame & Poles | 20M Series Part Number | List Price |
|---------------|------------------------|------------|
| 90 | 41DM-FLA-90 | 228.00 |
| 100 | 41DM-FLA-100 | 335.00 |
| 112 | 41DM-FLA-112 | 419.00 |
| 132 | 41DM-FLA-132 | 491.00 |
| 160 | 41DM-FLA-160 | 958.00 |
| 180 | 41DM-FLA-180 | 1,046.00 |
| 200-2,4,6P | 22DM-FLA-200 | 1,206.00 |
| 225-2,4,6P | 22DM-FLA-225 | 1,354.00 |
| 250-2,4,6P | 22DM-FLA-250 | 1,947.00 |
| 280-4,6P | 22DM-FLA-280 | 2,102.00 |
| 280-2P | 22DM-FLA-280-2P | 2,102.00 |
| 315-4,6P | 22DM-FLA-315 | 2,916.00 |

IEC Metric B5 Reduction Flanges

B35 is non-standard reduced diameter B5 (D-Flange) flange motor with feet.

| Frame | 20M Series Part Number | List Price |
|-------|------------------------|------------|
| 90 | 41DM-FLA-90/R | 228.00 |
| 100 | 41DM-FLA-100/R | 335.00 |
| 112 | 41DM-FLA-112/R | 419.00 |
| 132 | 41DM-FLA-132/R | 491.00 |
| 160 | 41DM-FLA-160/R | 958.00 |

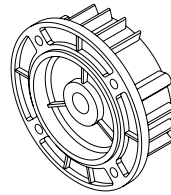


IEC Metric B14 Standard C-Flanges

B34 is standard B14 (C-Face) flange motor with feet.

| Frame | 40M Series Part Number | List Price |
|-------|------------------------|------------|
| 56 | 41CM-FLA-56/2 | 79.00 |
| 63 | 41CM-FLA-63/2 | 84.00 |
| 71 | 41CM-FLA-71/2 | 133.00 |
| 80 | 41CM-FLA-80/2 | 200.00 |
| 90 | 41CM-FLA-90/2 | 274.00 |
| 100 | 41CM-FLA-100/2 | 409.00 |
| 112 | 41CM-FLA-112/2 | 501.00 |
| 132 | 41CM-FLA-132/2 | 544.00 |
| 160 | 41CM-FLA-160/2 | 919.00 |

| Frame | 20M Series Part Number | List Price |
|-------|------------------------|------------|
| 90 | 41CM-FLA-90/2 | 274.00 |
| 100 | 41CM-FLA-100/2 | 409.00 |
| 112 | 41CM-FLA-112/2 | 501.00 |
| 132 | 41CM-FLA-132/2 | 544.00 |
| 160 | 41CM-FLA-160/2 | 919.00 |



IEC Metric B14 Increased C-Flanges

B34/1 is non-standard increased diameter B14 (C-Face) flange motor with feet.

| Frame | 40M Series Part Number | List Price |
|-------|------------------------|------------|
| 56 | 41CM-FLA-56/1 | 79.00 |
| 63 | 41CM-FLA-63/1 | 84.00 |
| 71 | 41CM-FLA-71/1 | 133.00 |
| 80 | 41CM-FLA-80/1 | 200.00 |
| 90 | 41CM-FLA-90/1 | 274.00 |
| 100 | 41CM-FLA-100/1 | 409.00 |
| 112 | 41CM-FLA-112/1 | 501.00 |
| 132 | 41CM-FLA-132/1 | 544.00 |
| 160 | 41CM-FLA-160/1 | 919.00 |

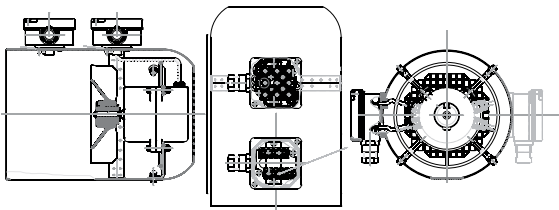
| Frame | 20M Series Part Number | List Price |
|-------|------------------------|------------|
| 90 | 41CM-FLA-90/1 | 274.00 |
| 100 | 41CM-FLA-100/1 | 409.00 |
| 112 | 41CM-FLA-112/1 | 501.00 |
| 132 | 41CM-FLA-132/1 | 544.00 |
| 160 | 41CM-FLA-160/1 | 919.00 |

NEMA and IEC Motor Accessories and Modifications

Accessories and Modifications are applicable for **Motor Series** designated in column header. Series is indicated by motor prefix.

NEMA Motor Drip Covers

| Frame | C-Dimension Increase | 20, 40, 60 Series Part Number | List Price |
|-----------|----------------------|-------------------------------|------------|
| 143T-145T | 2.0 in | 42F-GUA-140/DC | 193.00 |
| 182T-184T | 2.0 in | 42F-GUA-180/DC | 249.00 |
| 213T-215T | 2.0 in | 42F-GUA-210/DC | 332.00 |
| 254T-256T | 2.5 in | 42F-GUA-250/DC | 359.00 |
| 284T-286T | 2.5 in | 42F-GUA-280/DC | 387.00 |
| 324T-326T | 3.0 in | 42F-GUA-320/DC | 497.00 |
| 364T-365T | 3.0 in | 42F-GUA-360/DC | 552.00 |
| 404T-405T | 3.5 in | 42F-GUA-400/DC | 662.00 |
| 444T-445T | 3.5 in | 42F-GUA-440/DC | 690.00 |
| 447T | 3.5 in | 42F-GUA-447/DC | 828.00 |



Motor Blower Kits (3PH 230/460V 60Hz)

| Frame | C-Dim Increase | 40 Series Part Number | List Price | 20 & 60 Series Part Number | List Price |
|-----------|----------------|-----------------------|------------|----------------------------|------------|
| 182T-184T | 8.8 in | 42F-GUA-180/F | 641.00 | 42F-GUA-180/F | 641.00 |
| 213T-215T | 8.2 in | 42F-GUA-210/F | 811.00 | 42F-GUA-210/F | 811.00 |
| 254T-256T | 7.2 in | 42F-GUA-250/F | 888.00 | 42F-GUA-250/F | 888.00 |
| 284T-286T | 7.5 in | 42F-GUA-280/F | 888.00 | 42F-GUA-280/F | 888.00 |
| 324T-326T | 11.8 in | 42F-GUA-320/F | 2,082.00 | 22F-GUA-320/F | 2,236.00 |
| 364T-365T | 13.6 in | 42F-GUA-360/F | 3,467.00 | 22F-GUA-360/F | 3,818.00 |
| 404T-405T | 13.5 in | 42F-GUA-400/F | 3,693.00 | 22F-GUA-400/F | 4,313.00 |
| 444T-447T | 11.6 in | 42F-GUA-440/F | 4,244.00 | 22F-GUA-440/F | 4,803.00 |

F2/F1 Mount Modifications

F2/F1 prices for **all Elektrim Motors** where applicable.

| NEMA Frame | IEC Frame | List Price |
|------------|-----------|------------|
| Up to 210T | N/A | 186.00 |
| 250T | N/A | 249.00 |
| 280T | N/A | 249.00 |
| 320T | N/A | 426.00 |
| 360T | 200 | 593.00 |
| 400T | 225 | 646.00 |
| 444/5T | 250 | 736.00 |
| 447/9T | 280 | 835.00 |

Drip Cover Kits are used in motors for shaft down outdoor applications.

* IEC Motors up to 112 Frame are equipped with terminal board as standard.

Motors requiring modification may only be available, as priced herein, at our Schaumburg, IL location. Modifications from other warehouses may be available at an additional charge. Contact Customer Support for details.

Motor DE Ball to Roller Bearing Conversions

| NEMA Frame | IEC Frame | Bearing | List Price Installed |
|------------|-----------|---------|----------------------|
| 320T | 200 | NU312 | 291.00 |
| 360T | 225 | NU313 | 378.00 |
| 400T | 250 | NU315 | 566.00 |
| 444-445T | 280-315 | NU318 | 863.00 |
| 447T | - | NU320 | 1,576.00 |
| 449T | - | NU319 | 1,044.00 |

NEMA Motor DE Roller to Ball Bearing Conversions

| Frame | Bearing | List Price Installed |
|-------|---------|----------------------|
| 447T | 6320C3 | 1000.00 |
| 449T | 6319C3 | 1,035.00 |
| 586/7 | 6322C3 | 1,050.00 |

Bearings

| Bearing | Part Number | List Price | Bearing | Part Number | List Price |
|------------|-------------|------------|---------|-------------|------------|
| 6205 2Z C3 | 41-6205ZZ | 75.00 | 6320C3 | 41-6320C3 | 1,200.00 |
| 6306 2Z C3 | 41-6306ZZ | 90.00 | 6322C3 | 41-6322C3 | 1,800.00 |
| 6308 2Z C3 | 41-6308ZZ | 200.00 | NU312 | 41-NU312 | 592.00 |
| 6309 2Z C3 | 41-6309ZZ | 250.00 | NU313 | 41-NU313 | 770.00 |
| 6311 2Z C3 | 41-6311ZZ | 306.00 | NU314 | 41-NU314 | 890.00 |
| 6312C3 | 41-6312C3 | 505.00 | NU315 | 41-NU315 | 990.00 |
| 6313C3 | 41-6313C3 | 600.00 | NU317 | 41-NU317 | 1,100.00 |
| 6314C3 | 41-6314C3 | 800.00 | NU318 | 41-NU318 | 1,200.00 |
| 6315C3 | 41-6315C3 | 850.00 | NU319 | 41-NU319 | 1,860.00 |
| 6317C3 | 41-6317C3 | 903.00 | NU320 | 41-NU320 | 1,950.00 |
| 6318C3 | 41-6318C3 | 1,067.00 | NU322 | 41-NU322 | 2,100.00 |
| 6319C3 | 41-6319C3 | 1,100.00 | | | |

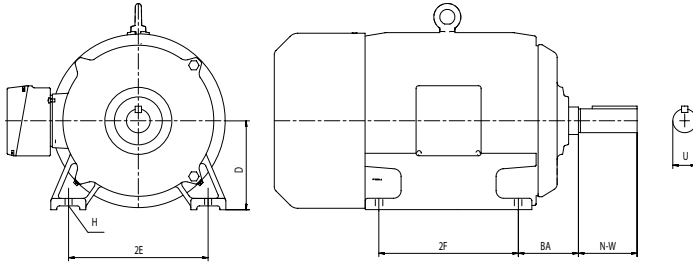


Terminal Boards

| NEMA Frame | IEC Frame | Part Number | List Price Un-Installed | List Price Installed |
|------------|-----------|----------------|-------------------------|----------------------|
| 143T-145T | N/A* | 41TER-B-140 | 97.00 | 303.00 |
| 182T-184T | N/A* | 41TER-B-180 | 111.00 | 303.00 |
| 213T-215T | 132 | 41TER-B-280-6T | 138.00 | 303.00 |
| 254T-256T | 160 | 41TER-B-280-6T | 138.00 | 303.00 |
| 284T-286T | 180 | 41TER-B-280-6T | 138.00 | 303.00 |
| 324T-326T | 200 | 41TER-B-200 | 207.00 | 414.00 |
| 364T-365T | 225 | 41TER-B-200 | 207.00 | 414.00 |
| 404T-405T | 250 | 41TER-B-315 | 622.00 | 898.00 |
| 444T-445T | 280 | 41TER-B-315 | 622.00 | 898.00 |
| 447T | 315 | 41TER-B-315 | 622.00 | 898.00 |

Metric IEC and NEMA Dimensional Comparison and Bearing Charts

Information listed below applies to 20, 40 and 60 series motors only. Series is indicated by motor prefix.



| Dimensions in Millimeters | | | | | | | | | HP Frame Assignment | | |
|---------------------------|------|-------|-------|-------|------|------|-------|-------|---------------------|--------|-----------|
| IEC | NEMA | D | 2E | 2F | H | U | BA | N-W | 3 Phase | | |
| | | | | | | | | | 2 Pole | 4 Pole | 6 Pole |
| 56 | - | 56 | 90 | 71 | 5.8 | 9 | 36 | 20 | .17 | .12 | .08 |
| - | N/A | - | - | - | - | - | - | - | - | - | - |
| 63 | - | 63 | 100 | 80 | 7 | 11 | 40 | 23 | 1/3 | 1/4 | .17 |
| - | N/A | - | - | - | - | - | - | - | - | - | - |
| 71 | - | 71 | 112 | 90 | 7 | 14 | 45 | 30 | 3/4 | 1/2 | 1/3 |
| - | 42 | 66.7 | 89 | 42.8 | 7.1 | 9.5 | 52.4 | 28.6 | 3/4 | 1/2 | 1/3 |
| 80 | - | 80 | 125 | 100 | 10 | 19 | 50 | 40 | 1-1/5 | 1 | 3/4 |
| - | 48 | 76.2 | 108 | 69.8 | 8.7 | 12.7 | 63.5 | 38.1 | 1-1/2 | 1 | 3/4 |
| 90S | - | 90 | 140 | 100 | 10 | 24 | 56 | 50 | 2 | 1-1/2 | 1 |
| - | 56 | 88.9 | 123.9 | 76.2 | 8.7 | 15.9 | 69.9 | 47.6 | 2 | 1-1/2 | 1 |
| 90L | - | 90 | 140 | 125 | 10 | 24 | 56 | 50 | 3 | 2 | 1-1/2 |
| - | 56 | 88.9 | 123.9 | 76.2 | 8.7 | 15.9 | 69.9 | 47.6 | 3 | 2 | 1-1/2 |
| 100L | - | 100 | 160 | 140 | 12 | 28 | 63 | 60 | 4 | 3 & 4 | 2 |
| - | 145T | 88.9 | 139.6 | 127 | 8.6 | 22.2 | 57.2 | 57.2 | 4 | 3 | 2 |
| 112M | - | 112 | 190 | 140 | 12 | 28 | 70 | 60 | 5.5 | 5.5 | 3 |
| - | 184T | 114.3 | 190.4 | 139.7 | 10.4 | 28.6 | 70 | 69.9 | 5 | 5 | 2 |
| 132S | - | 132 | 216 | 140 | 12 | 38 | 89 | 80 | 7.5 & 10 | 7.5 | 4 |
| - | 213T | 133.4 | 216 | 139.7 | 10.4 | 34.9 | 89.9 | 85.9 | 7.5 | 7.5 | 3 |
| 132M | - | 132 | 216 | 178 | 12 | 38 | 89 | 80 | NA | 10 | 5.5 & 7.5 |
| - | 215T | 133.4 | 216 | 177.8 | 10.4 | 34.9 | 89.9 | 85.9 | 10 | 10 | 5 |
| 160M | - | 160 | 254 | 210 | 15 | 42 | 108 | 110 | 15 & 20 | 15 | 10 |
| - | 254T | 158.8 | 254 | 209.6 | 14 | 41.3 | 108 | 101.6 | 15 | 15 | 7.5 |
| 160L | - | 160 | 254 | 254 | 15 | 42 | 108 | 110 | 25 | 20 | 15 |
| - | 256T | 158.8 | 254 | 254 | 14 | 41.3 | 108 | 101.6 | 20 | 20 | 10 |
| 180M | - | 180 | 279 | 241 | 15 | 48 | 121 | 110 | 30 | 25 | NA |
| - | 284T | 177.8 | 279.6 | 241.3 | 14 | 47.6 | 120.7 | 117.5 | 25 | 25 | 15 |
| 180L | - | 180 | 279 | 279 | 15 | 48 | 121 | 110 | NA | 30 | 20 |
| - | 286T | 177.8 | 279.6 | 279.4 | 14 | 47.6 | 120.7 | 117.5 | 30 | 30 | 20 |
| 200L | - | 200 | 318 | 305 | 19 | 55 | 133 | 110 | 40 & 50 | 40 | 25 & 30 |
| - | 326T | 203.2 | 317.6 | 304.8 | 16.8 | 54 | 133.4 | 133.4 | 50 | 50 | 30 |
| 225S | - | 225 | 356 | 286 | 19 | 60 | 149 | 140 | NA | 50 | NA |
| - | 364T | 228.6 | 355.6 | 285.8 | 16.8 | 60.3 | 149.4 | 149.4 | 60 | 60 | 40 |
| 225M | - | 225 | 356 | 311 | 19 | 60 | 149 | 140 | 60 | 60 | 40 |
| - | 365T | 228.6 | 355.6 | 311.2 | 16.8 | 60.3 | 149.4 | 149.4 | 75 | 75 | 50 |
| 250M | - | 250 | 406 | 349 | 24 | 65 | 168 | 140 | 75 | 75 | 50 |
| - | 405T | 254 | 406.4 | 349.2 | 20.6 | 73 | 168.2 | 182.2 | 100 | 100 | 75 |
| 280S | - | 280 | 457 | 368 | 24 | 75 | 190 | 140 | 100 | 100 | 60 |
| - | 444T | 279.4 | 457.2 | 368.4 | 20.6 | 85.7 | 190.5 | 215.9 | 125 | 125 | 100 |
| 280M | - | 280 | 457 | 419 | 24 | 75 | 190 | 140 | 125 | 125 | 75 |
| - | 445T | 279.4 | 457.2 | 419.2 | 20.6 | 85.7 | 190.5 | 215.9 | 150 | 150 | 125 |

Metric 2-pole motors IEC225 frame and up and NEMA 2-pole motors 280TS frame and up come standard with short shaft not included in dimensional chart.

Standard NEMA motors have junction box in F1 position. Standard Efficiency Metric motors up to IEC180 frame have junction box on top (F3), IEC200 and up come with junction box in F2 position. High Efficiency Metric motors come with junction box on top (F3).

Multiply HP by 0.7457 to convert HP to KW. Multiply millimeters by 0.03937 to convert millimeters to inches.

20 & 40 Series IEC Metric Motor Bearings

| Frame | # of Poles | Bearing |
|------------------|------------|-------------------|
| 56 | ALL | 6201 2Z |
| 63 | ALL | 6202 2Z |
| 71 | ALL | 6203 2Z |
| 80 | ALL | 6204 2Z |
| 90 | ALL | 6205 2Z |
| 100 | ALL | 6206 2Z |
| 112 | ALL | 6306 2Z |
| 132 | ALL | 6308 2Z |
| 160 | ALL | 6309 2Z |
| 180 | ALL | 6311 2Z |
| 200 | ALL | 6312 C3 |
| 225 | ALL | 6313 C3 |
| 250 | ALL | 6315 C3 |
| 280 | 2 | 6315 C3 |
| Sg 280 / SIE 280 | 4 - 12 | 6317 C3 / 6318 C3 |
| 315 | 2 | 6315 C3 |
| 315 | 4 - 12 | 6318 C3 |

20, 40 & 60 Series NEMA Motor Bearings

| Frame | DE Bearing | NDE Bearing |
|---------------------|------------|-------------------|
| 143T | 6205 2Z C3 | 6205 2Z C3 |
| 145T | 6205 2Z C3 | 6205 2Z C3 |
| 182T | 6306 2Z C3 | 6306 2Z C3 |
| 184T | 6306 2Z C3 | 6306 2Z C3 |
| ESg 213T / SIE 213T | 6308 2Z C3 | 6308 / 6306 2Z C3 |
| ESg 215T / SIE 215T | 6308 2Z C3 | 6308 / 6306 2Z C3 |
| 254T | 6309 2Z C3 | 6309 2Z C3 |
| 256T | 6309 2Z C3 | 6309 2Z C3 |
| 284T | 6311 2Z C3 | 6311 2Z C3 |
| 286T | 6311 2Z C3 | 6311 2Z C3 |
| 324T | 6312 C3 | 6312 C3 |
| 326T | 6312 C3 | 6312 C3 |
| 364T | 6313 C3 | 6313 C3 |
| 365T | 6313 C3 | 6313 C3 |
| 404T | 6315 C3 | 6315 C3 |
| 405T | 6315 C3 | 6315 C3 |
| 444TS | 6315 C3 | 6315 C3 |
| 444T | 6318 C3 | 6318 C3 |
| 445TS | 6315 C3 | 6315 C3 |
| 445T | 6318 C3 | 6318 C3 |
| 447TS | 6315 C3 | 6315 C3 |
| 447T | 6318 C3 | 6318 C3 |
| 449T | NU319 | 6314 C3 |
| 586 / 587 | NU322 | 6322 C3 |
| 587UZ / 588UZ | NU324 | 6324 C3 |

Elektrim NEMA motors come with a ball bearing as standard.

Crusher Series NEMA motors come with a roller bearing as standard.

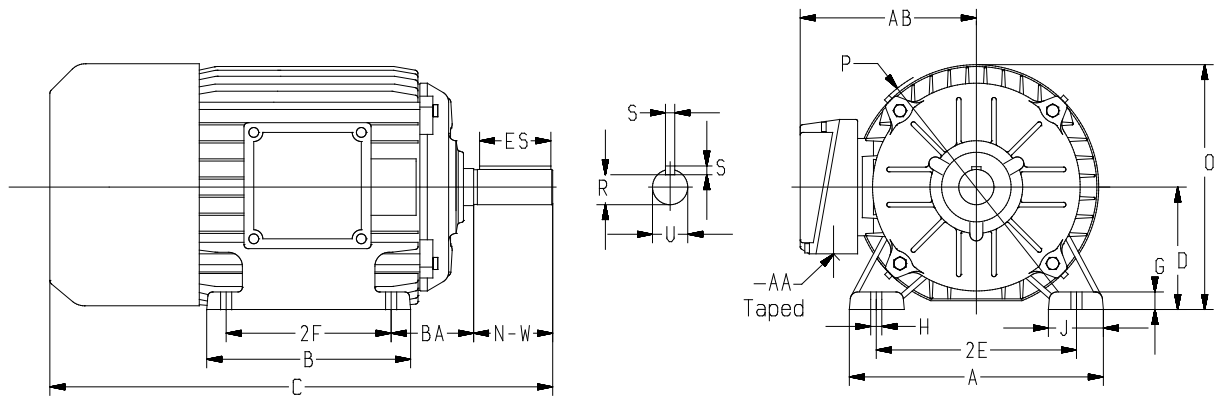
All short shaft motors up to 405TS have the same bearing as T-shaft motor.

20 & 40 Series IEC Metric Drilled and Tapped Shaft

| IEC Frame | Thread Type | Depth (mm) |
|-----------|-------------|------------|
| 56 | M3 | 8 |
| 63 | M4 | 10 |
| 71 | M5 | 12 |
| 80 | M6 | 16 |
| 90 | M8 | 19 |
| 100-112 | M10 | 22 |
| 132 | M12 | 28 |
| 160-180 | M16 | 36 |
| 200-280 | M20 | 42 |
| 355 | M24 | 50 |

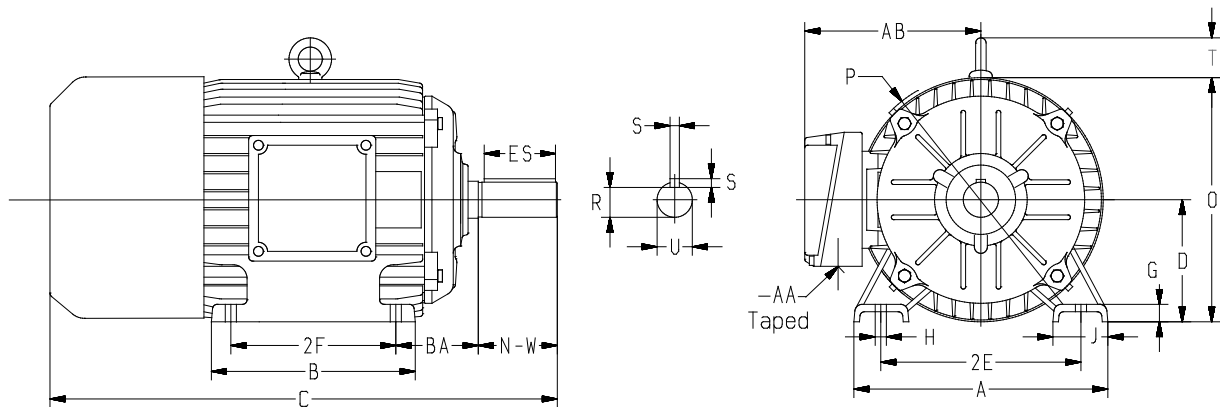
Performance Premium 20N Series – 143T-286TS Footed
Mounting Dimensions

143T-145T



| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | Overall Dimensions | | | | | | | | |
|-------|------------|---------------------|------|-----|-----|----|------|-------|-------|------|-----|------|--------------------|-------|------|------|------|------|-------|-----|----------|
| | | A | B | D | 2E | 2F | H | R | U | N-W | AA | BA | ES | C | G | J | O | P | S | AB | Bearings |
| 143T | 2,4,6 | 6.62 | 5.83 | 3.5 | 5.5 | 4 | 0.34 | 0.771 | 0.875 | 2.25 | 3/4 | 2.25 | 1.52 | 14.2 | 0.39 | 1.66 | 7.48 | 8.27 | 0.188 | 6.5 | 6205 2Z |
| 145T | 2,4,6 | 6.62 | 7 | 3.5 | 5.5 | 5 | 0.34 | 0.771 | 0.875 | 2.25 | 3/4 | 2.25 | 1.52 | 15.15 | 0.39 | 1.66 | 7.48 | 8.27 | 0.188 | 6.5 | 6205 2Z |

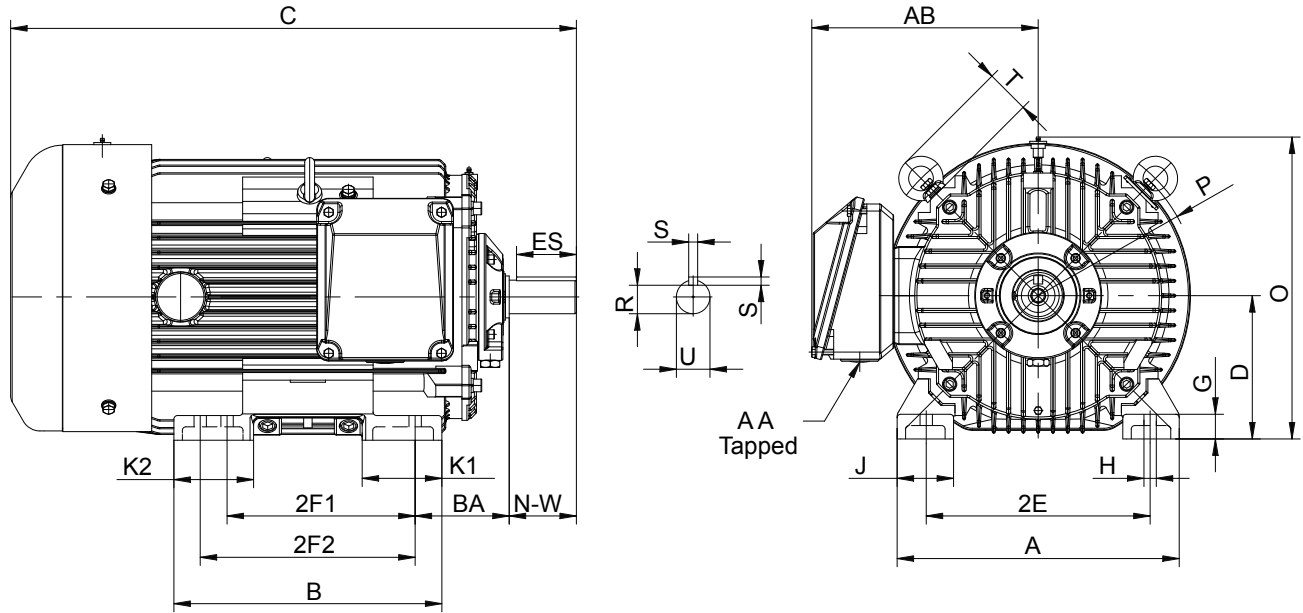
182T-286TS



| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | Overall Dimensions | | | | | | | | | |
|-------|------------|---------------------|-------|------|-----|------|------|-------|-------|------|-------|------|--------------------|-------|------|------|-------|-------|-------|------|-------|-----------|
| | | A | B | D | 2E | 2F | H | R | U | N-W | AA | BA | ES | C | G | J | O | P | S | T | AB | Bearings |
| 182T | 2,4,6 | 9 | 8.31 | 4.5 | 7.5 | 4.5 | 0.41 | 0.986 | 1.125 | 2.75 | 1 | 2.75 | 1.94 | 17.7 | 0.6 | 2.13 | 9.09 | 9.53 | 0.25 | 1.77 | 7.9 | 6306 2Z |
| 184T | 2,4,6 | 9 | 8.31 | 4.5 | 7.5 | 5.5 | 0.41 | 0.986 | 1.125 | 2.75 | 1 | 2.75 | 1.94 | 17.7 | 0.6 | 2.13 | 9.09 | 9.53 | 0.25 | 1.77 | 7.9 | 6306 2Z |
| 213T | 2,4,6 | 10.24 | 8.7 | 5.25 | 8.5 | 5.5 | 0.41 | 1.201 | 1.375 | 3.38 | 1 | 3.5 | 2.55 | 22.25 | 0.67 | 2.2 | 10.96 | 11.61 | 0.312 | 2.08 | 8.92 | 6308/6 2Z |
| 215T | 2,4,6 | 10.24 | 10.28 | 5.25 | 8.5 | 7 | 0.41 | 1.201 | 1.375 | 3.38 | 1 | 3.5 | 2.55 | 22.88 | 0.67 | 2.2 | 10.96 | 11.61 | 0.312 | 2.08 | 8.92 | 6308/6 2Z |
| 254T | 2,4,6 | 12.28 | 9.92 | 6.25 | 10 | 8.25 | 0.55 | 1.416 | 1.625 | 4 | 1 1/4 | 4.25 | 3.11 | 25.83 | 0.58 | 2.36 | 13.18 | 14.17 | 0.375 | 2.08 | 10.08 | 6309 2Z |
| 256T | 2,4,6 | 12.28 | 11.65 | 6.25 | 10 | 10 | 0.55 | 1.416 | 1.625 | 4 | 1 1/4 | 4.25 | 3.11 | 27.6 | 0.58 | 2.36 | 13.18 | 14.17 | 0.375 | 2.08 | 10.08 | 6309 2Z |
| 284T | 4,6 | 13.78 | 13.11 | 7 | 11 | 9.5 | 0.55 | 1.591 | 1.875 | 4.62 | 1 1/2 | 4.75 | 3.53 | 31.16 | 0.89 | 2.75 | 14.01 | 14.17 | 0.5 | 2.08 | 10.34 | 6311 2Z |
| 284TS | 2 | 13.78 | 13.11 | 7 | 11 | 9.5 | 0.55 | 1.416 | 1.625 | 3.25 | 1 1/2 | 4.75 | 2.1 | 27.2 | 0.89 | 2.75 | 14.01 | 14.17 | 0.375 | 2.08 | 10.34 | 6311 2Z |
| 286T | 4,6 | 13.78 | 13.11 | 7 | 11 | 11 | 0.55 | 1.591 | 1.875 | 4.62 | 1 1/2 | 4.75 | 3.53 | 31.16 | 0.89 | 2.75 | 14.01 | 14.17 | 0.5 | 2.08 | 10.34 | 6311 2Z |
| 286TS | 2 | 13.78 | 13.11 | 7 | 11 | 11 | 0.55 | 1.416 | 1.625 | 3.25 | 1 1/2 | 4.75 | 2.1 | 27.2 | 0.89 | 2.75 | 14.01 | 14.17 | 0.375 | 2.08 | 10.34 | 6311 2Z |

The conduit box can be rotated in 90° increments so that conduit can be received from any direction. Conduit box can be located on either side of motor.

Performance Premium 20N Series – 324TS-447T Footed Mounting Dimensions

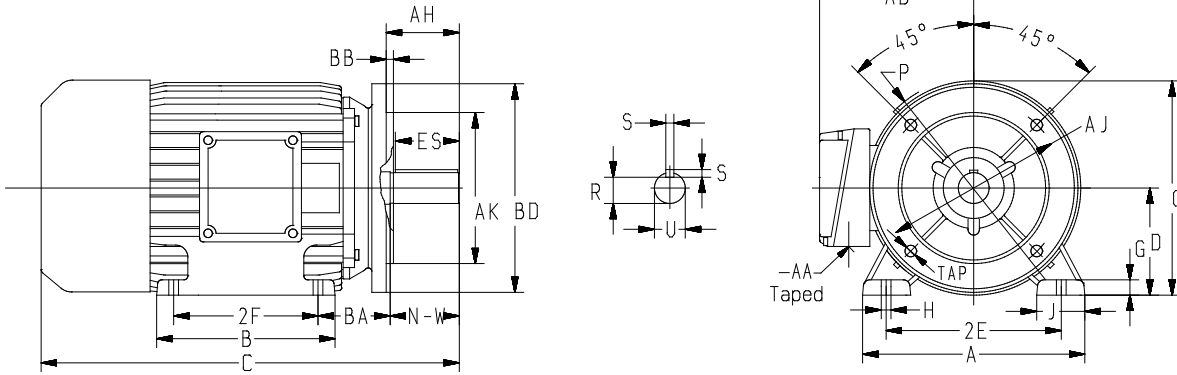


| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | | Overall Dimensions | | | | | | | | | | | |
|-------|------------|---------------------|------|-------|-------|-------|------|-----------|------|------|-------|-------|-------|--------------------|-----|------|------|------|------|------|------|------|------|------|----------|
| | | D | 2E | 2F1 | 2F2 | G | H | Shaft End | | | | | | A | AA | AB | B | C | J | K1 | K2 | O | P | T | Bearings |
| | | | | | | | | BA | ES | N-W | R | S | U | | | | | | | | | | | | |
| 324TS | 2 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 15.8 | 2 | 13 | 15 | 31.6 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 | 6312C3 |
| 324T | 4,6 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 4.33 | 5.25 | 1.845 | 0.5 | 2.125 | 15.8 | 2 | 13 | 15 | 33.1 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 | 6312C3 |
| 326TS | 2 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 15.8 | 2 | 13 | 15 | 31.6 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 | 6312C3 |
| 326T | 4,6 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 4.33 | 5.25 | 1.845 | 0.5 | 2.125 | 15.8 | 2 | 13 | 15 | 33.1 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 | 6312C3 |
| 364TS | 2 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 17.5 | 3 | 14.2 | 15 | 33.6 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 | 6313C3 |
| 364T | 4,6 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 4.92 | 5.88 | 2.021 | 0.625 | 2.375 | 17.5 | 3 | 14.2 | 15 | 35.7 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 | 6313C3 |
| 365TS | 2 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 17.5 | 3 | 14.2 | 15 | 33.6 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 | 6313C3 |
| 365T | 4,6 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 4.92 | 5.88 | 2.021 | 0.625 | 2.375 | 17.5 | 3 | 14.2 | 15 | 35.7 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 | 6313C3 |
| 404T | 6 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 6.3 | 7.25 | 2.45 | 0.75 | 2.875 | 18.9 | 3 | 15.5 | 17.6 | 40.4 | 3.54 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 | 6315C3 |
| 405TS | 2 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 3.5 | 4.25 | 1.845 | 0.5 | 2.125 | 18.9 | 3 | 15.5 | 17.6 | 37.4 | 3.54 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 | 6315C3 |
| 405T | 4,6 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 6.3 | 7.25 | 2.45 | 0.75 | 2.875 | 18.9 | 3 | 15.5 | 17.6 | 40.4 | 3.54 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 | 6315C3 |
| 444TS | 2 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 21.7 | 2x3 | 17.6 | 20.5 | 42 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 | 6315C3 |
| 444T | 4,6 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 21.7 | 2x3 | 17.6 | 20.5 | 45.7 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 | 6318C3 |
| 445TS | 2 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 21.7 | 2x3 | 17.6 | 20.5 | 42 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 | 6315C3 |
| 445T | 4,6 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 21.7 | 2x3 | 17.6 | 20.5 | 45.7 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 | 6318C3 |
| 447TS | 2 | 11 | 18 | 20 | - | 1.654 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 22.1 | 2x3 | 19.5 | 24 | 46.3 | 4.18 | 6.8 | 6.8 | 23.4 | 24.4 | 3.75 | 6315C3 |
| 447T | 4,6 | 11 | 18 | 20 | - | 1.654 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 22.1 | 2x3 | 19.5 | 24 | 50 | 4.18 | 6.8 | 6.8 | 23.4 | 24.4 | 3.75 | 6318C3 |

The conduit box can be rotated in 90° increments so that conduit can be received from any direction.

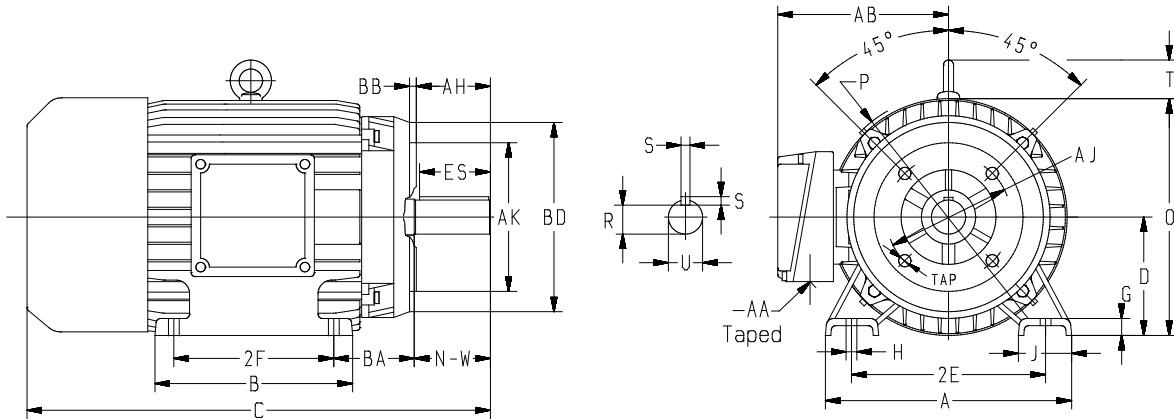
Performance Premium 20N Series – 143TC-286TSC C-Face
Mounting Dimensions

143TC-145TC



| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | | | | | Overall Dimensions | | | | | | | | | | |
|-------|------------|---------------------|------|-----|-----|----|------|-------|-------|-------|------|-------|-----|------|------|-----|--------------------|-------|------|------|------|------|------|-----|-----|--------|----------|
| | | A | B | D | 2E | 2F | H | R | S | U | AH | AJ | AK | BA | BB | BD | ES | C | G | J | O | P | N-W | AA | AB | Tap | Bearings |
| 143TC | 2,4,6 | 6.62 | 5.83 | 3.5 | 5.5 | 4 | 0.34 | 0.771 | 0.188 | 0.875 | 2.12 | 5.875 | 4.5 | 2.25 | 0.16 | 6.5 | 1.52 | 14.2 | 0.39 | 1.66 | 7.48 | 8.27 | 2.25 | 3/4 | 6.5 | 3/8/16 | 6205 2Z |
| 145TC | 2,4,6 | 6.62 | 7 | 3.5 | 5.5 | 5 | 0.34 | 0.771 | 0.188 | 0.875 | 2.12 | 5.875 | 4.5 | 2.25 | 0.16 | 6.5 | 1.52 | 15.15 | 0.39 | 1.66 | 7.48 | 8.27 | 2.25 | 3/4 | 6.5 | 3/8/16 | 6205 2Z |

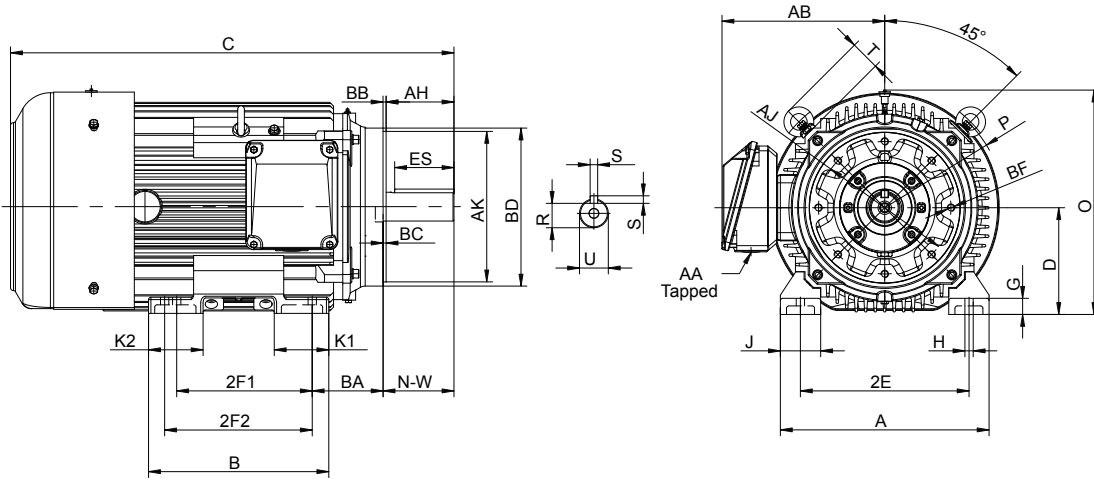
182TC-286TSC



| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | | | | | Overall Dimensions | | | | | | | | | | | |
|--------|------------|---------------------|-------|------|-----|------|------|-------|-------|-------|------|------|------|------|------|-------|--------------------|-------|------|------|-------|-------|------|------|-------|-------|--------|-----------|
| | | A | B | D | 2E | 2F | H | R | S | U | AH | AJ | AK | BA | BB | BD | ES | C | G | J | O | P | T | N-W | AA | AB | Tap | Bearings |
| 182TC | 2,4,6 | 9 | 8.31 | 4.5 | 7.5 | 4.5 | 0.41 | 0.986 | 0.25 | 1.125 | 2.62 | 7.25 | 8.5 | 2.75 | 0.25 | 8.9 | 1.94 | 17.7 | 0.6 | 2.13 | 9.09 | 9.53 | 1.77 | 2.75 | 1 | 7.9 | 1/2/13 | 6306 2Z |
| 184TC | 2,4,6 | 9 | 8.31 | 4.5 | 7.5 | 5.5 | 0.41 | 0.986 | 0.25 | 1.125 | 2.62 | 7.25 | 8.5 | 2.75 | 0.25 | 8.9 | 1.94 | 17.7 | 0.6 | 2.13 | 9.09 | 9.53 | 1.77 | 2.75 | 1 | 7.9 | 1/2/13 | 6306 2Z |
| 213TC | 2,4,6 | 10.24 | 8.7 | 5.25 | 8.5 | 5.5 | 0.41 | 1.201 | 0.312 | 1.375 | 3.13 | 7.25 | 8.5 | 3.5 | 0.25 | 8.9 | 2.55 | 22.25 | 0.67 | 2.2 | 10.96 | 11.61 | 2.08 | 3.38 | 1 | 8.92 | 1/2/13 | 6308/6 2Z |
| 215TC | 2,4,6 | 10.24 | 10.28 | 5.25 | 8.5 | 7 | 0.41 | 1.201 | 0.312 | 1.375 | 3.13 | 7.25 | 8.5 | 3.5 | 0.25 | 8.9 | 2.55 | 22.88 | 0.67 | 2.2 | 10.96 | 11.61 | 2.08 | 3.38 | 1 | 8.92 | 1/2/13 | 6308/6 2Z |
| 254TC | 2,4,6 | 12.28 | 9.92 | 6.25 | 10 | 8.25 | 0.55 | 1.416 | 0.375 | 1.625 | 3.75 | 7.25 | 8.5 | 4.25 | 0.25 | 10 | 3.11 | 25.83 | 0.58 | 2.36 | 13.18 | 14.17 | 2.08 | 4 | 1 1/4 | 10.08 | 1/2/13 | 6309 2Z |
| 256TC | 2,4,6 | 12.28 | 11.65 | 6.25 | 10 | 10 | 0.55 | 1.416 | 0.375 | 1.625 | 3.75 | 7.25 | 8.5 | 4.25 | 0.25 | 10 | 3.11 | 27.6 | 0.58 | 2.36 | 13.18 | 14.17 | 2.08 | 4 | 1 1/4 | 10.08 | 1/2/13 | 6309 2Z |
| 284TC | 4,6 | 13.78 | 13.11 | 7 | 11 | 9.5 | 0.55 | 1.591 | 0.5 | 1.875 | 4.38 | 9 | 10.5 | 4.75 | 0.25 | 11.25 | 3.53 | 31.16 | 0.89 | 2.75 | 14.01 | 14.17 | 2.08 | 4.62 | 1 1/2 | 10.34 | 1/2/13 | 6311 2Z |
| 284TSC | 2 | 13.78 | 13.11 | 7 | 11 | 9.5 | 0.55 | 1.416 | 0.375 | 1.625 | 3 | 9 | 10.5 | 4.75 | 0.25 | 11.25 | 2.1 | 27.2 | 0.89 | 2.75 | 14.01 | 14.17 | 2.08 | 3.25 | 1 1/2 | 10.34 | 1/2/13 | 6311 2Z |
| 286TC | 4,6 | 13.78 | 13.11 | 7 | 11 | 11 | 0.55 | 1.591 | 0.5 | 1.875 | 4.38 | 9 | 10.5 | 4.75 | 0.25 | 11.25 | 3.53 | 31.16 | 0.89 | 2.75 | 14.01 | 14.17 | 2.08 | 4.62 | 1 1/2 | 10.34 | 1/2/13 | 6311 2Z |
| 286TSC | 2 | 13.78 | 13.11 | 7 | 11 | 11 | 0.55 | 1.416 | 0.375 | 1.625 | 3 | 9 | 10.5 | 4.75 | 0.25 | 11.25 | 2.1 | 27.2 | 0.89 | 2.75 | 14.01 | 14.17 | 2.08 | 3.25 | 1 1/2 | 10.34 | 1/2/13 | 6311 2Z |

The conduit box can be rotated in 90° increments so that conduit can be received from any direction. Conduit box can be located on either side of motor.

Performance Premium 20N Series – 324TSC-447TC C-Face Mounting Dimensions



| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | | | | | | | |
|--------|------------|---------------------|------|-------|-------|-------|------|-----------|------|------|-------|-------|--------|------|------|------|-------|--------|---|
| | | D | 2E | 2F1 | 2F2 | G | H | Shaft End | | | | | C-Face | | | | | | |
| | | | | | | | | BA | ES | N-W | R | S | U | AH | AJ | AK | BB/BC | BF | |
| | | | | | | | | | | | | | | | | | | Size | # |
| 324TSC | 2 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 3.5 | 11.0 | 12.5 | 0.25 | 5/8/11 | 4 |
| 324TC | 4,6 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 4.33 | 5.25 | 1.845 | 0.5 | 2.125 | 5.0 | 11.0 | 12.5 | 0.25 | 5/8/11 | 4 |
| 326TSC | 2 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 3.5 | 11.0 | 12.5 | 0.25 | 5/8/11 | 4 |
| 326TC | 4,6 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 4.33 | 5.25 | 1.845 | 0.5 | 2.125 | 5.0 | 11.0 | 12.5 | 0.25 | 5/8/11 | 4 |
| 364TSC | 2 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 3.5 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 364TC | 4,6 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 4.92 | 5.88 | 2.021 | 0.625 | 2.375 | 5.63 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 365TSC | 2 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 3.5 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 365TC | 4,6 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 4.92 | 5.88 | 2.021 | 0.625 | 2.375 | 5.63 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 404TC | 6 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 6.3 | 7.25 | 2.45 | 0.75 | 2.875 | 7.0 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 405TSC | 2 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 3.5 | 4.25 | 1.845 | 0.5 | 2.125 | 4.0 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 405TC | 4,6 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 6.3 | 7.25 | 2.45 | 0.75 | 2.875 | 7.0 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 444TSC | 2 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 4.5 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |
| 444TC | 4,6 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 8.25 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |
| 445TSC | 2 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 4.5 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |
| 445TC | 4,6 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 8.25 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |
| 447TSC | 2 | 11 | 18 | 20 | - | 1.654 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 4.5 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |
| 447TC | 4,6 | 11 | 18 | 20 | - | 1.654 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 8.25 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |

| Frame | # of Poles | Overall Dimensions | | | | | | | | | | | |
|--------|------------|--------------------|-----|------|------|------|------|------|------|------|------|------|------|
| | | A | AA | AB | B | BD | C | J | K1 | K2 | O | P | T |
| 324TSC | 2 | 15.8 | 2 | 13 | 15 | 13.0 | 31.6 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 |
| 324TC | 4,6 | 15.8 | 2 | 13 | 15 | 13.0 | 33.1 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 |
| 326TSC | 2 | 15.8 | 2 | 13 | 15 | 13.0 | 31.6 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 |
| 326TC | 4,6 | 15.8 | 2 | 13 | 15 | 13.0 | 33.1 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 |
| 364TSC | 2 | 17.5 | 3 | 14.2 | 15 | 13.2 | 33.6 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 |
| 364TC | 4,6 | 17.5 | 3 | 14.2 | 15 | 13.2 | 35.7 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 |
| 365TSC | 2 | 17.5 | 3 | 14.2 | 15 | 13.2 | 33.6 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 |
| 365TC | 4,6 | 17.5 | 3 | 14.2 | 15 | 13.2 | 35.7 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 |
| 404TC | 6 | 18.9 | 3 | 15.5 | 17.6 | 13.2 | 40.4 | 3.55 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 |
| 405TSC | 2 | 18.9 | 3 | 15.5 | 17.6 | 13.2 | 37.4 | 3.55 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 |
| 405TC | 4,6 | 18.9 | 3 | 15.5 | 17.6 | 13.2 | 40.4 | 3.55 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 |
| 444TSC | 2 | 21.7 | 2x3 | 17.6 | 20.5 | 16.6 | 42 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 |
| 444TC | 4,6 | 21.7 | 2x3 | 17.6 | 20.5 | 16.6 | 45.7 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 |
| 445TSC | 2 | 21.7 | 2x3 | 17.6 | 20.5 | 16.6 | 42 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 |
| 445TC | 4,6 | 21.7 | 2x3 | 17.6 | 20.5 | 16.6 | 45.7 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 |
| 447TSC | 2 | 22.1 | 2x3 | 19.5 | 24 | 16.6 | 46.3 | 4.18 | 6.8 | 6.8 | 23.4 | 24.4 | 3.75 |
| 447TC | 4,6 | 22.1 | 2x3 | 19.5 | 24 | 16.6 | 50 | 4.18 | 6.8 | 6.8 | 23.4 | 24.4 | 3.75 |

The conduit box can be rotated in 90° increments so that conduit can be received from any direction.

All-Purpose Premium 31N Series – 143T-286TS Footed Mounting Dimensions

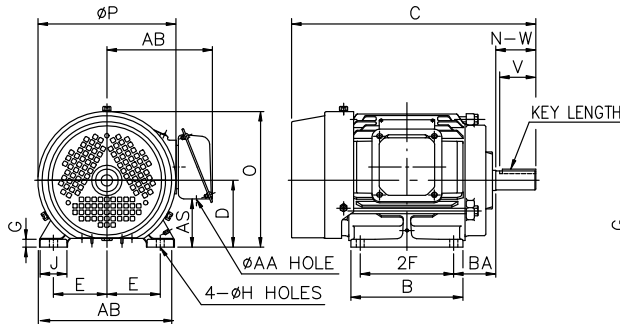


FIG. 1

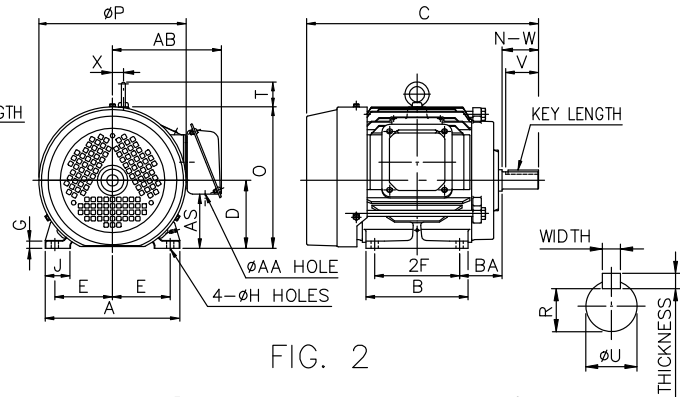


FIG. 2

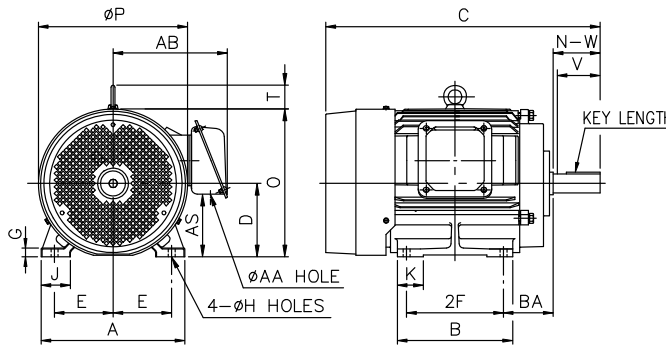


FIG. 3

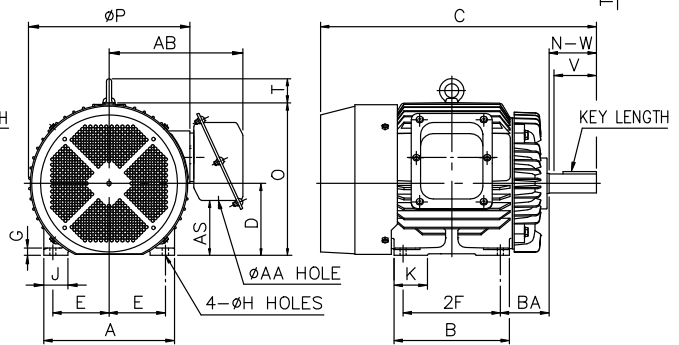


FIG. 4

| Frame | Fig No | Mounting | | | BA | A | B | C | D | G | J | K | X | P | O+T | Key | | | Key Seat R | Conduit Box | | | Shaft Extension | | | Bearings | |
|-------|--------|----------|-------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|------------|-------------|-------|------|-----------------|-------|--------|----------|--------|
| | | E | 2F | ØH | | | | | | | | | | | | W | T | L | | ØAA | AB | AS | N-W | ØU | V | DE | ODE |
| 143T | 1 | 2.75 | 4.00 | 0.34 | 2.25 | 6.93 | 4.88 | 12.25 | 3.50 | 0.35 | 1.57 | - | - | 8.15 | 7.57 | 0.188 | 0.188 | 1.375 | 0.771 | 1.10 | 7.00 | 2.63 | 2.25 | 0.875 | 2.20 | 6205ZZ | 6205ZZ |
| 145T | | 2.75 | 5.00 | 0.34 | 2.25 | 6.93 | 5.87 | 13.24 | 3.50 | 0.35 | 1.57 | - | - | 8.15 | 7.57 | 0.188 | 0.188 | 1.375 | 0.771 | 1.10 | 7.00 | 2.63 | 2.25 | 0.875 | 2.20 | 6205ZZ | 6205ZZ |
| 182T | 2 | 3.75 | 4.50 | 0.41 | 2.75 | 8.66 | 5.59 | 14.43 | 4.50 | 0.56 | 1.57 | - | 0.71 | 9.55 | 10.90 | 0.250 | 0.250 | 1.750 | 0.986 | 1.10 | 7.87 | 3.74 | 2.75 | 1.125 | 2.70 | 6207ZZ | 6206ZZ |
| 184T | | 3.75 | 5.50 | 0.41 | 2.75 | 8.66 | 6.61 | 15.42 | 4.50 | 0.56 | 1.57 | - | 0.71 | 9.55 | 10.90 | 0.250 | 0.250 | 1.750 | 0.986 | 1.10 | 7.87 | 3.74 | 2.75 | 1.125 | 2.70 | 6207ZZ | 6206ZZ |
| 213T | 3 | 4.25 | 5.50 | 0.41 | 3.50 | 10.23 | 6.89 | 17.94 | 5.25 | 0.65 | 1.97 | - | - | 11.20 | 12.49 | 0.312 | 0.312 | 2.375 | 1.201 | 1.38 | 8.60 | 4.40 | 3.38 | 1.375 | 3.30 | 6308ZZ | 6208ZZ |
| 215T | | 4.25 | 7.00 | 0.41 | 3.50 | 10.23 | 8.39 | 19.43 | 5.25 | 0.65 | 1.97 | - | - | 11.20 | 12.49 | 0.312 | 0.312 | 2.375 | 1.201 | 1.38 | 8.60 | 4.40 | 3.38 | 1.375 | 3.30 | 6308ZZ | 6208ZZ |
| 254T | | 5.00 | 8.25 | 0.53 | 4.25 | 12.12 | 9.84 | 23.40 | 6.25 | 0.71 | 2.36 | - | - | 12.80 | 14.60 | 0.375 | 0.375 | 2.910 | 1.416 | 2.05 | 10.43 | 5.20 | 4.00 | 1.625 | 3.90 | 6310ZZ | 6208ZZ |
| 256T | 4 | 5.00 | 10.00 | 0.53 | 4.25 | 12.12 | 11.60 | 25.10 | 6.25 | 0.71 | 2.36 | - | - | 12.80 | 14.60 | 0.375 | 0.375 | 2.910 | 1.416 | 2.05 | 10.43 | 5.20 | 4.00 | 1.625 | 3.90 | 6310ZZ | 6208ZZ |
| 284T | | 5.50 | 9.50 | 0.53 | 4.75 | 12.76 | 11.26 | 26.90 | 7.00 | 0.79 | 2.36 | 3.25 | - | 15.75 | 17.30 | 0.500 | 0.500 | 3.280 | 1.591 | 2.48 | 13.40 | 4.05 | 4.62 | 1.875 | 4.50 | 6310ZZ | 6210ZZ |
| 284TS | | 5.50 | 9.50 | 0.53 | 4.75 | 12.76 | 11.26 | 25.53 | 7.00 | 0.79 | 2.36 | 3.25 | - | 15.75 | 17.30 | 0.375 | 0.375 | 1.910 | 1.416 | 2.48 | 13.40 | 4.05 | 3.25 | 1.625 | 3.20 | 6310ZZ | 6210ZZ |
| 286T | | 5.50 | 11.00 | 0.53 | 4.75 | 12.76 | 12.76 | 28.40 | 7.00 | 0.79 | 2.36 | 3.25 | - | 15.75 | 17.30 | 0.500 | 0.500 | 3.280 | 1.591 | 2.48 | 13.40 | 4.05 | 4.62 | 1.875 | 4.50 | 6310ZZ | 6210ZZ |
| 286TS | 5.50 | 11.00 | 0.53 | 4.75 | 12.76 | 12.76 | 27.03 | 7.00 | 0.79 | 2.36 | 3.25 | - | 15.75 | 17.30 | 0.375 | 0.375 | 1.910 | 1.416 | 2.48 | 13.40 | 4.05 | 3.25 | 1.625 | 3.20 | 6310ZZ | 6210ZZ | |

Tolerance on dimension D: +0.00 inch, -0.06 inch

Tolerance on dimension U: +0.000 inch, -0.0005 inch for frames 143T-215T; +0.000 inch, -0.001 inch for frames 254T-365T

Tolerance on dimension R: +0.000 inch, -0.015 inch.

Dimension V is length of straight part shaft.

All 2-pole motors are used for direct coupling only. For belt drive applications, please contact Elektrim Motors Engineering. In all frames, ball bearings for direct coupling applications.

The conduit box can be rotated in 90° increments so that conduit can be received from any direction. Conduit box can be located on either side of motor.

All-Purpose Premium 31N Series – 324T-365TS Footed Mounting Dimensions

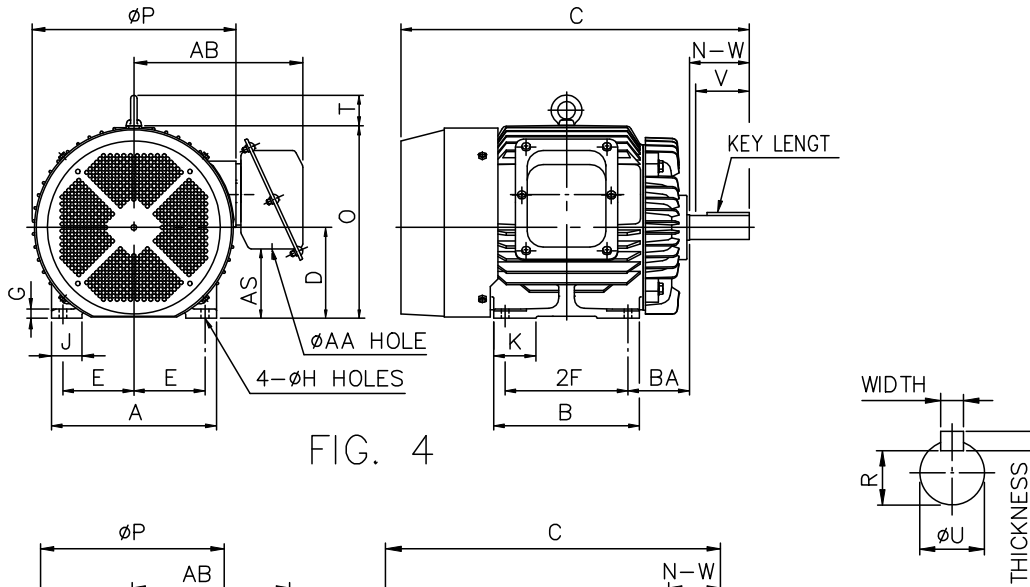


FIG. 4

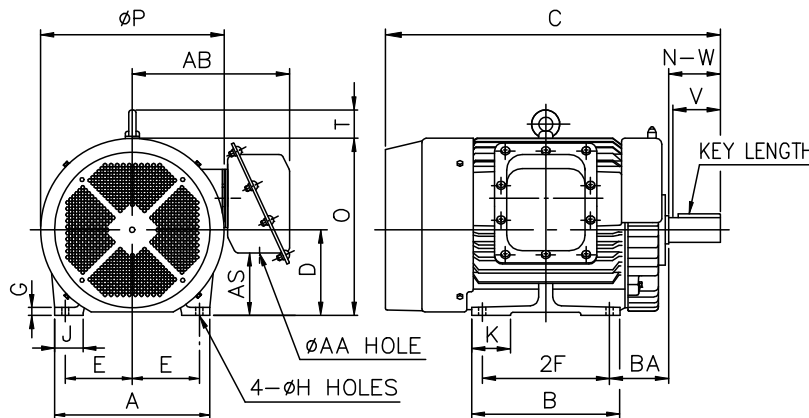


FIG. 5

| Frame | Fig No | Mounting | | | | | | | | | | | | | | Key | | | Key Seat R | | | Conduit Box | | | Shaft Extension | | | Bearings | |
|-------|--------|----------|-------|------|------|-------|-------|-------|------|------|------|------|---|-------|-------|-------|-------|-------|------------|------|-------|-------------|------|-------|-----------------|--------|--------|----------|--|
| | | E | 2F | ØH | BA | A | B | C | D | G | J | K | X | P | O+T | W | T | L | ØAA | AB | AS | N-W | ØU | V | DE | ODE | | | |
| 324T | 4 | 6.25 | 10.50 | 0.66 | 5.25 | 14.88 | 12.68 | 29.82 | 8.00 | 0.91 | 3.15 | 3.15 | - | 17.75 | 19.13 | 0.500 | 0.500 | 3.910 | 1.845 | 2.48 | 14.40 | 5.44 | 5.25 | 2.125 | 5.00 | 6312 | 6212 | | |
| 324TS | | 6.25 | 10.50 | 0.66 | 5.25 | 14.88 | 12.68 | 28.32 | 8.00 | 0.91 | 3.15 | 3.15 | - | 17.75 | 19.13 | 0.500 | 0.500 | 2.030 | 1.591 | 2.48 | 14.40 | 5.44 | 3.75 | 1.875 | 3.50 | 6312C3 | 6212C3 | | |
| 326T | | 6.25 | 12.00 | 0.66 | 5.25 | 14.88 | 14.17 | 31.32 | 8.00 | 0.91 | 3.15 | 3.15 | - | 17.75 | 19.13 | 0.500 | 0.500 | 3.910 | 1.845 | 2.48 | 14.40 | 5.44 | 5.25 | 2.125 | 5.00 | 6312 | 6212 | | |
| 326TS | | 6.25 | 12.00 | 0.66 | 5.25 | 14.88 | 14.17 | 29.82 | 8.00 | 0.91 | 3.15 | 3.15 | - | 17.75 | 19.13 | 0.500 | 0.500 | 2.030 | 1.591 | 2.48 | 14.40 | 5.44 | 3.75 | 1.875 | 3.50 | 6312C3 | 6212C3 | | |
| 364T | 5 | 7.00 | 11.25 | 0.66 | 5.88 | 16.40 | 14.40 | 32.54 | 9.00 | 0.98 | 3.15 | 4.73 | - | 19.10 | 21.30 | 0.625 | 0.625 | 4.280 | 2.021 | 3.58 | 16.50 | 5.85 | 5.88 | 2.375 | 5.75 | 6215 | 6312 | | |
| 364TS | | 7.00 | 11.25 | 0.66 | 5.88 | 16.40 | 14.40 | 30.41 | 9.00 | 0.98 | 3.15 | 4.73 | - | 19.10 | 21.30 | 0.500 | 0.500 | 2.030 | 1.591 | 3.58 | 16.50 | 5.85 | 3.75 | 1.875 | 3.50 | 6312C3 | 6312C3 | | |
| 365T | | 7.00 | 12.25 | 0.66 | 5.88 | 16.40 | 15.40 | 33.52 | 9.00 | 0.98 | 3.15 | 4.73 | - | 19.10 | 21.30 | 0.625 | 0.625 | 4.280 | 2.021 | 3.58 | 16.50 | 5.85 | 5.88 | 2.375 | 5.75 | 6215 | 6312 | | |
| 365TS | | 7.00 | 12.25 | 0.66 | 5.88 | 16.40 | 15.40 | 31.39 | 9.00 | 0.98 | 3.15 | 4.73 | - | 19.10 | 21.30 | 0.500 | 0.500 | 2.030 | 1.591 | 3.58 | 16.50 | 5.85 | 3.75 | 1.875 | 3.50 | 6312C3 | 6312C3 | | |
| 405T | | 8.00 | 13.75 | 0.81 | 6.62 | 19.13 | 17.68 | 40.60 | 10.0 | 1.34 | 3.94 | 5.91 | - | 23.60 | 24.5 | 0.750 | 0.750 | 5.650 | 2.450 | 4.65 | 20.87 | - | 8.75 | 3.375 | 8.25 | 6218 | 6313 | | |
| 405TS | | 8.00 | 13.75 | 0.81 | 6.62 | 19.13 | 17.68 | 37.60 | 10.0 | 1.34 | 3.94 | 5.91 | - | 23.60 | 24.5 | 0.500 | 0.500 | 2.780 | 1.845 | 4.65 | 20.87 | - | 4.75 | 2.375 | 4.50 | 6313 | 6313 | | |
| 444T | | 9.00 | 14.50 | 0.81 | 7.50 | 22.05 | 17.32 | 46.10 | 11.0 | 1.18 | 4.33 | 4.72 | - | 25.83 | 26.54 | 0.875 | 0.875 | 6.910 | 2.880 | 4.65 | 22.24 | - | 8.50 | 3.375 | 8.25 | 6220 | 6315 | | |
| 444TS | | 9.00 | 14.50 | 0.81 | 7.50 | 22.05 | 17.32 | 42.35 | 11.0 | 1.18 | 4.33 | 4.72 | - | 25.83 | 26.54 | 0.625 | 0.625 | 3.030 | 2.021 | 4.65 | 22.24 | - | 4.75 | 2.375 | 4.5 | 6313 | 6313 | | |

Tolerance on dimension D: +0.00 inch, -0.06 inch

Tolerance on dimension U: +0.000 inch, -0.0005 inch for frames 143T-215T; +0.000 inch, -0.001 inch for frames 254T-365T

Tolerance on dimension R: +0.000 inch, -0.015 inch.

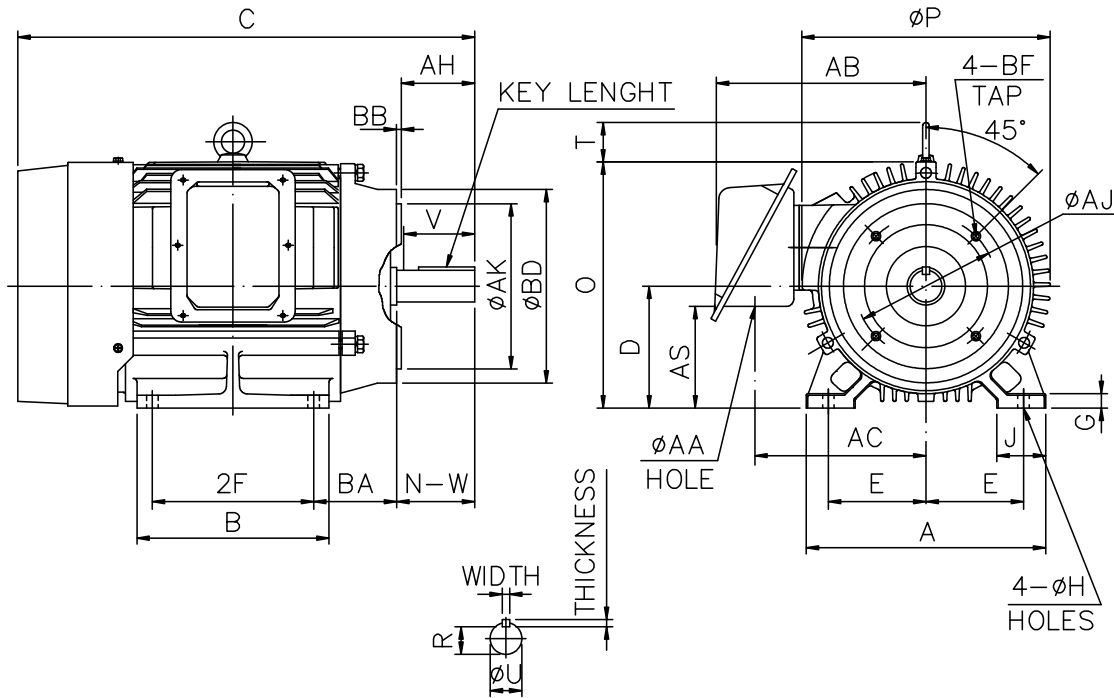
Dimension V is length of straight part shaft.

All 2-pole motors are used for direct coupling only. For belt drive applications, please contact Elektrim Motors Engineering.

In all frames, ball bearings for direct coupling applications.

The conduit box can be rotated in 90° increments so that conduit can be received from any direction. Conduit box can be located on either side of motor.

All-Purpose Premium 31N Series – 143TC-365TC C-Face Mounting Dimensions



| Frame | Flange | | | | | BF Hole | | U | AH | Key Seat | | |
|--------|--------|------|-------|------|------|---------|--------|-------|------|----------|--------|-------|
| | AJ | AK | BD | BB | BA | NO | SIZE | | | R | Length | Width |
| 143TC | 5.875 | 4.5 | 6.5 | 0.16 | 2.25 | 4 | 3/8-16 | 0.875 | 2.12 | 0.771 | 1.375 | 0.188 |
| 145TC | 5.875 | 4.5 | 6.5 | 0.16 | 2.25 | 4 | 3/8-16 | 0.875 | 2.12 | 0.771 | 1.375 | 0.188 |
| 182TC | 7.25 | 8.5 | 9 | 0.25 | 2.75 | 4 | 1/2-13 | 1.125 | 2.62 | 0.986 | 1.75 | 0.25 |
| 184TC | 7.25 | 8.5 | 9 | 0.25 | 2.75 | 4 | 1/2-13 | 1.125 | 2.62 | 0.986 | 1.75 | 0.25 |
| 213TC | 7.25 | 8.5 | 9 | 0.25 | 3.5 | 4 | 1/2-13 | 1.375 | 3.12 | 1.201 | 2.375 | 0.312 |
| 215TC | 7.25 | 8.5 | 9 | 0.25 | 3.5 | 4 | 1/2-13 | 1.375 | 3.12 | 1.201 | 2.375 | 0.312 |
| 254TC | 7.25 | 8.5 | 10 | 0.25 | 4.25 | 4 | 1/2-13 | 1.625 | 3.75 | 1.416 | 2.91 | 0.375 |
| 256TC | 7.25 | 8.5 | 10 | 0.25 | 4.25 | 4 | 1/2-13 | 1.625 | 3.75 | 1.416 | 2.91 | 0.375 |
| 284TC | 9 | 10.5 | 11.25 | 0.25 | 4.75 | 4 | 1/2-13 | 1.875 | 4.38 | 1.591 | 3.28 | 0.5 |
| 284TSC | 9 | 10.5 | 11.25 | 0.25 | 4.75 | 4 | 1/2-13 | 1.625 | 3 | 1.416 | 1.91 | 0.375 |
| 286TC | 9 | 10.5 | 11.25 | 0.25 | 4.75 | 4 | 1/2-13 | 1.875 | 4.38 | 1.591 | 3.28 | 0.5 |
| 286TSC | 9 | 10.5 | 11.25 | 0.25 | 4.75 | 4 | 1/2-13 | 1.625 | 3 | 1.416 | 1.91 | 0.375 |
| 324TC | 11 | 12.5 | 14 | 0.25 | 5.25 | 4 | 5/8-11 | 2.125 | 5 | 1.845 | 3.91 | 0.5 |
| 324TSC | 11 | 12.5 | 14 | 0.25 | 5.25 | 4 | 5/8-11 | 1.875 | 3.5 | 1.591 | 2.03 | 0.5 |
| 326TC | 11 | 12.5 | 14 | 0.25 | 5.25 | 4 | 5/8-11 | 2.125 | 5 | 1.845 | 3.91 | 0.5 |
| 326TSC | 11 | 12.5 | 14 | 0.25 | 5.25 | 4 | 5/8-11 | 1.875 | 3.5 | 1.591 | 2.03 | 0.5 |
| 364TC | 11 | 12.5 | 14 | 0.25 | 5.88 | 8 | 5/8-11 | 2.375 | 5.62 | 2.021 | 4.28 | 0.625 |
| 364TSC | 11 | 12.5 | 14 | 0.25 | 5.88 | 8 | 5/8-11 | 1.875 | 3.5 | 1.591 | 2.03 | 0.5 |
| 365TC | 11 | 12.5 | 14 | 0.25 | 5.88 | 8 | 5/8-11 | 2.375 | 5.62 | 2.021 | 4.28 | 0.625 |
| 365TSC | 11 | 12.5 | 14 | 0.25 | 5.88 | 8 | 5/8-11 | 1.875 | 3.5 | 1.591 | 2.03 | 0.5 |
| 405TC | 11 | 12.5 | 15.5 | 0.25 | 6.62 | 8 | 5/8-11 | 3.375 | 8.25 | 2.45 | 5.65 | 0.75 |
| 405TSC | 11 | 12.5 | 15.5 | 0.25 | 6.62 | 8 | 5/8-11 | 2.375 | 4.5 | 1.845 | 2.78 | 0.50 |
| 444TC | 14 | 16.0 | 16.93 | 0.25 | 7.50 | 8 | 5/8-11 | 3.375 | 8.25 | 2.88 | 6.91 | 0.875 |
| 444TSC | 14 | 16.0 | 16.93 | 0.25 | 7.50 | 8 | 5/8-11 | 2.375 | 4.5 | 2.021 | 3.03 | 0.625 |

Tolerance of shaft end diameter dimension U: +0.000 inch, -0.001 inch

Tolerance of shaft center height dimension D: +0.000 inch, -0.03 inch

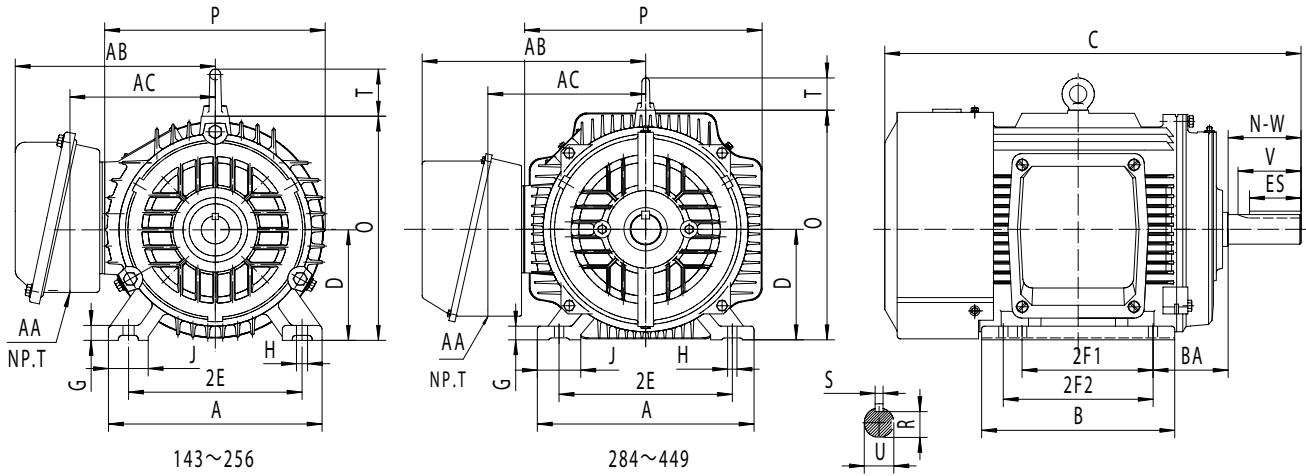
Tolerance on dimension R: +0.000 inch, -0.015 inch.

Tolerance on dimension AK: +0.000 inch, -0.003 inch.

Dimension V is length of straight part shaft.

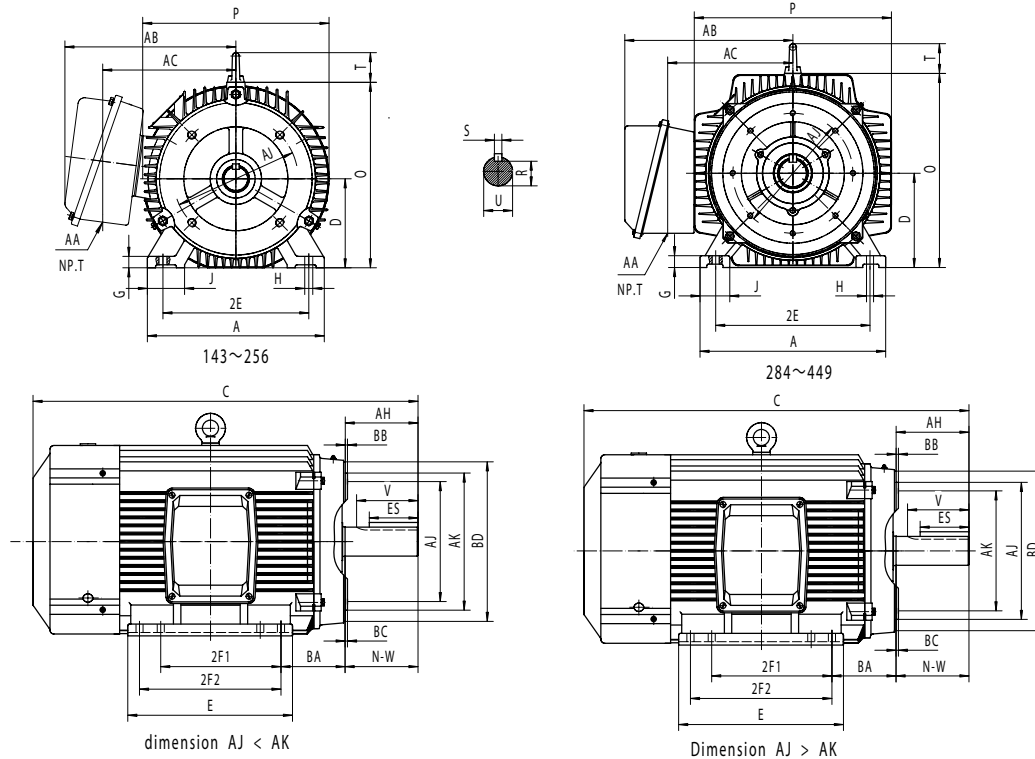
The conduit box can be rotated in 90° increments so that conduit can be received from any direction. Conduit box can be located on either side of motor.

All-Purpose Premium 32N Series – 143T-449TS Footed Mounting Dimensions



| Frame | Mounting | | | | | A | B | C | D | G | J | O | P | R | S | T | AB | AC | AA | Shaft Extension | | | Bearings | |
|-------|----------|-------|-------|------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|------|------|-------|-------|-----------------|-------|------|----------|----------|
| | 2E | 2F1 | 2F2 | H | BA | | | | | | | | | | | | | | | N-W | U | V | DE | ODE |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 143T | 5.5 | 4.0 | — | 0.34 | 2.25 | 7.0 | 6.0 | 13.5 | 3.5 | 0.512 | 1.45 | 7.3 | 7.2 | 0.771 | 0.188 | 0 | 6.7 | 5 | 3/4 | 2.25 | 0.875 | 2.0 | 6205-2RS | 6205-2RS |
| 145T | 5.5 | 4.0 | 5.0 | 0.34 | 2.25 | 7.0 | 6.8 | 14.5 | 3.5 | 0.512 | 1.45 | 7.3 | 7.2 | 0.771 | 0.188 | 0 | 6.7 | 5 | 3/4 | 2.25 | 0.875 | 2.0 | 6205-2RS | 6205-2RS |
| 182T | 7.5 | 4.5 | — | 0.41 | 2.75 | 9 | 7.7 | 16.2 | 4.5 | 0.669 | 1.77 | 9.1 | 9.37 | 0.986 | 0.250 | 1.58 | 7.8 | 6.1 | 3/4 | 2.75 | 1.125 | 2.5 | 6206-2RS | 6206-2RS |
| 184T | 7.5 | 4.5 | 5.5 | 0.41 | 2.75 | 9 | 8.7 | 17.1 | 4.5 | 0.669 | 1.77 | 9.1 | 9.37 | 0.986 | 0.250 | 1.58 | 7.8 | 6.1 | 3/4 | 2.75 | 1.125 | 2.5 | 6206-2RS | 6206-2RS |
| 213T | 8.5 | 5.5 | — | 0.41 | 3.5 | 10.5 | 7.5 | 18 | 5.25 | 0.787 | 1.97 | 10.9 | 10.9 | 1.201 | 0.312 | 1.97 | 10 | 7.09 | 1 | 3.38 | 1.375 | 3.12 | 6208-2RS | 6208-2RS |
| 215T | 8.5 | 5.5 | 7.0 | 0.41 | 3.5 | 10.5 | 9.0 | 20 | 5.25 | 0.787 | 1.97 | 10.9 | 10.9 | 1.201 | 0.312 | 1.97 | 10 | 7.09 | 1 | 3.38 | 1.375 | 3.12 | 6208-2RS | 6208-2RS |
| 254T | 10 | 8.25 | — | 0.53 | 4.25 | 12.5 | 10.8 | 23.45 | 6.25 | 0.83 | 2.56 | 13 | 13.58 | 1.416 | 0.375 | 2.35 | 11 | 8.6 | 1-1/4 | 4.0 | 1.625 | 3.75 | 6309 | 6309 |
| 256T | 10 | 8.25 | 10.0 | 0.53 | 4.25 | 12.5 | 12.5 | 25.2 | 6.25 | 0.83 | 2.56 | 13 | 13.58 | 1.416 | 0.375 | 2.35 | 11 | 8.6 | 1-1/4 | 4.0 | 1.625 | 3.75 | 6309 | 6309 |
| 284T | 11 | 9.5 | — | 0.53 | 4.75 | 14.0 | 12.5 | 26.6 | 7 | 0.94 | 2.76 | 14.6 | 15.1 | 1.591 | 0.5 | 2.35 | 14.2 | 10 | 1-1/2 | 4.62 | 1.875 | 4.38 | 6311 | 6311 |
| 284TS | 11 | 9.5 | — | 0.53 | 4.75 | 14.0 | 12.5 | 25.2 | 7 | 0.94 | 2.76 | 14.6 | 15.1 | 1.416 | 0.375 | 2.35 | 14.2 | 10 | 1-1/2 | 3.25 | 1.625 | 3 | 6311 | 6311 |
| 286T | 11 | 9.5 | 11.0 | 0.53 | 4.75 | 14.0 | 14 | 28.1 | 7 | 0.94 | 2.76 | 14.6 | 15.1 | 1.591 | 0.5 | 2.35 | 14.2 | 10 | 1-1/2 | 4.62 | 1.875 | 4.38 | 6311 | 6311 |
| 286TS | 11 | 9.5 | 11.0 | 0.53 | 4.75 | 14.0 | 14 | 26.7 | 7 | 0.94 | 2.76 | 14.6 | 15.1 | 1.416 | 0.375 | 2.35 | 14.2 | 10 | 1-1/2 | 3.25 | 1.625 | 3 | 6311 | 6311 |
| 324T | 12.5 | 10.5 | — | 0.66 | 5.25 | 16.0 | 14.8 | 31.7 | 8 | 0.98 | 2.76 | 16.4 | 16.7 | 1.845 | 0.5 | 2.5 | 15 | 10.9 | 2 | 5.25 | 2.125 | 5 | 6312 | 6312 |
| 324TS | 12.5 | 10.5 | — | 0.66 | 5.25 | 16.0 | 14.8 | 30.2 | 8 | 0.98 | 2.76 | 16.4 | 16.7 | 1.591 | 0.5 | 2.5 | 15 | 10.9 | 2 | 3.75 | 1.875 | 3.5 | 6312 | 6312 |
| 326T | 12.5 | 10.5 | 12.0 | 0.66 | 5.25 | 16.0 | 16.3 | 33.3 | 8 | 0.98 | 2.76 | 16.4 | 16.7 | 1.845 | 0.5 | 2.5 | 15 | 10.9 | 2 | 5.25 | 2.125 | 5 | 6312 | 6312 |
| 326TS | 12.5 | 10.5 | 12.0 | 0.66 | 5.25 | 16.0 | 16.3 | 31.7 | 8 | 0.98 | 2.76 | 16.4 | 16.7 | 1.591 | 0.5 | 2.5 | 15 | 10.9 | 2 | 3.75 | 1.875 | 3.5 | 6312 | 6312 |
| 364T | 14 | 11.25 | — | 0.66 | 5.88 | 18.0 | 16.3 | 33.7 | 9 | 0.98 | 3.11 | 18.31 | 18.1 | 2.021 | 0.625 | 2.5 | 17.5 | 12.85 | 3 | 5.88 | 2.375 | 5.62 | 6314 | 6314 |
| 364TS | 14 | 11.25 | — | 0.66 | 5.88 | 18.0 | 16.3 | 31.5 | 9 | 0.98 | 3.11 | 18.31 | 18.1 | 1.591 | 0.5 | 2.5 | 17.5 | 12.85 | 3 | 3.75 | 1.875 | 3.5 | 6314 | 6314 |
| 365T | 14 | 11.25 | 12.25 | 0.66 | 5.88 | 18.0 | 18.0 | 37.1 | 9 | 0.98 | 3.11 | 18.31 | 18.1 | 2.021 | 0.625 | 2.5 | 17.5 | 12.85 | 3 | 5.88 | 2.375 | 5.62 | 6314 | 6314 |
| 365TS | 14 | 11.25 | 12.25 | 0.66 | 5.88 | 18.0 | 18.0 | 34.65 | 9 | 0.98 | 3.11 | 18.31 | 18.1 | 1.591 | 0.5 | 2.5 | 17.5 | 12.85 | 3 | 3.75 | 1.875 | 3.5 | 6314 | 6314 |
| 404T | 16 | 12.25 | — | 0.81 | 6.62 | 20 | 19 | 40 | 10 | 1.18 | 3.15 | 20.12 | 20.3 | 2.45 | 0.75 | 2.5 | 18.8 | 12.2 | 3 | 7.25 | 2.875 | 7 | 6316 | 6316 |
| 404TS | 16 | 12.25 | — | 0.81 | 6.62 | 20 | 19 | 37 | 10 | 1.18 | 3.15 | 20.12 | 20.3 | 1.845 | 0.5 | 2.5 | 18.8 | 12.2 | 3 | 4.25 | 2.125 | 4 | 6316 | 6316 |
| 405T | 16 | 12.25 | 13.75 | 0.81 | 6.62 | 20 | 19 | 40 | 10 | 1.18 | 3.15 | 20.12 | 20.3 | 2.45 | 0.75 | 2.5 | 18.8 | 12.2 | 3 | 7.25 | 2.875 | 7 | 6316 | 6316 |
| 405TS | 16 | 12.25 | 13.75 | 0.81 | 6.62 | 20 | 19 | 37 | 10 | 1.18 | 3.15 | 20.12 | 20.3 | 1.845 | 0.5 | 2.5 | 18.8 | 12.2 | 3 | 4.25 | 2.125 | 4 | 6316 | 6316 |
| 444T | 18 | 14.5 | — | 0.81 | 7.5 | 21.65 | 20 | 45.1 | 11 | 1.38 | 3.46 | 22.5 | 23.1 | 2.88 | 0.875 | 3.7 | 19.7 | 14.76 | 3 | 8.5 | 3.375 | 8.25 | NU318 | 6318 |
| 444TS | 18 | 16.5 | — | 0.81 | 7.5 | 21.65 | 20 | 41.4 | 11 | 1.38 | 3.46 | 22.5 | 23.1 | 2.021 | 0.625 | 3.7 | 19.7 | 14.76 | 3 | 4.75 | 2.375 | 4.5 | 6316 | 6316 |
| 445T | 18 | 14.5 | 16.5 | 0.81 | 7.5 | 21.65 | 20 | 45.1 | 11 | 1.38 | 3.46 | 22.5 | 23.1 | 2.88 | 0.875 | 3.7 | 19.7 | 14.76 | 3 | 8.5 | 3.375 | 8.25 | NU318 | 6318 |
| 445TS | 18 | 14.5 | 16.5 | 0.81 | 7.5 | 22.0 | 20 | 41.4 | 11 | 1.38 | 3.46 | 22.5 | 23.1 | 2.021 | 0.625 | 3.7 | 19.7 | 14.76 | 3 | 4.75 | 2.375 | 4.5 | 6316 | 6316 |
| 447T | 18 | 20 | — | 0.81 | 7.5 | 22.0 | 28 | 53.6 | 11 | 1.38 | 3.46 | 22.5 | 23.1 | 2.88 | 0.875 | 3.7 | 19.7 | 14.76 | 3 | 8.5 | 3.375 | 8.25 | NU320 | 6320 |
| 447TS | 18 | 20 | — | 0.81 | 7.5 | 22.0 | 28 | 50 | 11 | 1.38 | 3.46 | 22.5 | 23.1 | 2.021 | 0.625 | 3.7 | 19.7 | 14.76 | 3 | 4.75 | 2.375 | 4.5 | 6316 | 6316 |
| 449T | 18 | 20 | 25 | 0.81 | 7.5 | 22.0 | 28 | 53.6 | 11 | 1.38 | 3.46 | 22.5 | 23.1 | 2.88 | 0.875 | 3.7 | 19.7 | 14.76 | 3 | 8.5 | 3.375 | 8.25 | NU320 | 6320 |
| 449TS | 18 | 20 | 25 | 0.81 | 7.5 | 22.0 | 28 | 50 | 11 | 1.38 | 3.46 | 22.5 | 23.1 | 2.021 | 0.625 | 3.7 | 19.7 | 14.76 | 3 | 4.75 | 2.375 | 4.5 | 6316 | 6316 |

All-Purpose Premium 32N Series – 143TC-449TSC C-Face Mounting Dimensions



| Frame | AJ | AK | BA | Min BB | BC | Max BD | # of Holes | Screw | Depth of Hole | U | AH | R | ES | S |
|-----------------|--------|--------|------|--------|------|--------|------------|--------|---------------|-------|------|-------|------|-------|
| 143TC - 145TC | 5.875 | 4.500 | 2.75 | 0.16 | 0.12 | 6.50 | 4 | 3/8-16 | 0.56 | 0.875 | 2.12 | 0.771 | 1.41 | 0.188 |
| 182TC - 184TC | 7.25 | 8.500 | 3.5 | 0.25 | 0.12 | 9 | 4 | 1/2-13 | 0.75 | 1.125 | 2.62 | 0.986 | 1.78 | 0.25 |
| 213TC - 215TC | 7.25 | 8.500 | 3.5 | 0.25 | 0.25 | 9 | 4 | 1/2-13 | 0.75 | 1.375 | 3.12 | 1.201 | 2.41 | 0.312 |
| 254TC - 256TC | 7.25 | 8.500 | 4.25 | 0.25 | 0.25 | 10 | 4 | 1/2-13 | 0.75 | 1.625 | 3.75 | 1.416 | 2.91 | 0.375 |
| 284TC - 286TC | 9.000 | 10.500 | 4.75 | 0.25 | 0.25 | 11.25 | 4 | 1/2-13 | 0.75 | 1.875 | 4.38 | 1.591 | 3.28 | 0.5 |
| 284TSC - 286TSC | 9.000 | 10.500 | 4.75 | 0.25 | 0.25 | 11.25 | 4 | 1/2-13 | 0.75 | 1.625 | 3.00 | 1.416 | 1.91 | 0.375 |
| 324TC - 326TC | 11.000 | 12.500 | 5.25 | 0.25 | 0.25 | 14.00 | 4 | 5/8-11 | 0.94 | 2.125 | 5.00 | 1.845 | 3.91 | 0.5 |
| 324TSC - 326TSC | 11.000 | 12.500 | 5.25 | 0.25 | 0.25 | 14.00 | 4 | 5/8-11 | 0.94 | 1.875 | 3.50 | 1.591 | 2.03 | 0.5 |
| 364TC - 365TC | 11.000 | 12.500 | 5.88 | 0.25 | 0.25 | 14.00 | 8 | 5/8-11 | 0.94 | 2.375 | 5.62 | 2.021 | 4.28 | 0.625 |
| 364TSC - 365TSC | 11.000 | 12.500 | 5.88 | 0.25 | 0.25 | 14.00 | 8 | 5/8-11 | 0.94 | 1.875 | 3.50 | 1.591 | 2.03 | 0.5 |
| 404TC - 405TC | 11.000 | 12.500 | 6.62 | 0.25 | 0.25 | 15.50 | 8 | 5/8-11 | 0.94 | 2.875 | 7.00 | 2.45 | 5.65 | 0.75 |
| 404TSC - 405TSC | 11.000 | 12.500 | 6.62 | 0.25 | 0.25 | 15.50 | 8 | 5/8-11 | 0.94 | 2.125 | 4.00 | 1.845 | 2.78 | 0.5 |
| 444TC - 445TC | 14.000 | 16.000 | 7.5 | 0.25 | 0.25 | 18.00 | 8 | 5/8-11 | 0.94 | 3.375 | 8.25 | 2.88 | 6.91 | 0.875 |
| 444TSC - 445TSC | 14.000 | 16.000 | 7.5 | 0.25 | 0.25 | 18.00 | 8 | 5/8-11 | 0.94 | 2.375 | 4.50 | 2.021 | 3.03 | 0.625 |
| 447TC - 449TC | 14.000 | 16.000 | 7.5 | 0.25 | 0.25 | 18.00 | 8 | 5/8-11 | 0.94 | 3.375 | 8.25 | 2.88 | 6.91 | 0.875 |
| 447TSC - 449TSC | 14.000 | 16.000 | 7.5 | 0.25 | 0.25 | 18.00 | 8 | 5/8-11 | 0.94 | 2.375 | 4.50 | 2.021 | 3.03 | 0.625 |

Tolerance on dimension D: +0.00inch, -1/32 inch for frame 143TC/TSC-326TC/TSC; +0.00 inch -1/16 inch for frames 364TC/TSC-449TC/TSC.

Tolerance on shaft diameter U: +0.0000 inch, -0.0005 inch for frames 143TC/TSC-215TC/TSC; +0.000 inch, 0.001 inch for frame 254TC/TSC-449TC/TSC.

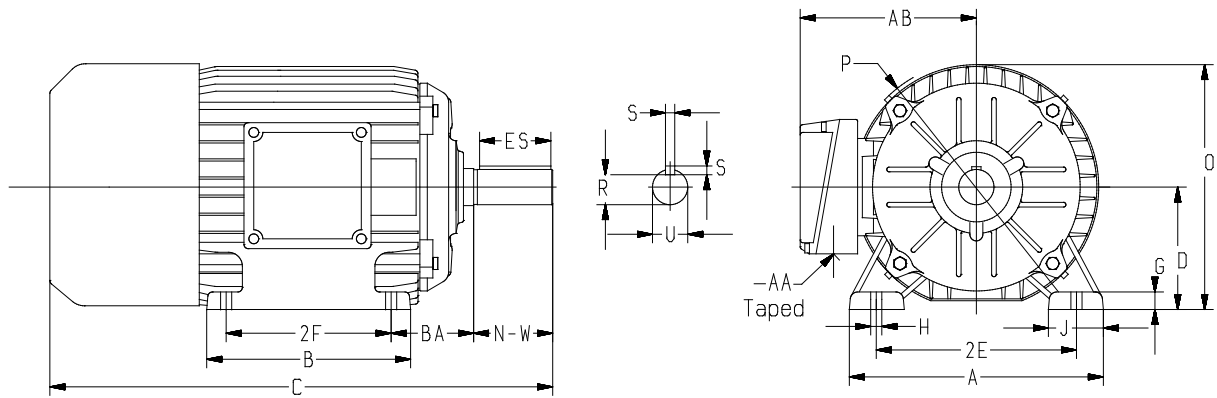
Tolerance on dimension R: +0.000 inch, -0.015 inch.

Dimension V is length of straight part shaft.

The conduit box can be rotated in 90° increments so that conduit can be received from any direction. Conduit box can be located on either side of motor.

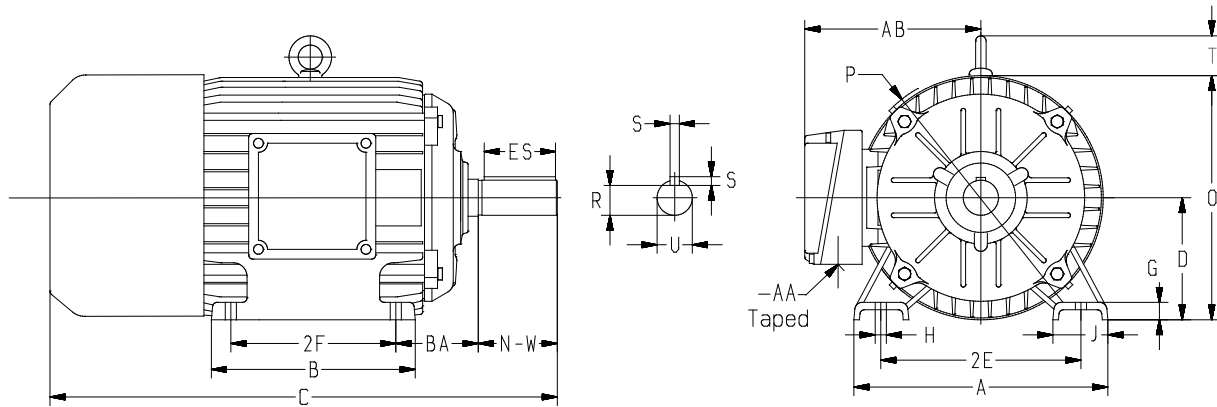
Severe Duty Premium 60N Series – 143T-286TS Footed
Mounting Dimensions

143T-145T



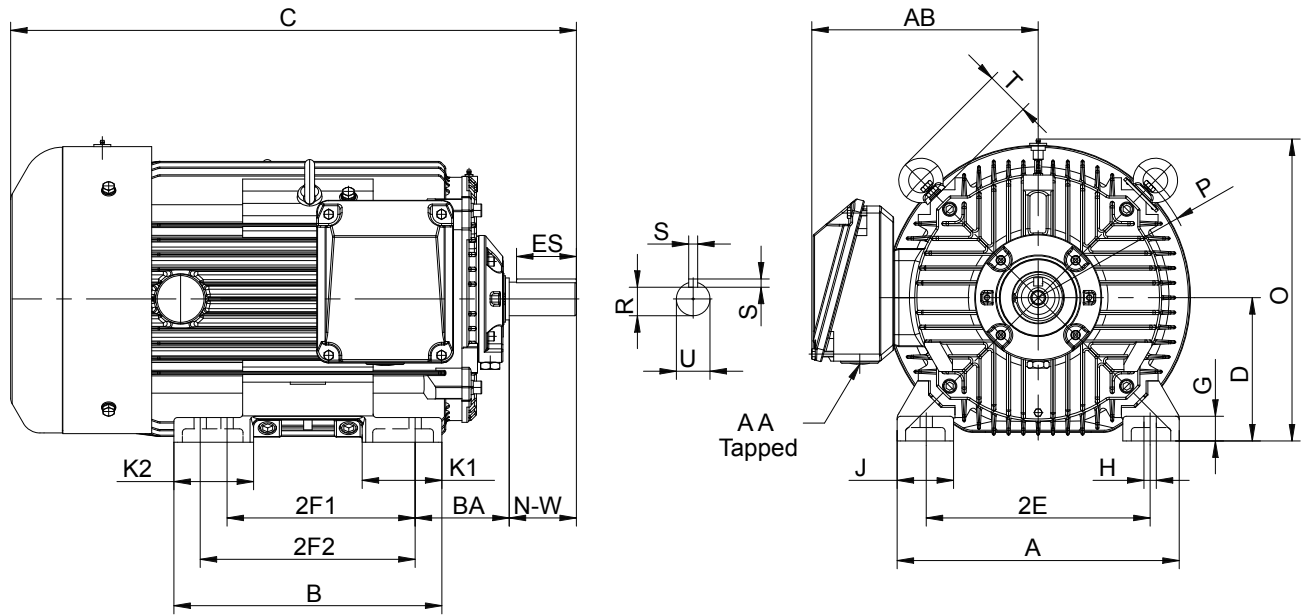
| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | Overall Dimensions | | | | | | | | |
|-------|------------|---------------------|------|-----|-----|----|------|-------|-------|------|-----|------|--------------------|-------|------|------|------|------|-------|-----|----------|
| | | A | B | D | 2E | 2F | H | R | U | N-W | AA | BA | ES | C | G | J | O | P | S | AB | Bearings |
| 143T | 2,4,6 | 6.62 | 5.83 | 3.5 | 5.5 | 4 | 0.34 | 0.771 | 0.875 | 2.25 | 3/4 | 2.25 | 1.52 | 14.2 | 0.39 | 1.66 | 7.48 | 8.27 | 0.188 | 6.5 | 6205 2Z |
| 145T | 2,4,6 | 6.62 | 7 | 3.5 | 5.5 | 5 | 0.34 | 0.771 | 0.875 | 2.25 | 3/4 | 2.25 | 1.52 | 15.15 | 0.39 | 1.66 | 7.48 | 8.27 | 0.188 | 6.5 | 6205 2Z |

182T-286TS



| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | Overall Dimensions | | | | | | | | | |
|-------|------------|---------------------|-------|------|-----|------|------|-------|-------|------|-------|------|--------------------|-------|------|------|-------|-------|-------|------|-------|-----------|
| | | A | B | D | 2E | 2F | H | R | U | N-W | AA | BA | ES | C | G | J | O | P | S | T | AB | Bearings |
| 182T | 2,4,6 | 9 | 8.31 | 4.5 | 7.5 | 4.5 | 0.41 | 0.986 | 1.125 | 2.75 | 1 | 2.75 | 1.94 | 17.7 | 0.6 | 2.13 | 9.09 | 9.53 | 0.25 | 1.77 | 7.9 | 6306 2Z |
| 184T | 2,4,6 | 9 | 8.31 | 4.5 | 7.5 | 5.5 | 0.41 | 0.986 | 1.125 | 2.75 | 1 | 2.75 | 1.94 | 17.7 | 0.6 | 2.13 | 9.09 | 9.53 | 0.25 | 1.77 | 7.9 | 6306 2Z |
| 213T | 2,4,6 | 10.24 | 8.7 | 5.25 | 8.5 | 5.5 | 0.41 | 1.201 | 1.375 | 3.38 | 1 | 3.5 | 2.55 | 22.25 | 0.67 | 2.2 | 10.96 | 11.61 | 0.312 | 2.08 | 8.92 | 6308/6 2Z |
| 215T | 2,4,6 | 10.24 | 10.28 | 5.25 | 8.5 | 7 | 0.41 | 1.201 | 1.375 | 3.38 | 1 | 3.5 | 2.55 | 22.88 | 0.67 | 2.2 | 10.96 | 11.61 | 0.312 | 2.08 | 8.92 | 6308/6 2Z |
| 254T | 2,4,6 | 12.28 | 9.92 | 6.25 | 10 | 8.25 | 0.55 | 1.416 | 1.625 | 4 | 1 1/4 | 4.25 | 3.11 | 25.83 | 0.58 | 2.36 | 13.18 | 14.17 | 0.375 | 2.08 | 10.08 | 6309 2Z |
| 256T | 2,4,6 | 12.28 | 11.65 | 6.25 | 10 | 10 | 0.55 | 1.416 | 1.625 | 4 | 1 1/4 | 4.25 | 3.11 | 27.6 | 0.58 | 2.36 | 13.18 | 14.17 | 0.375 | 2.08 | 10.08 | 6309 2Z |
| 284T | 4,6 | 13.78 | 13.11 | 7 | 11 | 9.5 | 0.55 | 1.591 | 1.875 | 4.62 | 1 1/2 | 4.75 | 3.53 | 31.16 | 0.89 | 2.75 | 14.01 | 14.17 | 0.5 | 2.08 | 10.34 | 6311 2Z |
| 284TS | 2 | 13.78 | 13.11 | 7 | 11 | 9.5 | 0.55 | 1.416 | 1.625 | 3.25 | 1 1/2 | 4.75 | 2.1 | 27.2 | 0.89 | 2.75 | 14.01 | 14.17 | 0.375 | 2.08 | 10.34 | 6311 2Z |
| 286T | 4,6 | 13.78 | 13.11 | 7 | 11 | 11 | 0.55 | 1.591 | 1.875 | 4.62 | 1 1/2 | 4.75 | 3.53 | 31.16 | 0.89 | 2.75 | 14.01 | 14.17 | 0.5 | 2.08 | 10.34 | 6311 2Z |
| 286TS | 2 | 13.78 | 13.11 | 7 | 11 | 11 | 0.55 | 1.416 | 1.625 | 3.25 | 1 1/2 | 4.75 | 2.1 | 27.2 | 0.89 | 2.75 | 14.01 | 14.17 | 0.375 | 2.08 | 10.34 | 6311 2Z |

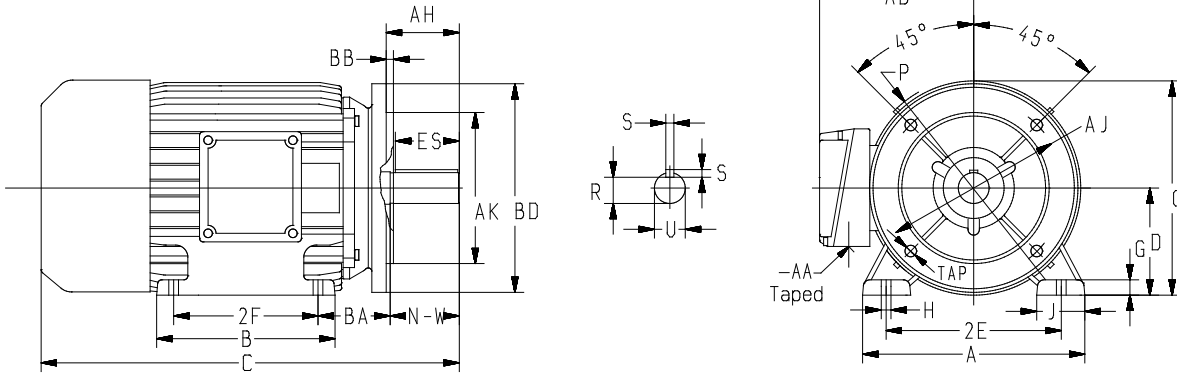
Severe Duty Premium 60N Series – 324TS-447T Footed Mounting Dimensions



| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | | Overall Dimensions | | | | | | | | | | | |
|-------|------------|---------------------|------|-------|-------|-------|------|-----------|------|------|-------|-------|-------|--------------------|-----|------|------|------|------|------|------|------|------|------|----------|
| | | D | 2E | 2F1 | 2F2 | G | H | Shaft End | | | | | | A | AA | AB | B | C | J | K1 | K2 | O | P | T | Bearings |
| | | | | | | | | BA | ES | N-W | R | S | U | | | | | | | | | | | | |
| 324TS | 2 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 15.8 | 2 | 13 | 15 | 31.6 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 | 6312C3 |
| 324T | 4,6 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 4.33 | 5.25 | 1.845 | 0.5 | 2.125 | 15.8 | 2 | 13 | 15 | 33.1 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 | 6312C3 |
| 326TS | 2 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 15.8 | 2 | 13 | 15 | 31.6 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 | 6312C3 |
| 326T | 4,6 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 4.33 | 5.25 | 1.845 | 0.5 | 2.125 | 15.8 | 2 | 13 | 15 | 33.1 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 | 6312C3 |
| 364TS | 2 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 17.5 | 3 | 14.2 | 15 | 33.6 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 | 6313C3 |
| 364T | 4,6 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 4.92 | 5.88 | 2.021 | 0.625 | 2.375 | 17.5 | 3 | 14.2 | 15 | 35.7 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 | 6313C3 |
| 365TS | 2 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 17.5 | 3 | 14.2 | 15 | 33.6 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 | 6313C3 |
| 365T | 4,6 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 4.92 | 5.88 | 2.021 | 0.625 | 2.375 | 17.5 | 3 | 14.2 | 15 | 35.7 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 | 6313C3 |
| 404T | 6 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 6.3 | 7.25 | 2.45 | 0.75 | 2.875 | 18.9 | 3 | 15.5 | 17.6 | 40.4 | 3.54 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 | 6315C3 |
| 405TS | 2 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 3.5 | 4.25 | 1.845 | 0.5 | 2.125 | 18.9 | 3 | 15.5 | 17.6 | 37.4 | 3.54 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 | 6315C3 |
| 405T | 4,6 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 6.3 | 7.25 | 2.45 | 0.75 | 2.875 | 18.9 | 3 | 15.5 | 17.6 | 40.4 | 3.54 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 | 6315C3 |
| 444TS | 2 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 21.7 | 2x3 | 17.6 | 20.5 | 42 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 | 6315C3 |
| 444T | 4,6 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 21.7 | 2x3 | 17.6 | 20.5 | 45.7 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 | 6318C3 |
| 445TS | 2 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 21.7 | 2x3 | 17.6 | 20.5 | 42 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 | 6315C3 |
| 445T | 4,6 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 21.7 | 2x3 | 17.6 | 20.5 | 45.7 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 | 6318C3 |
| 447TS | 2 | 11 | 18 | 20 | - | 1.654 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 22.1 | 2x3 | 19.5 | 24 | 46.3 | 4.18 | 6.8 | 6.8 | 23.4 | 24.4 | 3.75 | 6315C3 |
| 447T | 4,6 | 11 | 18 | 20 | - | 1.654 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 22.1 | 2x3 | 19.5 | 24 | 50 | 4.18 | 6.8 | 6.8 | 23.4 | 24.4 | 3.75 | 6318C3 |

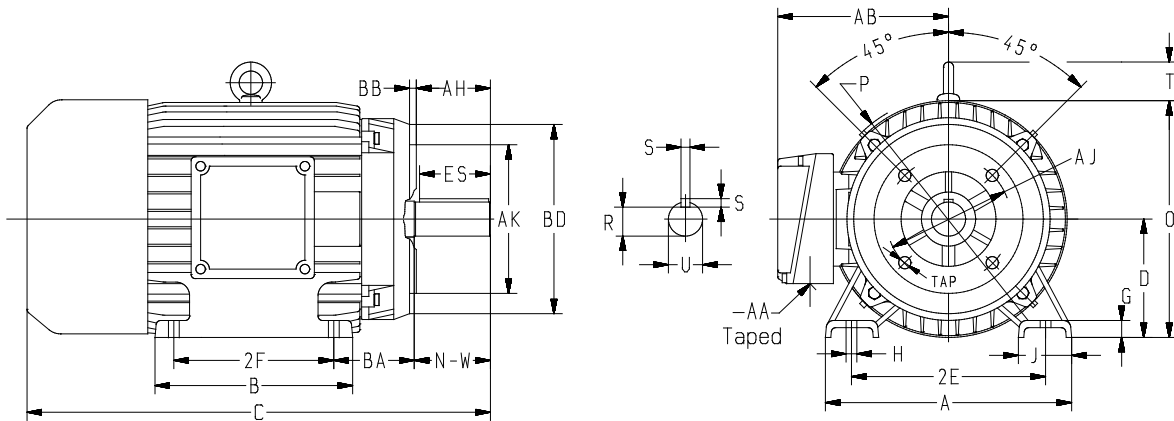
Severe Duty Premium 60N Series – 143TC-286TSC C-Face
Mounting Dimensions

143TC-145TC



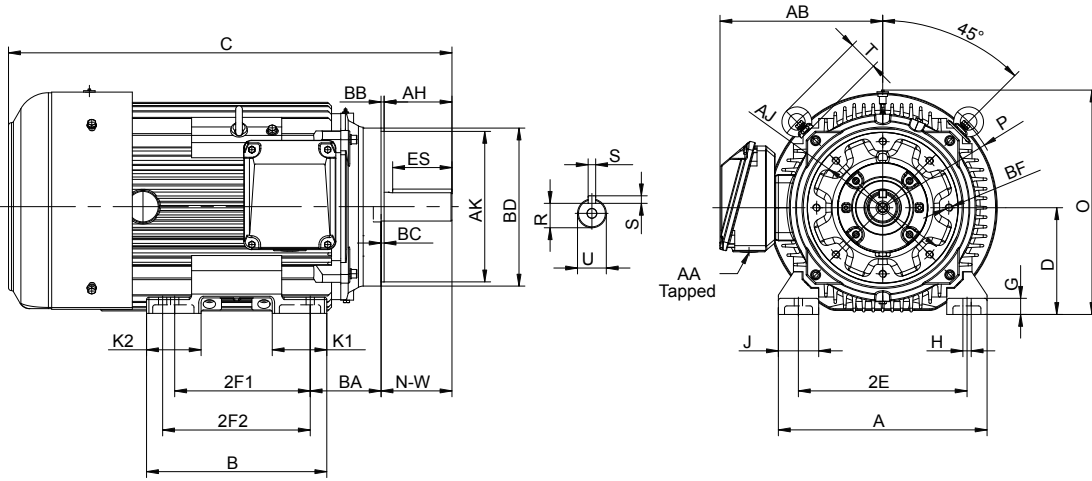
| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | | | | | Overall Dimensions | | | | | | | | | | |
|-------|------------|---------------------|------|-----|-----|----|------|-------|-------|-------|------|-------|-----|------|------|-----|--------------------|-------|------|------|------|------|------|-----|-----|--------|----------|
| | | A | B | D | 2E | 2F | H | R | S | U | AH | AJ | AK | BA | BB | BD | ES | C | G | J | O | P | N-W | AA | AB | Tap | Bearings |
| 143TC | 2,4,6 | 6.62 | 5.83 | 3.5 | 5.5 | 4 | 0.34 | 0.771 | 0.188 | 0.875 | 2.12 | 5.875 | 4.5 | 2.25 | 0.16 | 6.5 | 1.52 | 14.2 | 0.39 | 1.66 | 7.48 | 8.27 | 2.25 | 3/4 | 6.5 | 3/8/16 | 6205 2Z |
| 145TC | 2,4,6 | 6.62 | 7 | 3.5 | 5.5 | 5 | 0.34 | 0.771 | 0.188 | 0.875 | 2.12 | 5.875 | 4.5 | 2.25 | 0.16 | 6.5 | 1.52 | 15.15 | 0.39 | 1.66 | 7.48 | 8.27 | 2.25 | 3/4 | 6.5 | 3/8/16 | 6205 2Z |

182TC-286TSC



| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | | | | | Overall Dimensions | | | | | | | | | | | |
|--------|------------|---------------------|-------|------|-----|------|------|-------|-------|-------|------|------|------|------|------|-------|--------------------|-------|------|------|-------|-------|------|------|-------|-------|--------|-----------|
| | | A | B | D | 2E | 2F | H | R | S | U | AH | AJ | AK | BA | BB | BD | ES | C | G | J | O | P | T | N-W | AA | AB | Tap | Bearings |
| 182TC | 2,4,6 | 9 | 8.31 | 4.5 | 7.5 | 4.5 | 0.41 | 0.986 | 0.25 | 1.125 | 2.62 | 7.25 | 8.5 | 2.75 | 0.25 | 8.9 | 1.94 | 17.7 | 0.6 | 2.13 | 9.09 | 9.53 | 1.77 | 2.75 | 1 | 7.9 | 1/2/13 | 6306 2Z |
| 184TC | 2,4,6 | 9 | 8.31 | 4.5 | 7.5 | 5.5 | 0.41 | 0.986 | 0.25 | 1.125 | 2.62 | 7.25 | 8.5 | 2.75 | 0.25 | 8.9 | 1.94 | 17.7 | 0.6 | 2.13 | 9.09 | 9.53 | 1.77 | 2.75 | 1 | 7.9 | 1/2/13 | 6306 2Z |
| 213TC | 2,4,6 | 10.24 | 8.7 | 5.25 | 8.5 | 5.5 | 0.41 | 1.201 | 0.312 | 1.375 | 3.13 | 7.25 | 8.5 | 3.5 | 0.25 | 8.9 | 2.55 | 22.25 | 0.67 | 2.2 | 10.96 | 11.61 | 2.08 | 3.38 | 1 | 8.92 | 1/2/13 | 6308/6 2Z |
| 215TC | 2,4,6 | 10.24 | 10.28 | 5.25 | 8.5 | 7 | 0.41 | 1.201 | 0.312 | 1.375 | 3.13 | 7.25 | 8.5 | 3.5 | 0.25 | 8.9 | 2.55 | 22.88 | 0.67 | 2.2 | 10.96 | 11.61 | 2.08 | 3.38 | 1 | 8.92 | 1/2/13 | 6308/6 2Z |
| 254TC | 2,4,6 | 12.28 | 9.92 | 6.25 | 10 | 8.25 | 0.55 | 1.416 | 0.375 | 1.625 | 3.75 | 7.25 | 8.5 | 4.25 | 0.25 | 10 | 3.11 | 25.83 | 0.58 | 2.36 | 13.18 | 14.17 | 2.08 | 4 | 1 1/4 | 10.08 | 1/2/13 | 6309 2Z |
| 256TC | 2,4,6 | 12.28 | 11.65 | 6.25 | 10 | 10 | 0.55 | 1.416 | 0.375 | 1.625 | 3.75 | 7.25 | 8.5 | 4.25 | 0.25 | 10 | 3.11 | 27.6 | 0.58 | 2.36 | 13.18 | 14.17 | 2.08 | 4 | 1 1/4 | 10.08 | 1/2/13 | 6309 2Z |
| 284TC | 4,6 | 13.78 | 13.11 | 7 | 11 | 9.5 | 0.55 | 1.591 | 0.5 | 1.875 | 4.38 | 9 | 10.5 | 4.75 | 0.25 | 11.25 | 3.53 | 31.16 | 0.89 | 2.75 | 14.01 | 14.17 | 2.08 | 4.62 | 1 1/2 | 10.34 | 1/2/13 | 6311 2Z |
| 284TSC | 2 | 13.78 | 13.11 | 7 | 11 | 9.5 | 0.55 | 1.416 | 0.375 | 1.625 | 3 | 9 | 10.5 | 4.75 | 0.25 | 11.25 | 2.1 | 27.2 | 0.89 | 2.75 | 14.01 | 14.17 | 2.08 | 3.25 | 1 1/2 | 10.34 | 1/2/13 | 6311 2Z |
| 286TC | 4,6 | 13.78 | 13.11 | 7 | 11 | 11 | 0.55 | 1.591 | 0.5 | 1.875 | 4.38 | 9 | 10.5 | 4.75 | 0.25 | 11.25 | 3.53 | 31.16 | 0.89 | 2.75 | 14.01 | 14.17 | 2.08 | 4.62 | 1 1/2 | 10.34 | 1/2/13 | 6311 2Z |
| 286TSC | 2 | 13.78 | 13.11 | 7 | 11 | 11 | 0.55 | 1.416 | 0.375 | 1.625 | 3 | 9 | 10.5 | 4.75 | 0.25 | 11.25 | 2.1 | 27.2 | 0.89 | 2.75 | 14.01 | 14.17 | 2.08 | 3.25 | 1 1/2 | 10.34 | 1/2/13 | 6311 2Z |

Severe Duty Premium 60N Series – 324TSC-447TC C-Face Mounting Dimensions



| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | | | | | | | |
|--------|------------|---------------------|------|-------|-------|-------|------|-----------|------|------|-------|-------|-------|--------|------|------|-------|--------|---|
| | | D | 2E | 2F1 | 2F2 | G | H | Shaft End | | | | | | C-Face | | | | | |
| | | | | | | | | BA | ES | N-W | R | S | U | AH | AJ | AK | BB/BC | BF | |
| | | | | | | | | | | | | | | | | | | Size | # |
| 324TSC | 2 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 3.5 | 11.0 | 12.5 | 0.25 | 5/8/11 | 4 |
| 324TC | 4,6 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 4.33 | 5.25 | 1.845 | 0.5 | 2.125 | 5.0 | 11.0 | 12.5 | 0.25 | 5/8/11 | 4 |
| 326TSC | 2 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 3.5 | 11.0 | 12.5 | 0.25 | 5/8/11 | 4 |
| 326TC | 4,6 | 8 | 12.5 | 10.5 | 12 | 1.38 | 0.66 | 5.25 | 4.33 | 5.25 | 1.845 | 0.5 | 2.125 | 5.0 | 11.0 | 12.5 | 0.25 | 5/8/11 | 4 |
| 364TSC | 2 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 3.5 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 364TC | 4,6 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 4.92 | 5.88 | 2.021 | 0.625 | 2.375 | 5.63 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 365TSC | 2 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 2.75 | 3.75 | 1.591 | 0.5 | 1.875 | 3.5 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 365TC | 4,6 | 9 | 14 | 11.25 | 12.25 | 1.49 | 0.66 | 5.88 | 4.92 | 5.88 | 2.021 | 0.625 | 2.375 | 5.63 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 404TC | 6 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 6.3 | 7.25 | 2.45 | 0.75 | 2.875 | 7.0 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 405TSC | 2 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 3.5 | 4.25 | 1.845 | 0.5 | 2.125 | 4.0 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 405TC | 4,6 | 10 | 16 | 12.25 | 13.75 | 1.57 | 0.81 | 6.62 | 6.3 | 7.25 | 2.45 | 0.75 | 2.875 | 7.0 | 11.0 | 12.5 | 0.25 | 5/8/11 | 8 |
| 444TSC | 2 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 4.5 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |
| 444TC | 4,6 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 8.25 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |
| 445TSC | 2 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 4.5 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |
| 445TC | 4,6 | 11 | 18 | 14.5 | 16.5 | 1.57 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 8.25 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |
| 447TSC | 2 | 11 | 18 | 20 | - | 1.654 | 0.81 | 7.5 | 4.3 | 4.75 | 2.021 | 0.625 | 2.375 | 4.5 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |
| 447TC | 4,6 | 11 | 18 | 20 | - | 1.654 | 0.81 | 7.5 | 7.9 | 8.5 | 2.88 | 0.875 | 3.375 | 8.25 | 14.0 | 16.0 | 0.25 | 5/8/11 | 8 |

| Frame | # of Poles | Overall Dimensions | | | | | | | | | | | |
|--------|------------|--------------------|-----|------|------|------|------|------|------|------|------|------|------|
| | | A | AA | AB | B | BD | C | J | K1 | K2 | O | P | T |
| 324TSC | 2 | 15.8 | 2 | 13 | 15 | 13.0 | 31.6 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 |
| 324TC | 4,6 | 15.8 | 2 | 13 | 15 | 13.0 | 33.1 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 |
| 326TSC | 2 | 15.8 | 2 | 13 | 15 | 13.0 | 31.6 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 |
| 326TC | 4,6 | 15.8 | 2 | 13 | 15 | 13.0 | 33.1 | 3.15 | 4.45 | 4.45 | 16.9 | 17.9 | 2.5 |
| 364TSC | 2 | 17.5 | 3 | 14.2 | 15 | 13.2 | 33.6 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 |
| 364TC | 4,6 | 17.5 | 3 | 14.2 | 15 | 13.2 | 35.7 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 |
| 365TSC | 2 | 17.5 | 3 | 14.2 | 15 | 13.2 | 33.6 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 |
| 365TC | 4,6 | 17.5 | 3 | 14.2 | 15 | 13.2 | 35.7 | 3.35 | 4.53 | 4.53 | 18.8 | 19.9 | 2.5 |
| 404TC | 6 | 18.9 | 3 | 15.5 | 17.6 | 13.2 | 40.4 | 3.55 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 |
| 405TSC | 2 | 18.9 | 3 | 15.5 | 17.6 | 13.2 | 37.4 | 3.55 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 |
| 405TC | 4,6 | 18.9 | 3 | 15.5 | 17.6 | 13.2 | 40.4 | 3.55 | 5.32 | 5.32 | 20.8 | 21.3 | 2.95 |
| 444TSC | 2 | 21.7 | 2x3 | 17.6 | 20.5 | 16.6 | 42 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 |
| 444TC | 4,6 | 21.7 | 2x3 | 17.6 | 20.5 | 16.6 | 45.7 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 |
| 445TSC | 2 | 21.7 | 2x3 | 17.6 | 20.5 | 16.6 | 42 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 |
| 445TC | 4,6 | 21.7 | 2x3 | 17.6 | 20.5 | 16.6 | 45.7 | 4.15 | 5.12 | 6.5 | 23.4 | 24.4 | 3.75 |
| 447TSC | 2 | 22.1 | 2x3 | 19.5 | 24 | 16.6 | 46.3 | 4.18 | 6.8 | 6.8 | 23.4 | 24.4 | 3.75 |
| 447TC | 4,6 | 22.1 | 2x3 | 19.5 | 24 | 16.6 | 50 | 4.18 | 6.8 | 6.8 | 23.4 | 24.4 | 3.75 |

METRIC IEC Standard Efficiency 40M Series – 0.08-1.5 HP (0.06-1.1 kW) Performance Data

50 Hz Performance Data

| HP | RPM | Frame | kW | Torque | | | FLA | | | LRA | Efficiency | | | Power Factor | WK ² kgm ² | Wt kg |
|------|------|----------|------|--------|-------|-------|------|------|------|-----|------------|----|-----|--------------|----------------------------------|-------|
| | | | | FLT Nm | LRT % | BDT % | 230V | 380V | 400V | | % | FL | 75% | | | |
| 0.08 | 1400 | Sg 56-4A | 0.06 | 0.409 | 180 | 200 | 0.43 | 0.25 | 0.25 | 330 | 55 | 52 | 44 | 66 | 0.00015 | 2.7 |
| 0.12 | 2800 | Sg 56-2A | 0.09 | 0.307 | 210 | 210 | 0.56 | 0.32 | 0.32 | 450 | 58 | 50 | 43 | 75 | 0.000076 | 3 |
| | 1380 | Sg 56-4B | | 0.623 | 200 | 190 | 0.59 | 0.34 | 0.34 | 320 | 61 | 58 | 54 | 65 | 0.00019 | 2.9 |
| 0.17 | 2800 | Sg 56-2B | 0.12 | 0.409 | 180 | 210 | 0.6 | 0.35 | 0.35 | 480 | 63 | 58 | 50 | 83 | 0.000095 | 3.4 |
| | 1380 | Sg 63-4A | | 0.83 | 200 | 200 | 0.7 | 0.4 | 0.4 | 320 | 64 | 60 | 56 | 72 | 0.00024 | 3.6 |
| 0.25 | 2760 | Sg 63-2A | 0.18 | 0.623 | 190 | 190 | 0.95 | 0.55 | 0.55 | 380 | 65 | 63 | 58 | 80 | 0.000175 | 3.6 |
| | 1380 | Sg 63-4B | | 1.246 | 200 | 200 | 1.1 | 0.65 | 0.65 | 320 | 64 | 62 | 60 | 70 | 0.00031 | 4.2 |
| 0.33 | 890 | Sh 71-6A | 0.25 | 1.93 | 190 | 190 | 1.3 | 0.75 | 0.75 | 260 | 57 | 54 | 47 | 68 | 0.00074 | 4.9 |
| | 2760 | Sg 63-2B | | 0.865 | 200 | 200 | 1.1 | 0.65 | 0.65 | 400 | 68 | 65 | 62 | 83 | 0.000235 | 4.2 |
| | 1380 | Sh 71-4A | | 1.73 | 200 | 200 | 1.5 | 0.85 | 0.85 | 300 | 66 | 63 | 60 | 68 | 0.00061 | 4.8 |
| 0.5 | 860 | Sh 71-6B | 0.37 | 2.78 | 160 | 160 | 1.75 | 1 | 1 | 230 | 55 | 52 | 45 | 79 | 0.00095 | 5.8 |
| | 2800 | Sh 71-2A | | 1.262 | 220 | 220 | 1.73 | 1 | 1 | 440 | 71 | 69 | 67 | 77 | 0.000389 | 5 |
| | 1360 | Sh 71-4B | | 2.598 | 210 | 200 | 2.1 | 1.2 | 1.2 | 310 | 68 | 65 | 62 | 72 | 0.00077 | 5.9 |
| 0.75 | 910 | Sh 80-6A | 0.55 | 3.88 | 200 | 210 | 2.4 | 1.4 | 1.4 | 300 | 64 | 63 | 61 | 65 | 0.00169 | 7.3 |
| | 2790 | Sh 71-2B | | 1.883 | 200 | 210 | 2.35 | 1.35 | 1.35 | 400 | 75 | 72 | 69 | 82 | 0.000484 | 6 |
| | 1400 | Sh 80-4A | | 3.75 | 210 | 210 | 2.95 | 1.7 | 1.7 | 360 | 70 | 68 | 62 | 68 | 0.00158 | 7.5 |
| 1 | 900 | Sh 80-6B | 0.75 | 5.84 | 190 | 200 | 3.1 | 1.8 | 1.8 | 270 | 67 | 65 | 62 | 70 | 0.00207 | 8.6 |
| | 2800 | Sh 80-2A | | 2.56 | 270 | 260 | 3.3 | 1.9 | 1.9 | 450 | 74 | 72 | 66 | 80 | 0.000829 | 7.8 |
| 1.5 | 1390 | Sh 80-4B | 1.1 | 5.15 | 210 | 210 | 3.5 | 2 | 2 | 400 | 75 | 73 | 67 | 73 | 0.0019 | 8.8 |
| | 2780 | Sg 80-2B | | 3.78 | 260 | 260 | 4.3 | 2.5 | 2.5 | 510 | 77 | 75 | 69 | 84 | 0.001005 | 9.1 |

60 Hz Performance Data

| HP | RPM | Frame | kW | Torque | | | FLA | | | LRA | Efficiency | | | Power Factor | WK ² lb ft ² | Wt lbs |
|------|------|----------|------|-----------|-------|-------|------|------|------|-----|------------|----|-----|--------------|------------------------------------|--------|
| | | | | FLT lb ft | LRT % | BDT % | 230V | 460V | 575V | | % | FL | 75% | | | |
| 0.08 | 1680 | Sg 56-4A | 0.06 | 0.25 | 210 | 220 | 0.44 | 0.22 | 0.18 | 330 | 55 | 52 | 44 | 66 | 0.002 | 5.9 |
| 0.12 | 3360 | Sg 56-2A | 0.09 | 0.19 | 220 | 220 | 0.56 | 0.28 | 0.22 | 450 | 58 | 50 | 43 | 75 | 0.001 | 6.6 |
| | 1660 | Sg 56-4B | | 0.38 | 210 | 200 | 0.6 | 0.3 | 0.24 | 320 | 61 | 58 | 54 | 65 | 0.003 | 6.4 |
| 0.17 | 3360 | Sg 56-2B | 0.12 | 0.27 | 200 | 220 | 0.6 | 0.3 | 0.24 | 480 | 63 | 58 | 50 | 83 | 0.002 | 7.5 |
| | 1660 | Sg 63-4A | | 0.54 | 210 | 210 | 0.7 | 0.35 | 0.28 | 320 | 64 | 60 | 56 | 72 | 0.004 | 7.9 |
| 0.25 | 3310 | Sg 63-2A | 0.18 | 0.4 | 200 | 200 | 1 | 0.5 | 0.4 | 380 | 65 | 63 | 58 | 80 | 0.003 | 7.9 |
| | 1660 | Sg 63-4B | | 0.79 | 210 | 210 | 1.1 | 0.55 | 0.44 | 320 | 64 | 62 | 60 | 70 | 0.005 | 9.3 |
| 0.33 | 1070 | Sh 71-6A | 0.25 | 1.23 | 200 | 200 | 1.4 | 0.7 | 0.56 | 260 | 57 | 54 | 47 | 68 | 0.012 | 10.8 |
| | 3310 | Sg 63-2B | | 0.52 | 210 | 210 | 1.1 | 0.55 | 0.44 | 400 | 68 | 65 | 62 | 83 | 0.004 | 9.3 |
| | 1660 | Sh 71-4A | | 1.04 | 210 | 210 | 1.4 | 0.7 | 0.56 | 300 | 66 | 63 | 60 | 68 | 0.001 | 10.6 |
| 0.5 | 1030 | Sh 71-6B | 0.37 | 1.63 | 200 | 200 | 1.8 | 0.9 | 0.72 | 230 | 55 | 52 | 45 | 70 | 0.002 | 12.8 |
| | 3360 | Sh 71-2A | | 0.78 | 200 | 210 | 1.8 | 0.9 | 0.72 | 440 | 71 | 69 | 67 | 68 | 0.006 | 11.7 |
| | 1630 | Sh 71-4B | | 1.6 | 220 | 220 | 2 | 1 | 0.8 | 310 | 68 | 65 | 62 | 68 | 0.012 | 13 |
| 0.75 | 1090 | Sh 80-6A | 0.55 | 2.43 | 200 | 220 | 2.4 | 1.2 | 0.96 | 300 | 64 | 63 | 61 | 64 | 0.027 | 16 |
| | 3350 | Sh 71-2B | | 1.18 | 210 | 220 | 2.4 | 1.2 | 0.96 | 400 | 75 | 72 | 69 | 85 | 0.008 | 13.2 |
| | 1680 | Sh 80-4A | | 2.34 | 220 | 220 | 3 | 1.5 | 1.2 | 360 | 70 | 68 | 62 | 72 | 0.025 | 16.5 |
| 1 | 1080 | Sh 80-6B | 0.75 | 3.65 | 200 | 210 | 3.2 | 1.6 | 1.28 | 270 | 67 | 65 | 62 | 72 | 0.033 | 19 |
| | 3360 | Sh 80-2A | | 1.56 | 280 | 270 | 3.2 | 1.6 | 1.28 | 450 | 74 | 72 | 66 | 80 | 0.013 | 17.2 |
| 1.5 | 1670 | Sh 80-4B | 1.1 | 3.14 | 220 | 220 | 3.4 | 1.7 | 1.36 | 400 | 75 | 73 | 67 | 73 | 0.03 | 19.4 |
| | 3340 | Sg 80-2B | | 2.36 | 270 | 270 | 4.4 | 2.2 | 1.76 | 510 | 77 | 75 | 69 | 84 | 0.016 | 20.1 |

METRIC IEC High Efficiency 20M Series – 1-220 HP (1.5-160 kW)

Performance Data

50 Hz Performance Data

| HP | RPM | Frame | kW | Torque | | | FLA | | | LRA | Efficiency | | | Power Factor | Design | WK ² kgm ² | Wt kg |
|-----|------|-------|------|--------|-------|-------|------|------|------|------|------------|------|------|--------------|--------|----------------------------------|-------|
| | | | | FLT Nm | LRT % | BDT % | 230V | 380V | 400V | | % | FL | 75% | | | | |
| 1 | 925 | 90S | .75 | 6.2 | 220 | 260 | 3.5 | 2.2 | 2 | 420 | 75.9 | 76.1 | 75.5 | 70 | H | 0.0025 | 16.5 |
| 1.5 | 1425 | 90S | 1.1 | 6.2 | 240 | 280 | 4.5 | 2.8 | 2.6 | 510 | 81.4 | 81.9 | 81.1 | 76 | H | 0.0029 | 16.3 |
| | 2880 | 90S | 1.5 | 5 | 330 | 340 | 5.7 | 3.5 | 3.3 | 760 | 81.8 | 82 | 80 | 81 | N | 0.0014 | 13.9 |
| 2 | 1425 | 90L | | 10 | 280 | 330 | 6 | 3.6 | 3.4 | 710 | 82.8 | 83.2 | 81.2 | 76 | H | 0.0036 | 19 |
| | 2870 | 90L | 2.2 | 7.3 | 370 | 370 | 8.2 | 4.9 | 4.7 | 730 | 83.5 | 84.4 | 83.4 | 81 | N | 0.0016 | 17.3 |
| 3 | 1440 | 100L | | 14.8 | 240 | 280 | 7.9 | 4.7 | 4.5 | 810 | 84.7 | 85.5 | 84.6 | 83 | H | 0.007 | 26 |
| | 955 | 112M | 22.4 | 230 | 270 | 8.9 | 5.4 | 5.1 | 700 | 82.3 | 83.1 | 82 | 75 | H | 0.0177 | 32 | |
| 4 | 2915 | 100L | 3 | 9.8 | 310 | 330 | 10.7 | 6.5 | 6.2 | 830 | 84.6 | 84.7 | 82.8 | 83 | N | 0.0039 | 26.7 |
| | 1445 | 100L | | 19.7 | 340 | 360 | 11.5 | 6.9 | 6.6 | 960 | 86 | 86.1 | 84.3 | 76 | H | 0.0077 | 30 |
| | 950 | 132S | | 30.2 | 200 | 270 | 11.4 | 6.9 | 6.6 | 550 | 83.3 | 84.3 | 83.1 | 79 | H | 0.025 | 54 |
| 5.5 | 2915 | 112M | 4 | 13.1 | 240 | 270 | 13.4 | 8.1 | 7.7 | 850 | 86.3 | 87.3 | 86.9 | 87 | N | 0.006 | 33.5 |
| | 1450 | 112M | | 27 | 200 | 290 | 14.6 | 8.8 | 8.4 | 740 | 87 | 87.7 | 86.9 | 79 | H | 0.0115 | 36 |
| 7.5 | 950 | 132M | 5.5 | 40.2 | 220 | 280 | 14.7 | 8.8 | 8.4 | 630 | 84.6 | 85.6 | 84.9 | 81 | H | 0.032 | 66 |
| | 2930 | 132S | | 17.9 | 270 | 340 | 17.5 | 10.6 | 10.1 | 880 | 87.5 | 89.2 | 88.5 | 90 | N | 0.014 | 59.5 |
| | 1460 | 132S | | 30 | 240 | 310 | 19.7 | 11.6 | 11.3 | 830 | 88 | 88.5 | 87.6 | 80 | H | 0.029 | 69 |
| 10 | 950 | 132M | 7.5 | 55.3 | 270 | 310 | 20.3 | 12.3 | 11.7 | 650 | 86 | 86.8 | 85.8 | 79 | H | 0.04 | 72 |
| | 2920 | 132S | | 24.5 | 270 | 330 | 23.1 | 13.9 | 13.2 | 850 | 88.6 | 89.1 | 88.2 | 92 | N | 0.017 | 70.8 |
| | 1460 | 132M | | 48.8 | 240 | 330 | 26.5 | 16.1 | 15.3 | 860 | 88.7 | 89.2 | 88.5 | 80 | H | 0.036 | 74 |
| 15 | 960 | 160M | 11 | 74.2 | 230 | 310 | 26.6 | 16.1 | 15.3 | 770 | 87.4 | 88.5 | 88.2 | 81 | H | 0.072 | 100 |
| | 2940 | 160M | | 35.7 | 200 | 270 | 35.3 | 21.4 | 20.3 | 720 | 90 | 90.3 | 89.4 | 87 | N | 0.042 | 96 |
| | 1470 | 160M | | 72.7 | 200 | 280 | 38 | 22.9 | 21.8 | 800 | 89.8 | 90.3 | 89.3 | 81 | H | 0.057 | 106 |
| 20 | 960 | 160L | 15 | 111.3 | 250 | 310 | 38 | 22.9 | 21.8 | 820 | 88.7 | 89.6 | 89.3 | 82 | H | 0.096 | 125 |
| | 2935 | 160M | | 48.8 | 200 | 280 | 46.9 | 28.3 | 26.9 | 700 | 90.3 | 91 | 90.6 | 89 | H | 0.048 | 103 |
| | 1470 | 160L | | 96.9 | 210 | 300 | 51.3 | 31.1 | 29.5 | 820 | 90.6 | 91.3 | 90.7 | 81 | N | 0.07 | 126 |
| 25 | 975 | 180L | 18.5 | 146.1 | 280 | 240 | 51.2 | 30.9 | 29.4 | 720 | 89.7 | 90.1 | 89.1 | 82 | H | 0.22 | 170 |
| | 2935 | 160L | | 60.2 | 230 | 290 | 55.8 | 33.8 | 32.1 | 770 | 91.5 | 92.3 | 92.2 | 91 | N | 0.059 | 118 |
| | 1470 | 180M | | 121.2 | 280 | 300 | 59.2 | 35.8 | 34 | 870 | 91.2 | 91.3 | 90.2 | 86 | H | 0.139 | 169 |
| 30 | 990 | 200L | 22 | 179.9 | 200 | 260 | 66 | 40 | 38 | 660 | 90.8 | 90.7 | 89.2 | 77 | H | 0.5 | 283 |
| | 2945 | 180M | | 71.3 | 260 | 320 | 68.7 | 41.6 | 39.5 | 750 | 91.3 | 91.7 | 90.8 | 88 | N | 0.062 | 156 |
| | 1460 | 180L | | 146.4 | 280 | 290 | 70.1 | 42.4 | 40.3 | 850 | 91.6 | 92 | 91.4 | 86 | H | 0.144 | 180 |
| 40 | 990 | 200L | 30 | 215.9 | 180 | 240 | 77 | 46 | 44 | 620 | 91 | 91.1 | 90 | 79 | H | 0.57 | 294 |
| | 2952 | 200L | | 97 | 200 | 260 | 91 | 55 | 52 | 630 | 92.3 | 92.7 | 92 | 90 | N | 0.15 | 265 |
| | 1474 | 200L | | 193.3 | 190 | 230 | 93 | 56 | 54 | 630 | 92.4 | 93.1 | 93 | 87 | H | 0.31 | 285 |
| 50 | 990 | 225M | 37 | 287.9 | 190 | 230 | 101 | 61 | 58 | 650 | 91.9 | 92.4 | 91.7 | 81 | H | 0.82 | 379 |
| | 2954 | 200L | | 120 | 180 | 250 | 110 | 66 | 63 | 600 | 92.7 | 93.5 | 93.6 | 91 | N | 0.18 | 283 |
| | 1484 | 225S | | 240 | 200 | 270 | 117 | 71 | 67 | 750 | 93.2 | 93.5 | 92.9 | 85 | H | 0.49 | 368 |
| 60 | 989 | 250M | 45 | 357 | 160 | 230 | 119 | 72 | 68 | 530 | 92.5 | 93 | 92.5 | 84 | H | 1.39 | 458 |
| | 2967 | 225M | | 145 | 150 | 280 | 135 | 82 | 78 | 620 | 93.1 | 93.6 | 93.2 | 90 | N | 0.26 | 380 |
| | 1485 | 225M | | 287.9 | 210 | 280 | 144 | 87 | 83 | 770 | 93.6 | 93.8 | 93 | 84 | H | 0.55 | 395 |
| 75 | 992 | 280S | 55 | 433 | 170 | 230 | 152 | 92 | 87 | 560 | 93 | 93 | 92 | 80 | H | 1.9 | 682 |
| | 2959 | 250M | | 177 | 180 | 230 | 163 | 98 | 94 | 570 | 93.3 | 93.9 | 93.8 | 91 | N | 0.42 | 492 |
| | 1479 | 250M | | 361.3 | 180 | 210 | 164 | 99 | 94 | 690 | 93.5 | 93.9 | 93 | 90 | H | 0.79 | 478 |
| 100 | 992 | 280M | 75 | 538.6 | 170 | 220 | 250 | 110 | 105 | 670 | 93.4 | 94.2 | 93.4 | 81 | H | 2.93 | 983 |
| | 2978 | 280S | | 241 | 150 | 290 | 220 | 133 | 127 | 690 | 94.1 | 94.4 | 94 | 91 | N | 0.76 | 655 |
| | 1489 | 280S | | 478.5 | 200 | 250 | 225 | 136 | 129 | 760 | 94.2 | 94.6 | 94.1 | 89 | H | 1.37 | 678 |
| 125 | 992 | 315S6 | 90 | 722 | 170 | 220 | 250 | 152 | 144 | 560 | 94 | 94.2 | 93.4 | 80 | H | 2.93 | 983 |
| | 2972 | 280M | | 289 | 150 | 240 | 264 | 160 | 152 | 650 | 94.2 | 94.2 | 93.4 | 91 | N | 0.95 | 688 |
| | 1486 | 280M | | 599.3 | 170 | 220 | 272 | 165 | 157 | 760 | 94.3 | 94.7 | 94.5 | 88 | H | 1.5 | 700 |
| 150 | 992 | 315M | 110 | 897.7 | 160 | 200 | 288 | 174 | 165 | 700 | 94.2 | 94.5 | 93.8 | 83 | H | 3.4 | 1073 |
| | 1489 | 315S | | 717.7 | 200 | 250 | 324 | 196 | 186 | 750 | 94.6 | 95.1 | 95 | 90 | H | 1.85 | 905 |
| | 992 | 315M | | 1077.3 | 170 | 210 | 352 | 213 | 203 | 730 | 94.4 | 94.7 | 94.1 | 83 | H | 4.21 | 1181 |
| 220 | 1487 | 315M | 160 | 1028 | 180 | 210 | 465 | 281 | 267 | 570 | 95.0 | 95.8 | 96.0 | 91 | H | 2.59 | 1047 |

METRIC IEC High Efficiency 20M Series – 1-220 HP (1.5-160 kW)

Performance Data

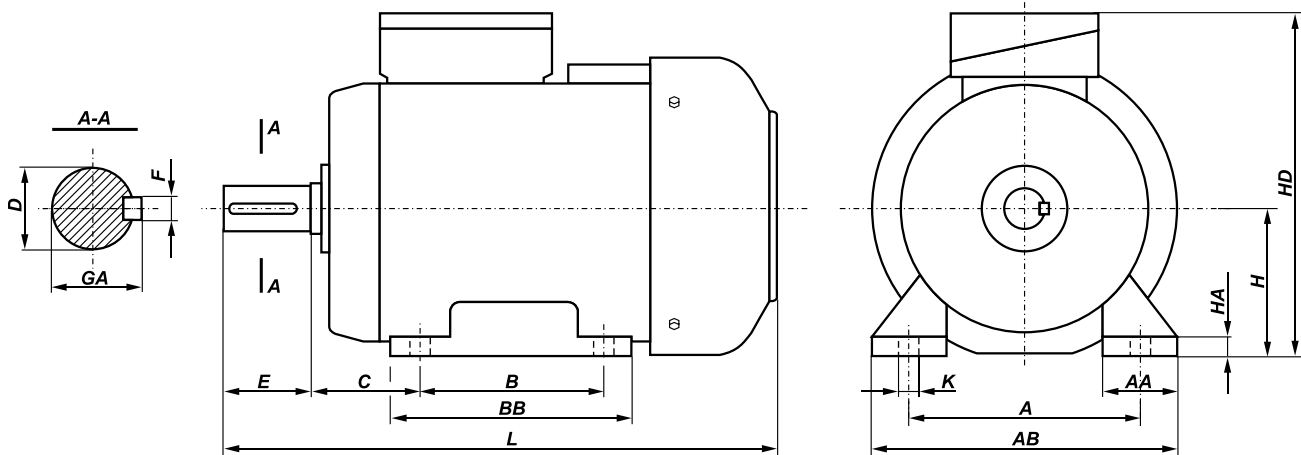
60 Hz Performance Data

| HP | RPM | Frame | kW | Torque | | | FLA | | | LRA | Efficiency | | | Power Factor | Design | WK ² lb ft ² | Wt lbs |
|-----|------|-------|------|-----------|-------|-------|------|------|-------|------|------------|------|------|--------------|--------|------------------------------------|--------|
| | | | | FLT lb ft | LRT % | BDT % | 230V | 460V | 575V | | % | FL | 75% | | | | |
| 1 | 1140 | 90S | .75 | 4.6 | 260 | 290 | 3.6 | 1.8 | 1.4 | 480 | 80 | 80.5 | 79.8 | 65 | H | 0.0398 | 37 |
| 1.5 | 1730 | 90S | 1.1 | 4.6 | 290 | 320 | 4.6 | 2.3 | 1.8 | 650 | 84 | 84.3 | 82.3 | 72 | H | 0.0462 | 36 |
| 2 | 3490 | 90S | 1.5 | 3 | 380 | 390 | 5.6 | 2.8 | 2.2 | 870 | 85.5 | 85.7 | 83.6 | 79 | N | 0.025 | 31 |
| | 1735 | 90L | | 6.2 | 290 | 420 | 6 | 3 | 2.4 | 710 | 84 | 84.4 | 82.4 | 74 | H | 0.0574 | 42 |
| 3 | 3470 | 90L | 2.2 | 4.5 | 410 | 410 | 8 | 4 | 3.2 | 830 | 86.5 | 87.4 | 86.4 | 80 | N | 0.35 | 38 |
| | 1750 | 100L | | 8.9 | 280 | 330 | 8 | 4 | 3.2 | 810 | 87.5 | 88.3 | 87.4 | 79 | H | 0.112 | 57 |
| | 1170 | 112M | | 13.5 | 240 | 360 | 10.6 | 5.3 | 4.2 | 600 | 87.5 | 88.4 | 87.2 | 61 | H | 0.282 | 71 |
| 4 | 3530 | 100L | 3 | 6 | 350 | 360 | 10.6 | 5.3 | 4.2 | 930 | 88.5 | 88.6 | 86.6 | 81 | N | 0.08 | 59 |
| | 1755 | 100L | | 12 | 380 | 390 | 11.6 | 5.8 | 4.6 | 840 | 87.5 | 87.6 | 85.8 | 74 | H | 0.123 | 67 |
| | 1165 | 132S | | 18 | 280 | 370 | 11.4 | 5.7 | 4.6 | 780 | 87.5 | 88.5 | 87.3 | 76 | H | 0.398 | 119 |
| 5.5 | 3525 | 112M | 4 | 8 | 260 | 290 | 13.4 | 6.7 | 5.4 | 830 | 88.5 | 90 | 89.6 | 85 | N | 0.15 | 74 |
| | 1760 | 112M | | 16.1 | 260 | 330 | 14.8 | 7.4 | 5.9 | 740 | 87.5 | 88.2 | 87.4 | 78 | H | 0.183 | 79 |
| | 1160 | 132M | | 24 | 290 | 350 | 15 | 7.5 | 6 | 750 | 87.5 | 88.5 | 87.8 | 76 | H | 0.6 | 146 |
| 7.5 | 3535 | 132S | 5.5 | 11.1 | 320 | 490 | 17.6 | 8.8 | 7 | 1010 | 89.5 | 91.2 | 90.5 | 88 | N | 0.3 | 132 |
| | 1770 | 132S | | 22.2 | 280 | 340 | 19.6 | 9.8 | 7.8 | 920 | 89.5 | 90 | 89.3 | 79 | H | 0.462 | 153 |
| | 1165 | 132M | | 33.8 | 300 | 380 | 22.4 | 11.2 | 9 | 840 | 89.5 | 90.3 | 89.3 | 77 | H | 0.636 | 159 |
| 10 | 3530 | 132S | 7.5 | 15 | 310 | 370 | 23 | 11.5 | 9.2 | 850 | 90.2 | 90.7 | 89.8 | 91 | N | 0.3 | 156 |
| | 1770 | 132M | | 29.9 | 280 | 370 | 26.2 | 13.1 | 10.5 | 860 | 89.5 | 90 | 89.3 | 80 | H | 0.574 | 163 |
| | 1165 | 160M | | 45.4 | 440 | 330 | 26.2 | 13.1 | 10.5 | 770 | 89.5 | 90.6 | 90.3 | 80 | H | 1.15 | 221 |
| 15 | 3550 | 160M | 11 | 22 | 240 | 300 | 35.2 | 17.6 | 14.1 | 830 | 91 | 91.3 | 90.4 | 86 | N | 0.7 | 212 |
| | 1765 | 160M | | 43.9 | 230 | 350 | 38 | 19 | 15.2 | 800 | 91 | 91.5 | 90.5 | 80 | H | 0.909 | 234 |
| | 1165 | 160L | | 66.6 | 280 | 350 | 37.4 | 18.7 | 15 | 820 | 90.2 | 91.1 | 90.8 | 82 | H | 1.53 | 276 |
| 20 | 3540 | 160M | 15 | 29 | 230 | 300 | 46.4 | 23.2 | 18.6 | 820 | 91 | 91.7 | 91.3 | 89 | H | 0.8 | 227 |
| | 1765 | 160L | | 59.9 | 260 | 380 | 51.8 | 25.9 | 20.7 | 820 | 91 | 91.7 | 91.1 | 80 | N | 1.12 | 278 |
| | 1175 | 180L | | 90 | 330 | 280 | 51.6 | 25.8 | 20.6 | 720 | 90.2 | 90.6 | 89.6 | 81 | H | 3.51 | 375 |
| 25 | 3540 | 160L | 18.5 | 36 | 240 | 340 | 56.2 | 28.1 | 22.5 | 900 | 91.7 | 92.5 | 92.4 | 90 | N | 1.05 | 260 |
| | 1775 | 180M | | 73.4 | 320 | 400 | 59.2 | 29.6 | 23.7 | 870 | 92.4 | 92.5 | 91.4 | 85 | H | 2.22 | 373 |
| | 1189 | 200L | | 109.2 | 240 | 260 | 62 | 31 | 24.8 | 670 | 91.7 | 91.9 | 90.4 | 81 | H | 7.98 | 624 |
| 30 | 3550 | 180M | 22 | 43 | 280 | 330 | 69.2 | 34.6 | 27.7 | 870 | 91.7 | 92.1 | 91.2 | 87 | N | 1.3 | 345 |
| | 1770 | 180L | | 87.6 | 340 | 350 | 69.4 | 34.7 | 27.8 | 850 | 92.4 | 92.8 | 92.2 | 86 | H | 2.3 | 397 |
| | 1188 | 200L | | 129.9 | 240 | 250 | 74 | 37 | 29.6 | 660 | 91.7 | 92.2 | 91.1 | 82 | H | 9.09 | 649 |
| 40 | 3566 | 200L | 30 | 59 | 290 | 320 | 90 | 45 | 36 | 850 | 92.4 | 92.8 | 92.1 | 90 | N | 2.47 | 585 |
| | 1776 | 200L | | 118.8 | 220 | 250 | 92 | 46 | 36.8 | 630 | 93 | 94.1 | 94 | 87 | H | 4.94 | 629 |
| | 1190 | 225M | | 177.1 | 210 | 240 | 98 | 49 | 39.2 | 710 | 93 | 93.5 | 92.8 | 83 | H | 13.08 | 836 |
| 50 | 3560 | 200L | 37 | 73.7 | 220 | 280 | 112 | 56 | 44.8 | 760 | 93 | 93.6 | 93.7 | 89 | N | 3.91 | 624 |
| | 1786 | 225S | | 147 | 260 | 320 | 116 | 58 | 46.4 | 850 | 93.6 | 94 | 93.4 | 86 | H | 7.82 | 812 |
| | 1193 | 250M | | 220 | 240 | 310 | 124 | 62 | 49.6 | 840 | 93 | 93.5 | 93 | 81 | H | 22.1 | 1010 |
| 60 | 3576 | 225M | 45 | 88.1 | 250 | 320 | 138 | 69 | 55.2 | 810 | 93.6 | 94.1 | 93.7 | 87 | N | 4.39 | 838 |
| | 1785 | 225M | | 176.5 | 250 | 310 | 140 | 70 | 56 | 850 | 93.6 | 94.1 | 93.3 | 86 | H | 8.77 | 871 |
| | 1193 | 280S | | 264 | 220 | 250 | 146 | 73 | 58.4 | 760 | 93.7 | 93.7 | 92.7 | 83 | H | 30.21 | 1504 |
| 75 | 3571 | 250M | 55 | 110.3 | 200 | 300 | 164 | 82 | 65.6 | 770 | 93.6 | 94.2 | 94.1 | 90 | N | 6.3 | 1085 |
| | 1784 | 250M | | 220.7 | 220 | 270 | 164 | 82 | 65.6 | 640 | 94.1 | 94.1 | 93.2 | 90 | H | 12.6 | 1054 |
| | 1193 | 280M | | 324.6 | 240 | 260 | 182 | 91 | 72.8 | 800 | 93.6 | 95 | 94.2 | 81 | H | 46.73 | 1639 |
| 100 | 3581 | 280S | 75 | 146.6 | 190 | 300 | 222 | 111 | 88.8 | 800 | 94.1 | 94.5 | 94.4 | 90 | N | 10.92 | 1444 |
| | 1789 | 280S | | 293.5 | 200 | 240 | 222 | 111 | 88.8 | 760 | 94.5 | 95.4 | 94.9 | 90 | H | 21.85 | 1495 |
| | 1193 | 315S | | 440 | 260 | 280 | 246 | 123 | 98.4 | 600 | 94.5 | 94.6 | 93.9 | 81 | H | 46.59 | 2168 |
| 125 | 3581 | 280M | 90 | 183.2 | 190 | 300 | 264 | 132 | 105.6 | 800 | 95 | 95 | 94.2 | 90 | N | 11.96 | 1517 |
| | 1790 | 280M | | 354.1 | 240 | 290 | 268 | 134 | 107.2 | 820 | 94.5 | 95.7 | 95.5 | 89 | H | 23.93 | 1544 |
| | 1194 | 315M | | 531.1 | 290 | 290 | 294 | 147 | 117.6 | 720 | 94.6 | 95 | 94.3 | 81 | H | 54.23 | 2366 |
| 150 | 1789 | 315S | 110 | 440 | 230 | 270 | 322 | 161 | 128.8 | 760 | 95 | 95.5 | 95.4 | 90 | H | 29.51 | 1996 |
| | 1193 | 315M | | 660 | 270 | 280 | 354 | 177 | 141.6 | 850 | 95 | 95.2 | 94.6 | 82 | H | 67.15 | 2604 |
| 220 | 1789 | 315M | 160 | 646 | 240 | 280 | 468 | 234 | 188 | 840 | 95.5 | 96.0 | 96.2 | 90 | H | 41.3 | 2310 |

General Information
Premium Efficient Motors
Metric IEC Motors
Medium Voltage Motors
Pump Motors
Crusher Duty Motors
Brake Motors
56C & T/T Rolled Steel Motors
Washdown Motors
575V Motors
Parts and Accessories
Technical Data

METRIC IEC Standard (40M Series) and High Efficiency (20M Series) IM B3 Footed IEC56-180

Mounting Dimensions

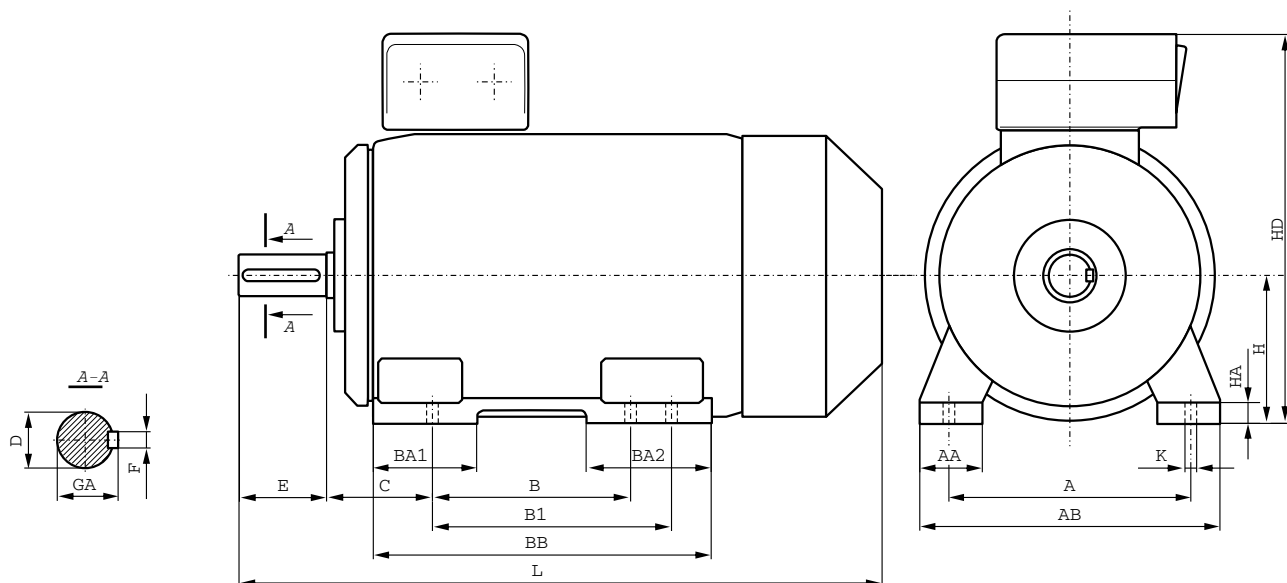


| Series | Frame | A | B | C | D | E | F | GA | H | HA | K | AA | AB | BB | HD | L |
|--------|----------------------|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|
| 40M | Sg 56-2A | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 5.8 | 30 | 110 | 92 | 154 | 188 |
| 40M | Sg 56-4A | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 5.8 | 30 | 110 | 92 | 154 | 149* |
| 40M | Sg 56-2B | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 5.8 | 30 | 110 | 92 | 154 | 196 |
| 40M | Sg 56-4B | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 5.8 | 30 | 110 | 92 | 154 | 157* |
| 40M | Sg 56-6B | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 5.8 | 30 | 110 | 92 | 154 | 196 |
| 40M | Sg 63-...A | 100 | 80 | 40 | 11 | 23 | 4 | 12.5 | 63 | 8.5 | 7 | 36 | 124 | 106 | 165 | 202 |
| 40M | Sg 63-...B | 100 | 80 | 40 | 11 | 23 | 4 | 12.5 | 63 | 8.5 | 7 | 36 | 124 | 106 | 165 | 214 |
| 40M | Sh 71-...A | 112 | 90 | 45 | 14 | 30 | 5 | 16 | 71 | 8 | 7 | 45 | 142 | 116 | 182 | 223 |
| 40M | Sh 71-...B | 112 | 90 | 45 | 14 | 30 | 5 | 16 | 71 | 8 | 7 | 45 | 142 | 116 | 182 | 245 |
| 40M | Sh 80-...A | 125 | 100 | 50 | 19 | 40 | 6 | 21.5 | 80 | 9 | 10 | 55 | 160 | 130 | 200 | 266 |
| 40M | Sh 80-...B | 125 | 100 | 50 | 19 | 40 | 6 | 21.5 | 80 | 9 | 10 | 55 | 160 | 130 | 200 | 278 |
| 20M | 2SIE 90S -2,4,6 | 140 | 100 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 50 | 170 | 153 | 153 | 220 | 330 |
| 20M | 2SIE 90L - 2 | 140 | 125 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 50 | 170 | 153 | 153 | 220 | 330 |
| 20M | 2SIE 90L -4,6 | 140 | 125 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 50 | 170 | 153 | 153 | 220 | 355 |
| 20M | 2SIE 100L -2,4A | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 12 | 45 | 200 | 172 | 172 | 240 | 420 |
| 20M | 2SIE 100L -4B | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 12 | 45 | 200 | 172 | 172 | 240 | 440 |
| 20M | 2SIE 100L -6 | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 12 | 45 | 200 | 172 | 172 | 240 | 376 |
| 20M | 2SIE 112M - 2,6 | 190 | 140 | 70 | 28j6 | 60 | 8h9 | 31 | 112 | 12 | 54 | 230 | 174 | 174 | 276 | 384 |
| 20M | 2SIE 112M-4 | 190 | 140 | 70 | 28j6 | 60 | 8h9 | 35 | 112 | 12 | 54 | 230 | 174 | 174 | 276 | 411 |
| 20M | 2SIE 132S -2A,6 | 216 | 140 | 89 | 38k6 | 80 | 10h9 | 41 | 132 | 12 | 56 | 278 | 182 | 182 | 310 | 463 |
| 20M | 2SIE 132S -2B,4 | 216 | 140 | 89 | 38k6 | 80 | 10h9 | 41 | 132 | 12 | 56 | 278 | 220 | 220 | 310 | 501 |
| 20M | 2SIE 132M -4,6A,6B | 216 | 178 | 89 | 38k6 | 80 | 10h9 | 41 | 132 | 12 | 56 | 278 | 220 | 220 | 310 | 501 |
| 20M | 2SIE 160M -2A,2B,4,6 | 254 | 210 | 108 | 42k6 | 110 | 12h9 | 45 | 160 | 15 | 60 | 305 | 256 | 256 | 370 | 612 |
| 20M | 2SIE 160L -2,4,6 | 254 | 254 | 108 | 42k6 | 110 | 12h9 | 45 | 160 | 15 | 60 | 305 | 300 | 300 | 370 | 656 |
| 20M | 2SIE 180M -2,4 | 279 | 241 | 121 | 48k6 | 110 | 14h9 | 51.5 | 180 | 15 | 70 | 350 | 320 | 320 | 408 | 705 |
| 20M | 2SIE 180L -4,6 | 279 | 279 | 121 | 48k6 | 110 | 14h9 | 51.5 | 180 | 15 | 70 | 350 | 320 | 320 | 408 | 705 |

Units in millimeters and (...) regards all RPMs (2p=2,4,6).

METRIC IEC High Efficiency 20M Series – IM B3 Footed IEC200-355

Mounting Dimensions

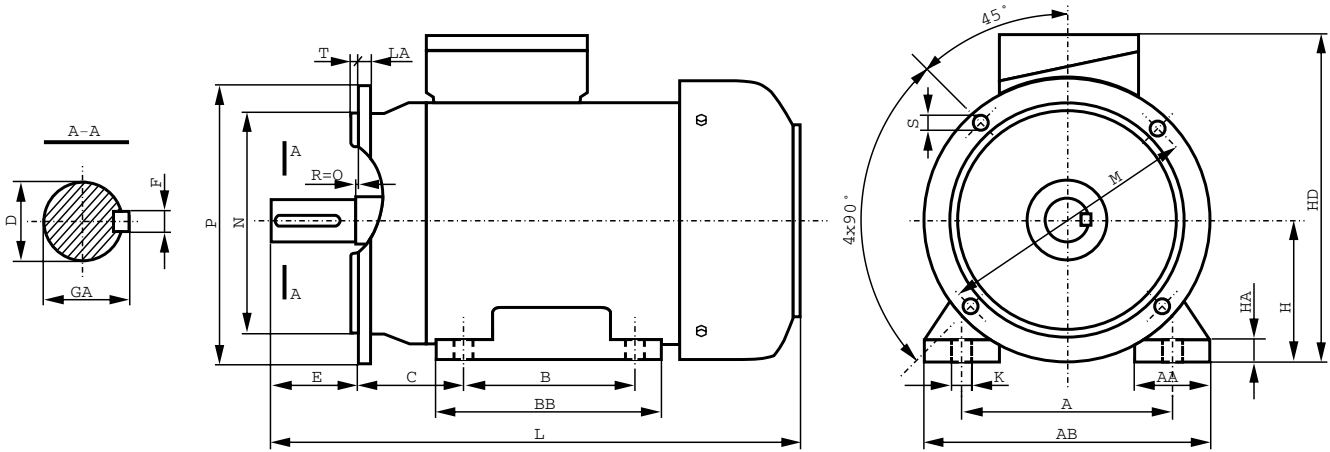


| Frame | A | B | B1 | C | D | E | F | GA | H | HA | K | AA | AB | BA1 | BA2 | BB | HD | L |
|----------------------|-----|-----|-----|-----|-----|-----|----|------|-----|----|----|-----|-----|-----|-----|------|-----|------|
| 2SIE 200 | 318 | 305 | – | 133 | 55 | 110 | 16 | 59 | 200 | 32 | 19 | 80 | 400 | 113 | 113 | 380 | 520 | 850 |
| 2SIE 225 S4 | 356 | 286 | 311 | 149 | 60 | 140 | 18 | 64 | 225 | 34 | 19 | 85 | 440 | 115 | 115 | 380 | 570 | 960 |
| 2SIE 225 M2 | 356 | 286 | 311 | 149 | 55 | 110 | 16 | 59 | 225 | 34 | 19 | 85 | 440 | 115 | 115 | 380 | 570 | 930 |
| 2SIE 225 M4-6 | 356 | 286 | 311 | 149 | 60 | 140 | 18 | 64 | 225 | 34 | 19 | 85 | 440 | 115 | 115 | 380 | 570 | 960 |
| 2SIE 250 M2 | 406 | 349 | – | 168 | 60 | 140 | 18 | 64 | 250 | 37 | 24 | 90 | 480 | 135 | 135 | 445 | 635 | 1010 |
| 2SIE 250 M4-6 | 406 | 349 | – | 168 | 65 | 140 | 18 | 69 | 250 | 37 | 24 | 90 | 480 | 135 | 135 | 445 | 635 | 1040 |
| 2SIE 280 S2 | 457 | 368 | 419 | 190 | 65 | 140 | 18 | 69 | 280 | 40 | 24 | 105 | 550 | 130 | 165 | 520 | 720 | 1135 |
| 2SIE 280 S4-6 | 457 | 368 | 419 | 190 | 75 | 140 | 20 | 79.5 | 280 | 40 | 24 | 105 | 550 | 130 | 165 | 520 | 720 | 1135 |
| 2SIE 280 M2 | 457 | 368 | 419 | 190 | 65 | 140 | 18 | 69 | 280 | 40 | 24 | 105 | 550 | 130 | 165 | 520 | 720 | 1135 |
| 2SIE 280 M4-6 | 457 | 368 | 419 | 190 | 75 | 140 | 20 | 79.5 | 280 | 40 | 24 | 105 | 550 | 130 | 165 | 520 | 720 | 1135 |
| 2SIE 315 S2 | 508 | 406 | 457 | 216 | 65 | 140 | 18 | 69 | 315 | 48 | 28 | 135 | 610 | 135 | 205 | 600 | 805 | 1325 |
| 2SIE 315 S4-6 | 508 | 406 | 457 | 216 | 80 | 170 | 22 | 85 | 315 | 48 | 28 | 135 | 610 | 135 | 205 | 600 | 805 | 1355 |
| 2SIE 315 M2A,B,C,D | 508 | 406 | 457 | 216 | 65 | 140 | 18 | 69 | 315 | 48 | 28 | 135 | 610 | 135 | 205 | 600 | 805 | 1325 |
| 2SIE 315 M4-6A,B,C,D | 508 | 406 | 457 | 216 | 80 | 170 | 22 | 85 | 315 | 48 | 28 | 135 | 610 | 135 | 205 | 600 | 805 | 1355 |
| 2SIE 315 ML (4,6) | 508 | 457 | 508 | 216 | 80 | 170 | 22 | 85 | 315 | 40 | 28 | 120 | 620 | 150 | 180 | 637 | 865 | 1345 |
| 2SIE 355 ML (2) | 610 | 560 | 630 | 254 | 80 | 170 | 22 | 85 | 355 | 50 | 28 | 150 | 720 | 250 | 300 | 890 | 935 | 1580 |
| 2SIE 355 ML (4,6) | 610 | 560 | 630 | 254 | 100 | 210 | 28 | 106 | 355 | 50 | 28 | 150 | 720 | 250 | 300 | 890 | 935 | 1620 |
| 2SIE 355 H (2) | 610 | 900 | – | 200 | 70 | 140 | 20 | 74.5 | 355 | 45 | 28 | 160 | 730 | 265 | 265 | 1045 | 995 | 1800 |
| 2SIE 355 H (4,6) | 610 | 900 | – | 200 | 100 | 210 | 28 | 106 | 355 | 45 | 28 | 160 | 730 | 265 | 265 | 1045 | 995 | 1870 |

Units in millimeters and (...) regards all RPMs (2p=2,4,6).

METRIC IEC Standard (40M Series) and High Efficiency (20M Series)
IM B35 D-Flange IEC56-180

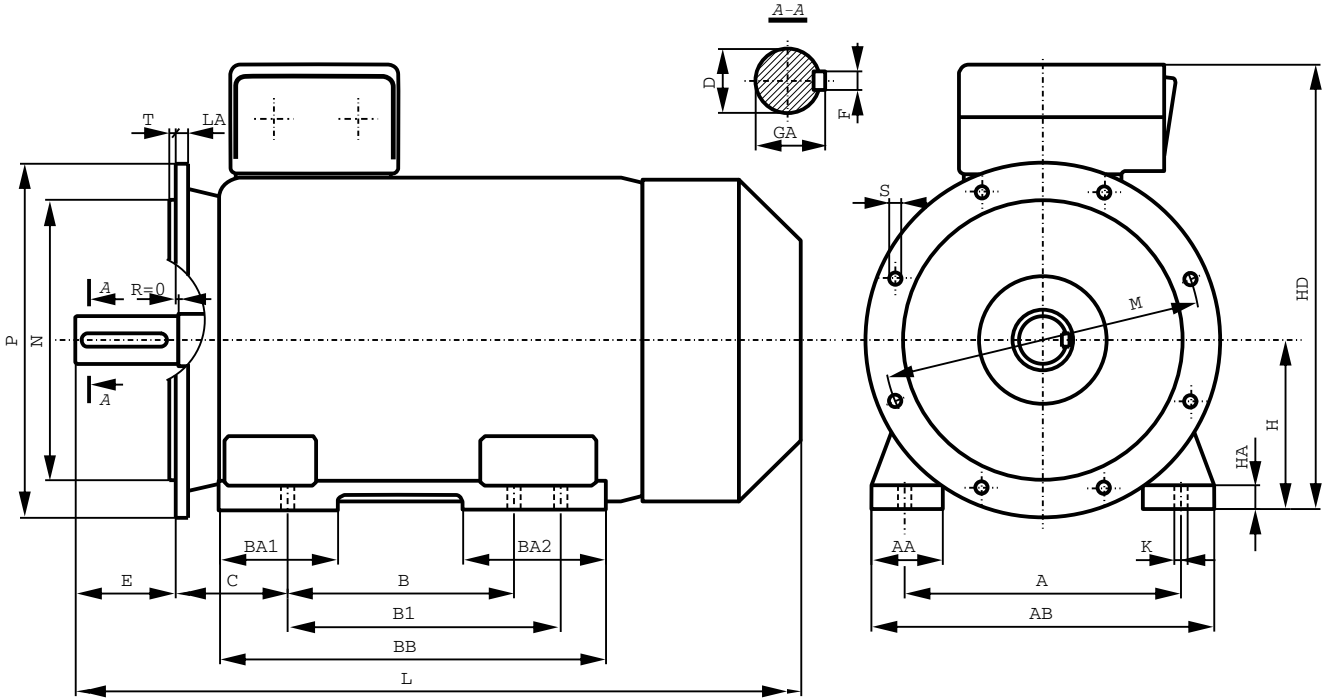
Mounting Dimensions



| Series | Frame | A | B | C | D | E | F | GA | H | K | M | N | P | S | LA | T | AA | AB | BB | HA | HD |
|--------|----------------------|-----|-----|-----|------|-----|------|------|-----|----|-----|-------|-----|----|----|-----|----|-----|-----|-----|-----|
| 40M | SLg 56-2A | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 8 | 100 | 80 | 120 | 7 | 8 | 3 | 30 | 110 | 92 | 7 | 154 |
| 40M | SLg 56-4A | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 8 | 100 | 80 | 120 | 7 | 8 | 3 | 30 | 110 | 92 | 7 | 154 |
| 40M | SLg 56-2B | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 8 | 100 | 80 | 120 | 7 | 8 | 3 | 30 | 110 | 92 | 7 | 154 |
| 40M | SLg 56-4B | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 8 | 100 | 80 | 120 | 7 | 8 | 3 | 30 | 110 | 92 | 7 | 154 |
| 40M | SLg 56-6B | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 8 | 100 | 80 | 120 | 7 | 8 | 3 | 30 | 110 | 92 | 7 | 154 |
| 40M | SLg 63-A | 100 | 80 | 40 | 11 | 23 | 4 | 12.5 | 63 | 10 | 115 | 95 | 140 | 10 | 9 | 3 | 36 | 124 | 106 | 8.5 | 165 |
| 40M | SLg 63...B | 100 | 80 | 40 | 11 | 23 | 4 | 12.5 | 63 | 10 | 115 | 95 | 140 | 10 | 9 | 3 | 36 | 124 | 106 | 8.5 | 165 |
| 40M | SLh 71...A | 112 | 90 | 45 | 14 | 30 | 5 | 16 | 71 | 10 | 130 | 110 | 160 | 10 | 9 | 3.5 | 45 | 142 | 116 | 8 | 182 |
| 40M | SLh 71...B | 112 | 90 | 45 | 14 | 30 | 5 | 16 | 71 | 10 | 130 | 110 | 160 | 10 | 9 | 3.5 | 45 | 142 | 116 | 8 | 182 |
| 40M | SLh 80...A | 125 | 100 | 50 | 19 | 40 | 6 | 21.5 | 80 | 10 | 165 | 130 | 200 | 12 | 10 | 3.5 | 55 | 160 | 130 | 9 | 200 |
| 40M | SLh 80...B | 125 | 100 | 50 | 19 | 40 | 6 | 21.5 | 80 | 10 | 165 | 130 | 200 | 12 | 10 | 3.5 | 55 | 160 | 130 | 9 | 200 |
| 20M | 2SIEL 90S-2,4,6 | 140 | 100 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 165 | 130j6 | 200 | 12 | 8 | 3.5 | 50 | 170 | 153 | 10 | 220 |
| 20M | 2SIEL 90L-2 | 140 | 125 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 165 | 130j6 | 200 | 12 | 8 | 3.5 | 50 | 170 | 153 | 10 | 220 |
| 20M | 2SIEL 90L-4,6 | 140 | 125 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 165 | 130j6 | 200 | 12 | 8 | 3.5 | 50 | 170 | 153 | 10 | 220 |
| 20M | 2SIEL 100L-2,4A | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 12 | 215 | 180j6 | 250 | 15 | 11 | 4 | 45 | 200 | 172 | 14 | 240 |
| 20M | 2SIEL 100L-4B | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 12 | 215 | 180j6 | 250 | 15 | 11 | 4 | 45 | 200 | 172 | 14 | 240 |
| 20M | 2SIEL 100L-6 | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 12 | 215 | 180j6 | 250 | 15 | 11 | 4 | 45 | 200 | 172 | 14 | 240 |
| 20M | 2SIEL 112M-2,6 | 190 | 140 | 70 | 28j6 | 60 | 8h9 | 31 | 112 | 12 | 215 | 180j6 | 250 | 15 | 12 | 4 | 54 | 230 | 174 | 14 | 276 |
| 20M | 2SIEL 112M-4 | 190 | 140 | 70 | 28j6 | 60 | 8h9 | 31 | 112 | 12 | 215 | 180j6 | 250 | 15 | 12 | 4 | 54 | 230 | 174 | 14 | 276 |
| 20M | 2SIEL 132S-2A,6 | 216 | 140 | 89 | 38k6 | 80 | 10h9 | 41 | 132 | 12 | 265 | 230j6 | 300 | 15 | 12 | 4 | 56 | 278 | 182 | 16 | 310 |
| 20M | 2SIEL 132S-2B,4 | 216 | 140 | 89 | 38k6 | 80 | 10h9 | 41 | 132 | 12 | 265 | 230j6 | 300 | 15 | 12 | 4 | 56 | 278 | 220 | 16 | 310 |
| 20M | 2SIEL 132M-4,6A,6B | 216 | 178 | 89 | 38k6 | 80 | 10h9 | 41 | 132 | 12 | 265 | 230j6 | 300 | 15 | 12 | 4 | 56 | 278 | 220 | 16 | 310 |
| 20M | 2SIEL 160M-2A,2B,4,6 | 254 | 210 | 108 | 42k6 | 110 | 12h9 | 45 | 160 | 15 | 300 | 250j6 | 350 | 19 | 13 | 5 | 60 | 305 | 256 | 20 | 370 |
| 20M | 2SIEL 160L-2,4,6 | 254 | 254 | 108 | 42k6 | 110 | 12h9 | 45 | 160 | 15 | 300 | 250j6 | 350 | 19 | 13 | 5 | 60 | 305 | 300 | 20 | 370 |
| 20M | 2SIEL 180M-2,4 | 279 | 241 | 121 | 48k6 | 110 | 14h9 | 51.5 | 180 | 15 | 300 | 250j6 | 350 | 19 | 13 | 5 | 70 | 350 | 320 | 26 | 408 |
| 20M | 2SIEL 180L-4,6 | 279 | 279 | 121 | 48k6 | 110 | 14h9 | 51.5 | 180 | 15 | 300 | 250j6 | 350 | 19 | 13 | 5 | 70 | 350 | 320 | 26 | 408 |

Units in millimeters and (...) regards all RPMs (2p=2,4,6).

METRIC IEC High Efficiency 20M Series – IM B35 D-Flange IEC200-355
Mounting Dimensions

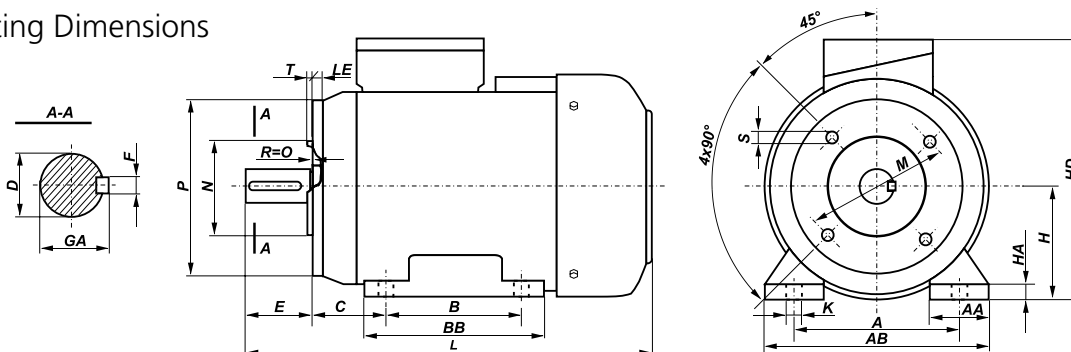


| Frame | A | B | B1 | C | D | E | F | GA | H | HA | K | AA | AB | BA1 | BA2 | BB | HD | LA | P | M | N | S | T | L |
|----------------------|-----|-----|-----|-----|-----|-----|----|------|-----|----|----|-----|-----|-----|-----|------|-----|------|-----|-----|-----|----|---|------|
| 2SIEL 200 | 318 | 305 | - | 133 | 55 | 110 | 16 | 59 | 200 | 32 | 19 | 80 | 400 | 113 | 113 | 380 | 520 | 16.5 | 400 | 350 | 300 | 19 | 5 | 850 |
| 2SIEL 225S4 | 356 | 286 | 311 | 149 | 60 | 140 | 18 | 64 | 225 | 34 | 19 | 85 | 440 | 115 | 115 | 380 | 570 | 18 | 450 | 400 | 350 | 19 | 5 | 960 |
| 2SIEL 225M2 | 356 | 286 | 311 | 149 | 55 | 110 | 16 | 59 | 225 | 34 | 19 | 85 | 440 | 115 | 115 | 380 | 570 | 18 | 450 | 400 | 350 | 19 | 5 | 930 |
| 2SIEL 225M4-6 | 356 | 286 | 311 | 149 | 60 | 140 | 18 | 64 | 225 | 34 | 19 | 85 | 440 | 115 | 115 | 380 | 570 | 18 | 450 | 400 | 350 | 19 | 5 | 960 |
| 2SIEL 250M2 | 406 | 349 | - | 168 | 60 | 140 | 18 | 64 | 250 | 37 | 24 | 90 | 480 | 135 | 135 | 445 | 635 | 23 | 550 | 500 | 450 | 19 | 5 | 1010 |
| 2SIEL 250M4-6 | 406 | 349 | - | 168 | 65 | 140 | 18 | 69 | 250 | 37 | 24 | 90 | 480 | 135 | 135 | 445 | 635 | 23 | 550 | 500 | 450 | 19 | 5 | 1040 |
| 2SIEL 280S2 | 457 | 368 | 419 | 190 | 65 | 140 | 18 | 69 | 280 | 40 | 24 | 105 | 550 | 130 | 165 | 520 | 720 | 23 | 550 | 500 | 450 | 19 | 5 | 1135 |
| 2SIEL 280S4-6 | 457 | 368 | 419 | 190 | 75 | 140 | 20 | 79.5 | 280 | 40 | 24 | 105 | 550 | 130 | 165 | 520 | 720 | 23 | 550 | 500 | 450 | 19 | 5 | 1135 |
| 2SIEL 280M2 | 457 | 368 | 419 | 190 | 65 | 140 | 18 | 69 | 280 | 40 | 24 | 105 | 550 | 130 | 165 | 520 | 720 | 23 | 550 | 500 | 450 | 19 | 5 | 1135 |
| 2SIEL 280M4-6 | 457 | 368 | 419 | 190 | 75 | 140 | 20 | 79.5 | 280 | 40 | 24 | 105 | 550 | 130 | 165 | 520 | 720 | 23 | 550 | 500 | 450 | 19 | 5 | 1135 |
| 2SIEL 315S2 | 508 | 406 | 457 | 216 | 65 | 140 | 18 | 69 | 315 | 48 | 28 | 135 | 610 | 135 | 205 | 600 | 805 | 23 | 660 | 600 | 550 | 24 | 6 | 1325 |
| 2SIEL 315S4-6 | 508 | 406 | 457 | 216 | 80 | 170 | 22 | 85 | 315 | 48 | 28 | 135 | 610 | 135 | 205 | 600 | 805 | 23 | 660 | 600 | 550 | 24 | 6 | 1355 |
| 2SIEL 315M2A;B;C;D | 508 | 406 | 457 | 216 | 65 | 140 | 18 | 69 | 315 | 48 | 28 | 135 | 610 | 135 | 205 | 600 | 805 | 23 | 660 | 600 | 550 | 24 | 6 | 1325 |
| 2SIEL 315M4-6A;B;C;D | 508 | 406 | 457 | 216 | 80 | 170 | 22 | 85 | 315 | 48 | 28 | 135 | 610 | 135 | 205 | 600 | 805 | 23 | 660 | 600 | 550 | 24 | 6 | 1355 |
| 2SIEL 315ML (4,6) | 508 | 457 | 508 | 216 | 80 | 170 | 22 | 85 | 315 | 40 | 28 | 120 | 620 | 150 | 180 | 637 | 865 | 22 | 660 | 600 | 550 | 22 | 6 | 1345 |
| 2SIEL 355ML -2 | 610 | 560 | 630 | 254 | 80 | 170 | 22 | 85 | 355 | 50 | 28 | 150 | 720 | 250 | 300 | 890 | 935 | 24 | 800 | 740 | 680 | 22 | 6 | 1580 |
| 2SIEL 355ML (4,6) | 610 | 560 | 630 | 254 | 100 | 210 | 28 | 106 | 355 | 50 | 28 | 150 | 720 | 250 | 300 | 890 | 935 | 24 | 800 | 740 | 680 | 22 | 6 | 1620 |
| 2SIEL 355H -2 | 610 | 900 | - | 254 | 70 | 140 | 20 | 74.5 | 355 | 45 | 28 | 160 | 730 | 265 | 265 | 1045 | 995 | 24 | 800 | 740 | 680 | 22 | 6 | 1854 |
| 2SIEL 355H (4,6) | 610 | 900 | - | 254 | 100 | 210 | 28 | 106 | 355 | 45 | 28 | 160 | 730 | 265 | 265 | 1045 | 995 | 24 | 800 | 740 | 680 | 22 | 6 | 1924 |

Units in millimeters and (...) regards all RPMs (2p=2,4,6).

METRIC IEC Standard (40M Series) and High Efficiency (20M Series) IM B34 & B34/1 C-Face IEC56-160

Mounting Dimensions



| Series | Frame | Flange | A | B | C | D | E | F | GA | H | HA | K | M | N | P | S | LE | T | AA | AB | BB | HD | L |
|--------|----------------------|--------|-----|-----|-----|------|-----|------|------|-----|-----|----|-----|-------|-----|-----|------|-----|----|-----|-----|-----|------|
| 40M | SLg 56-2A1 | B34/1 | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 8 | 85 | 70 | 105 | M6 | 15 | 2.5 | 30 | 110 | 92 | 154 | 188 |
| 40M | SLg 56-2A2 | B34 | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 8 | 65 | 50 | 80 | M5 | 12.5 | 2.5 | 30 | 110 | 92 | 154 | 188 |
| 40M | SLg 56-4A1 | B34/1 | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 8 | 85 | 70 | 105 | M6 | 15 | 2.5 | 30 | 110 | 92 | 154 | 149* |
| 40M | SLg 56-4A2 | B34 | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 8 | 65 | 50 | 80 | M5 | 12.5 | 2.5 | 30 | 110 | 92 | 154 | 149* |
| 40M | SLg 56-2B1 | B34/1 | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 8 | 85 | 70 | 105 | M6 | 15 | 2.5 | 30 | 110 | 92 | 154 | 196 |
| 40M | SLg 56-2B2 | B34 | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 8 | 65 | 50 | 80 | M5 | 12.5 | 2.5 | 30 | 110 | 92 | 154 | 196 |
| 40M | SLg 56-4B1 | B34/1 | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 8 | 85 | 70 | 105 | M6 | 15 | 2.5 | 30 | 110 | 92 | 154 | 157* |
| 40M | SLg 56-4B2 | B34 | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 8 | 65 | 50 | 80 | M5 | 12.5 | 2.5 | 30 | 110 | 92 | 154 | 157* |
| 40M | SLg 56-6B1 | B34/1 | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 8 | 85 | 70 | 105 | M6 | 15 | 2.5 | 30 | 110 | 92 | 154 | 196 |
| 40M | SLg 56-6B2 | B34 | 90 | 71 | 36 | 9 | 20 | 3 | 10.2 | 56 | 7 | 8 | 65 | 50 | 80 | M5 | 12.5 | 2.5 | 30 | 110 | 92 | 154 | 196 |
| 40M | SLg 63-...A1 | B34/1 | 100 | 80 | 40 | 11 | 23 | 4 | 12.5 | 63 | 8.5 | 10 | 100 | 80 | 120 | M6 | 14 | 3 | 36 | 124 | 106 | 165 | 202 |
| 40M | SLg 63-...A2 | B34 | 100 | 80 | 40 | 11 | 23 | 4 | 12.5 | 63 | 8.5 | 10 | 75 | 60 | 90 | M5 | 9.5 | 2.5 | 36 | 124 | 106 | 165 | 202 |
| 40M | SLg 63-...B1 | B34/1 | 100 | 80 | 40 | 11 | 23 | 4 | 12.5 | 63 | 8.5 | 10 | 100 | 80 | 120 | M6 | 14 | 3 | 36 | 124 | 106 | 165 | 214 |
| 40M | SLg 63-...B2 | B34 | 100 | 80 | 40 | 11 | 23 | 4 | 12.5 | 63 | 8.5 | 10 | 75 | 60 | 90 | M5 | 9.5 | 2.5 | 36 | 124 | 106 | 165 | 214 |
| 40M | SLh 71-...A1 | B34/1 | 112 | 90 | 45 | 14 | 30 | 5 | 16 | 71 | 8 | 10 | 115 | 95 | 140 | M8 | 14 | 3 | 45 | 142 | 116 | 182 | 223 |
| 40M | SLh 71-...A2 | B34 | 112 | 90 | 45 | 14 | 30 | 5 | 16 | 71 | 8 | 10 | 85 | 70 | 105 | M6 | 12 | 2.5 | 45 | 142 | 116 | 182 | 223 |
| 40M | SLh 71-...B1 | B34/1 | 112 | 90 | 45 | 14 | 30 | 5 | 16 | 71 | 8 | 10 | 115 | 95 | 140 | M8 | 14 | 3 | 45 | 142 | 116 | 182 | 245 |
| 40M | SLh 71-...B2 | B34 | 112 | 90 | 45 | 14 | 30 | 5 | 16 | 71 | 8 | 10 | 85 | 70 | 105 | M6 | 12 | 2.5 | 45 | 142 | 116 | 182 | 245 |
| 40M | SLh 80-...A1 | B34/1 | 125 | 100 | 50 | 19 | 40 | 6 | 21.5 | 80 | 9 | 10 | 130 | 110 | 160 | M8 | 14 | 3.5 | 55 | 160 | 130 | 200 | 266 |
| 40M | SLh 80-...A2 | B34 | 125 | 100 | 50 | 19 | 40 | 6 | 21.5 | 80 | 9 | 10 | 100 | 80 | 120 | M6 | 12 | 3 | 55 | 160 | 130 | 200 | 266 |
| 40M | SLh 80-...B1 | B34/1 | 125 | 100 | 50 | 19 | 40 | 6 | 21.5 | 80 | 9 | 10 | 130 | 110 | 160 | M8 | 14 | 3.5 | 55 | 160 | 130 | 200 | 278 |
| 40M | SLh 80-...B2 | B34 | 125 | 100 | 50 | 19 | 40 | 6 | 21.5 | 80 | 9 | 10 | 100 | 80 | 120 | M6 | 12 | 3 | 55 | 160 | 130 | 195 | 278 |
| 20M | 2SIEL 90S 2,4,6 | B34/1 | 140 | 100 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 10 | 130 | 110j6 | 160 | M8 | 10 | 3.5 | 41 | 170 | 153 | 228 | 331 |
| 20M | 2SIEL 90S 2,4,6 | B34 | 140 | 100 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 10 | 115 | 95j6 | 140 | M8 | 10 | 3 | 41 | 170 | 153 | 228 | 331 |
| 20M | 2SIEL 90L 2 | B34/1 | 140 | 125 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 10 | 130 | 110j6 | 160 | M8 | 10 | 3.5 | 41 | 170 | 153 | 228 | 331 |
| 20M | 2SIEL 90L 2 | B34 | 140 | 125 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 10 | 115 | 95j6 | 140 | M8 | 10 | 3 | 41 | 170 | 153 | 228 | 331 |
| 20M | 2SIEL 90L 4,6 | B34/1 | 140 | 125 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 10 | 130 | 110j6 | 160 | M8 | 10 | 3.5 | 41 | 170 | 153 | 228 | 356 |
| 20M | 2SIEL 90L 4,6 | B34 | 140 | 125 | 56 | 24j6 | 50 | 8h9 | 27 | 90 | 10 | 10 | 115 | 95j6 | 140 | M8 | 10 | 3 | 41 | 170 | 153 | 228 | 356 |
| 20M | 2SIEL 100L 2,6 | B34/1 | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 14 | 12 | 165 | 130j6 | 200 | M10 | 12 | 3.5 | 44 | 197 | 174 | 250 | 377 |
| 20M | 2SIEL 100L 2,6 | B34 | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 14 | 12 | 130 | 110j6 | 160 | M8 | 12 | 3.5 | 44 | 197 | 174 | 250 | 377 |
| 20M | 2SIEL 100L 4A | B34/1 | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 14 | 12 | 165 | 130j6 | 200 | M10 | 12 | 3.5 | 44 | 197 | 174 | 250 | 421 |
| 20M | 2SIEL 100L 4A | B34 | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 14 | 12 | 130 | 110j6 | 160 | M8 | 12 | 3.5 | 44 | 197 | 174 | 250 | 421 |
| 20M | 2SIEL 100L 4B | B34/1 | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 14 | 12 | 165 | 130j6 | 200 | M10 | 12 | 3.5 | 44 | 197 | 174 | 250 | 421 |
| 20M | 2SIEL 100L 4B | B34 | 160 | 140 | 63 | 28j6 | 60 | 8h9 | 31 | 100 | 14 | 12 | 130 | 110j6 | 160 | M8 | 12 | 3.5 | 44 | 197 | 174 | 250 | 421 |
| 20M | 2SIEL 112M 2,6 | B34/1 | 190 | 140 | 70 | 28j6 | 60 | 8h9 | 31 | 112 | 14 | 12 | 165 | 130j6 | 200 | M10 | 12 | 3.5 | 49 | 230 | 174 | 276 | 389 |
| 20M | 2SIEL 112M 2,6 | B34 | 190 | 140 | 70 | 28j6 | 60 | 8h9 | 31 | 112 | 14 | 12 | 130 | 110j6 | 160 | M8 | 12 | 3.5 | 49 | 230 | 174 | 276 | 389 |
| 20M | 2SIEL 112M 4 | B34/1 | 190 | 140 | 70 | 28j6 | 60 | 8h9 | 31 | 112 | 14 | 12 | 165 | 130j6 | 200 | M10 | 12 | 3.5 | 49 | 230 | 174 | 276 | 416 |
| 20M | 2SIEL 112M 4 | B34 | 190 | 140 | 70 | 28j6 | 60 | 8h9 | 31 | 112 | 14 | 12 | 130 | 110j6 | 160 | M8 | 12 | 3.5 | 49 | 230 | 174 | 276 | 416 |
| 20M | 2SIEL 132S 2A,6 | B34/1 | 216 | 140 | 89 | 38j6 | 80 | 10h9 | 41 | 132 | 17 | 12 | 215 | 180j6 | 250 | M12 | 12 | 4 | 62 | 274 | 182 | 310 | 461 |
| 20M | 2SIEL 132S 2A,6 | B34 | 216 | 140 | 89 | 38j6 | 80 | 10h9 | 41 | 132 | 17 | 12 | 165 | 130j6 | 200 | M10 | 12 | 3.5 | 62 | 274 | 182 | 310 | 461 |
| 20M | 2SIEL 132S 2B,4 | B34/1 | 216 | 140 | 89 | 38j6 | 80 | 10h9 | 41 | 132 | 17 | 12 | 215 | 180j6 | 250 | M12 | 12 | 4 | 62 | 274 | 182 | 310 | 499 |
| 20M | 2SIEL 132S 2B,4 | B34 | 216 | 140 | 89 | 38j6 | 80 | 10h9 | 41 | 132 | 17 | 12 | 165 | 130j6 | 200 | M10 | 12 | 3.5 | 62 | 274 | 182 | 310 | 499 |
| 20M | 2SIEL 132M 4,6A,6B | B34/1 | 216 | 178 | 89 | 38j6 | 80 | 10h9 | 41 | 132 | 17 | 12 | 215 | 180j6 | 250 | M12 | 12 | 4 | 62 | 274 | 220 | 310 | 499 |
| 20M | 2SIEL 132M 4,6A,6B | B34 | 216 | 178 | 89 | 38j6 | 80 | 10h9 | 41 | 132 | 17 | 12 | 165 | 130j6 | 200 | M10 | 12 | 3.5 | 62 | 274 | 220 | 310 | 499 |
| 20M | 2SIEL 160M 2A,2B,4,6 | B34/1 | 254 | 210 | 108 | 42k6 | 110 | 12h9 | 45 | 160 | 22 | 15 | 265 | 230j6 | 300 | M12 | 13 | 4 | 60 | 305 | 256 | 365 | 611 |
| 20M | 2SIEL 160M 2A,2B,4,6 | B34 | 254 | 210 | 108 | 42k6 | 110 | 12h9 | 45 | 160 | 22 | 15 | 215 | 180j6 | 250 | M12 | 20 | 4 | 60 | 305 | 256 | 365 | 611 |
| 20M | 2SIEL 160L 2,4,6 | B34/1 | 254 | 254 | 108 | 42k6 | 110 | 12h9 | 45 | 160 | 22 | 15 | 265 | 230j6 | 300 | M12 | 13 | 4 | 60 | 305 | 300 | 365 | 655 |
| 20M | 2SIEL 160L 2,4,6 | B34 | 254 | 254 | 108 | 42k6 | 110 | 12h9 | 45 | 160 | 22 | 15 | 215 | 180j6 | 250 | M12 | 20 | 4 | 60 | 305 | 300 | 365 | 655 |

Units in millimeters and (...) regards all RPMs (2p=2,4,6).

B34 is standard B14 (C-Face) flange motor with feet. B34/1 is non-standard reduction B14 (C-Face) flange motor with feet.

Premium JM/JP Pump 20J Series – 1-60 HP

Performance Data

| HP | RPM | Frame | Torque | | | FLA | | | LRA | | Efficiency | | | Power Factor | | | NEMA Design | Code | SF | WK ² lb ft ² | lbs |
|-----|------|-------|-----------|-------|-------|------|------|-------|------|-------|------------|------|------|--------------|-----|-----|-------------|------|-----|------------------------------------|-----|
| | | | FLT lb-ft | LRT % | BDT % | 460V | 575V | 208V | 460V | 575V | FL | 75% | 50% | FL | 75% | 50% | | | | | |
| 1 | 1765 | 143J | 3 | 300 | 320 | 1.4 | 1.1 | 3.1 | 12.9 | 10.3 | 85.5 | 84.5 | 81.3 | 78 | 70 | 57 | B | M | 1.4 | 0.09 | 53 |
| | 3540 | 143J | 2.2 | 350 | 410 | 2.1 | 1.7 | 4.6 | 20 | 16 | 84.5 | 83.2 | 79.8 | 78 | 69 | 57 | B | M | 1.4 | 0.07 | 56 |
| 1.5 | 1750 | 145J | 4.5 | 300 | 400 | 2 | 1.6 | 4.4 | 16.6 | 13.3 | 87 | 86.8 | 85 | 79 | 72 | 59 | B | K | 1.4 | 0.1 | 57 |
| | 3525 | 145J | 3 | 360 | 400 | 2.7 | 2.2 | 6.0 | 25.4 | 20.3 | 86 | 85.7 | 83.3 | 82 | 75 | 62 | B | L | 1.4 | 0.08 | 57 |
| 2 | 1745 | 145J | 6 | 260 | 340 | 2.6 | 2.1 | 5.8 | 19.2 | 15.4 | 86.5 | 87.1 | 85.8 | 83 | 77 | 64 | B | J | 1.4 | 0.13 | 59 |
| | 3500 | 182J | 4.5 | 310 | 320 | 4 | 3.2 | 8.8 | 32 | 25.6 | 86.5 | 86.4 | 84.4 | 82 | 76 | 65 | B | K | 1.4 | 0.12 | 76 |
| 3 | 1775 | 182J | 8.9 | 320 | 400 | 4.2 | 3.4 | 9.3 | 38 | 30.4 | 89.5 | 88.5 | 85.8 | 75 | 67 | 54 | A | M | 1.4 | 0.27 | 102 |
| | 3535 | 184J | 7.4 | 450 | 530 | 6.2 | 5.0 | 13.7 | 73 | 58.4 | 89 | 88.6 | 86.7 | 85 | 80 | 68 | A | N | 1.4 | 0.2 | 102 |
| 5 | 1770 | 184J | 14.8 | 300 | 380 | 6.7 | 5.4 | 14.8 | 61 | 48.8 | 89.5 | 89.2 | 87.6 | 78 | 71 | 58 | A | L | 1.3 | 0.34 | 108 |
| | 3525 | 213J | 11.2 | 290 | 315 | 8.5 | 6.8 | 18.8 | 76 | 60.8 | 90 | 90 | 88.7 | 92 | 89 | 81 | A | K | 1.3 | 0.45 | 159 |
| 7.5 | 1765 | 213J | 22.3 | 240 | 290 | 9.3 | 7.4 | 20.6 | 71 | 56.8 | 91.7 | 91.6 | 90.5 | 82 | 78 | 67 | A | J | 1.3 | 0.87 | 167 |
| | 3535 | 215J | 14.8 | 300 | 335 | 11.4 | 9.1 | 25.2 | 93 | 74.4 | 90.2 | 90.4 | 89.3 | 91 | 88 | 80 | A | J | 1.3 | 0.5 | 173 |
| 10 | 1770 | 215J | 29.6 | 230 | 280 | 12.5 | 10.0 | 27.6 | 87 | 69.6 | 91.7 | 91.7 | 90.4 | 82 | 77 | 66 | A | H | 1.3 | 0.99 | 185 |
| | 3540 | 254J | 22.3 | 240 | 250 | 17.6 | 14.1 | 38.9 | 112 | 90 | 91.7 | 91.8 | 90.5 | 87 | 85 | 77 | B | G | 1.3 | 1.15 | 258 |
| 15 | 1775 | 254J | 44.3 | 380 | 440 | 17.3 | 13.8 | 38.3 | 168 | 134.4 | 92.4 | 92 | 90.7 | 88 | 84 | 76 | A | K | 1.3 | 2.89 | 301 |
| | 3540 | 256J | 29.7 | 230 | 260 | 22.9 | 18.3 | 50.6 | 138 | 110 | 92 | 92.4 | 91.7 | 89 | 88 | 82 | B | F | 1.3 | 1.47 | 306 |
| 20 | 1775 | 256J | 59.1 | 380 | 450 | 22.9 | 18.3 | 50.6 | 230 | 184 | 93 | 92.7 | 91.4 | 88 | 84 | 76 | A | L | 1.2 | 3.57 | 390 |
| | 3555 | 284J | 36.9 | 260 | 300 | 29.5 | 23.6 | 65.2 | 205 | 164 | 92.4 | 92.4 | 91.3 | 86 | 82 | 74 | A | H | 1.2 | 1.72 | 348 |
| 25 | 1780 | 284J | 73.7 | 380 | 420 | 30.5 | 24.4 | 67.5 | 300 | 240 | 93.6 | 93.1 | 91.6 | 82 | 76 | 66 | A | L | 1.2 | 3.59 | 397 |
| | 3540 | 286J | 44.5 | 250 | 300 | 35.2 | 28.2 | 77.8 | 215 | 172 | 91.7 | 92 | 91.2 | 87 | 85 | 80 | A | G | 1.2 | 1.92 | 390 |
| 30 | 1780 | 286J | 88.4 | 370 | 390 | 37.5 | 30.0 | 82.9 | 350 | 280 | 93.6 | 93 | 91.3 | 80 | 73 | 61 | A | L | 1.2 | 3.84 | 441 |
| | 3552 | 324J | 59 | 145 | 200 | 44 | 35 | 97.3 | 290 | 232 | 93 | 93.6 | 93.3 | 92 | 91 | 88 | B | G | 1.2 | 4 | 608 |
| 40 | 1780 | 324J | 118 | 240 | 270 | 45 | 36 | 99.5 | 290 | 232 | 94.1 | 94.7 | 94.3 | 88 | 86 | 78 | B | G | 1.3 | 9.3 | 690 |
| | 3552 | 326J | 74 | 145 | 200 | 55 | 44 | 121.6 | 362 | 290 | 93 | 93.7 | 93.5 | 92 | 92 | 89 | B | G | 1.2 | 4.7 | 655 |
| 50 | 1781 | 326J | 148 | 250 | 270 | 56 | 45 | 123.8 | 362 | 290 | 94.5 | 95.1 | 94.9 | 88 | 85 | 78 | B | G | 1.3 | 11.6 | 769 |
| | 3562 | 364J | 88.5 | 125 | 200 | 65 | 52 | 143.8 | 435 | 348 | 93.6 | 94.1 | 93.8 | 92 | 91 | 87 | B | G | 1.2 | 6.5 | 860 |
| 60 | 1786 | 364J | 177 | 140 | 200 | 67 | 54 | 148.2 | 435 | 348 | 95 | 95.6 | 95.3 | 88 | 87 | 80 | B | G | 1.2 | 15.5 | 926 |

JM/JP Pump Progressive TEFC Replacement ODP Motors – 1-30 HP

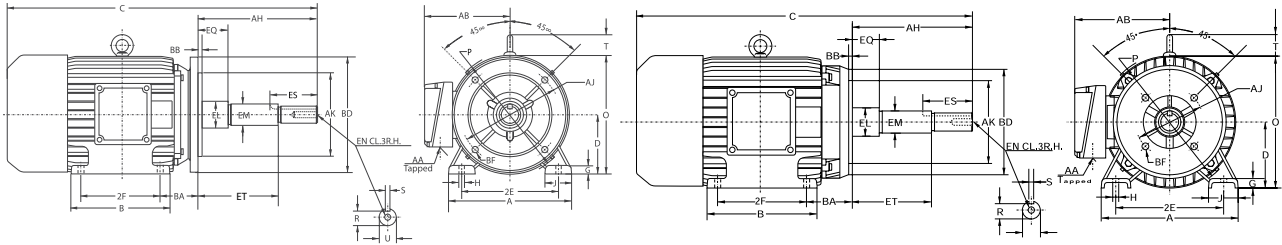
Performance Data

| HP | RPM | Frame | Torque | | | FLA | | LRA | | Efficiency | | | Power Factor | | | NEMA Design | Code | SF | WK ² lb ft ² | lbs |
|-----|------|-------|-----------|-------|-------|------|------|-------|-------|------------|------|------|--------------|-----|-----|-------------|------|----|------------------------------------|-----|
| | | | FLT lb-ft | LRT % | BDT % | 230V | 460V | 230V | 460V | FL | 75% | 50% | FL | 75% | 50% | | | | | |
| 1.5 | 1745 | 143J | 4.5 | 200 | 210 | 3.8 | 1.9 | 25 | 12.5 | 84 | 83 | 79.8 | 86 | 78 | 65 | B | H | 1 | 0.1 | 57 |
| | 3495 | 143J | 3.0 | 270 | 310 | 5.4 | 2.7 | 40.6 | 20.3 | 84 | 83.2 | 79.8 | 84 | 75 | 63 | B | K | 1 | 0.08 | 57 |
| 2 | 1745 | 145J | 6.0 | 220 | 300 | 5 | 2.5 | 33 | 16.5 | 84 | 84.3 | 82.8 | 88 | 81 | 69 | B | H | 1 | 0.13 | 59 |
| | 3470 | 145J | 4.6 | 240 | 270 | 7.4 | 3.7 | 51 | 25.5 | 85.5 | 85.7 | 83.3 | 89 | 82 | 70 | B | H | 1 | 0.12 | 76 |
| 5 | 1750 | 182J | 15.0 | 190 | 240 | 12.8 | 6.4 | 76.8 | 38.4 | 87.5 | 86.5 | 83.8 | 84 | 76 | 63 | B | G | 1 | 0.34 | 108 |
| 7.5 | 3490 | 184J | 11.3 | 300 | 350 | 17.8 | 8.9 | 146 | 73 | 88.5 | 88.6 | 86.7 | 89 | 84 | 72 | B | J | 1 | 0.45 | 159 |
| 10 | 3490 | 213J | 15.0 | 220 | 240 | 22.4 | 11.2 | 152.4 | 76.2 | 89.5 | 90 | 88.7 | 93 | 90 | 82 | B | G | 1 | 0.5 | 173 |
| | 1750 | 213J | 30.0 | 170 | 190 | 23.8 | 11.9 | 142.8 | 71.4 | 89.5 | 89.4 | 88.3 | 88 | 84 | 73 | B | G | 1 | 0.99 | 185 |
| 15 | 3500 | 215J | 22.5 | 200 | 220 | 32.8 | 16.4 | 187 | 93.5 | 90.2 | 90.4 | 89.3 | 95 | 92 | 84 | B | E | 1 | 1.15 | 258 |
| | 3500 | 254J | 30.0 | 180 | 190 | 47.2 | 23.6 | 221.8 | 110.9 | 90.2 | 90.3 | 89 | 88 | 86 | 78 | B | D | 1 | 1.47 | 306 |
| 20 | 1760 | 254J | 59.6 | 280 | 330 | 44.8 | 22.4 | 336 | 168 | 91 | 90.6 | 89.3 | 92 | 88 | 80 | B | H | 1 | 3.57 | 390 |
| | 3500 | 256J | 37.5 | 180 | 210 | 57.2 | 28.6 | 274.6 | 137.3 | 91 | 91.7 | 91 | 90 | 89 | 83 | B | D | 1 | 1.72 | 348 |
| 25 | 1755 | 256J | 74.7 | 300 | 360 | 55.6 | 27.8 | 461.4 | 230.7 | 92.4 | 92.7 | 92.4 | 91 | 77 | 69 | B | J | 1 | 3.59 | 397 |
| | 3505 | 284J | 44.9 | 210 | 250 | 68.8 | 34.4 | 598.6 | 299.3 | 91.7 | 91.7 | 90.6 | 89 | 85 | 77 | B | J | 1 | 1.92 | 390 |

Premium JM/JP Pump 20J Series – 143JM/JP-286JM/JP
Mounting Dimensions

143JM/JP - 184JM/JP

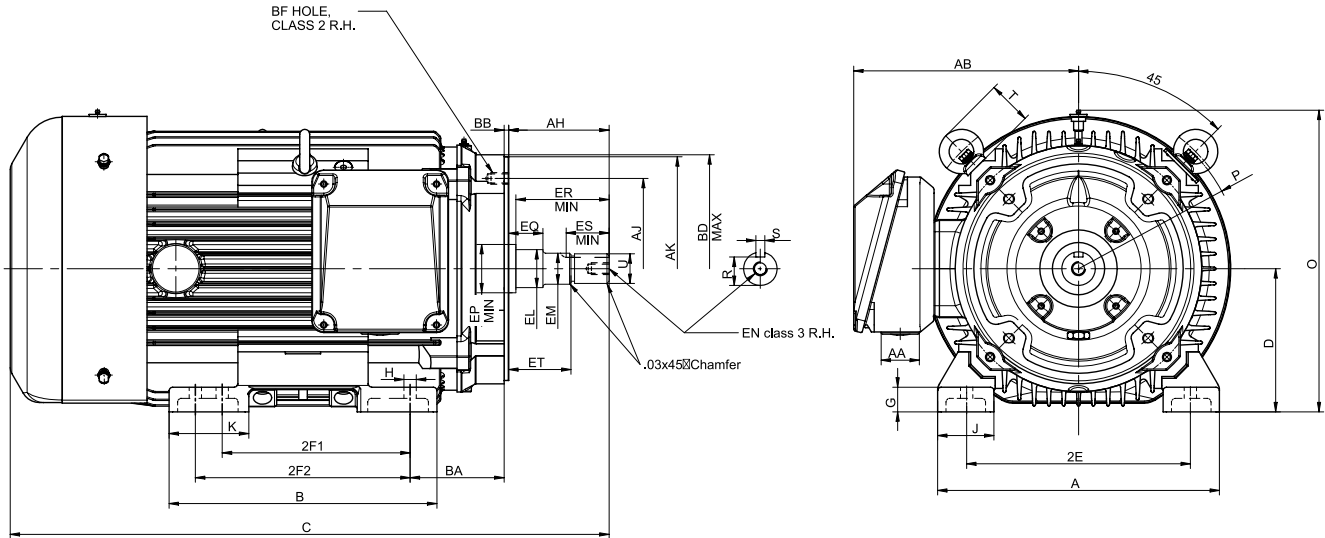
213JM/JP - 286JM/JP



| Frame | U | AH | AJ | AK | BB | BD Max | BF | | | EL | EM | EN | | | Keyseat | | | ET | |
|--------|--------|----------------|-------|------------------|----------------|--------|----|----------|----------------------------|--------|--------|----------|---------------------|----------------------------|----------------|----------------|--------|----------------|----------------|
| | | | | | | | # | Tap Size | Bolt Penetration Allowance | | | Tap Size | Tap Drill Depth Max | Bolt Penetration Allowance | EQ | R | ES Min | | S |
| 143 JP | 0.8745 | 7.343 7.281 | 5.875 | 4.500 4.497 | 0.156 0.125 | 6.50 | 4 | 3/8-16 | 0.56 | 1.156 | 1.0000 | 3/8-16 | 1.12 | 0.85 | 1.578 1.548 | 0.771 0.756 | 1.65 | 0.190 0.188 | 5.952 5.922 |
| 145 JP | | | | | | | | | | 1.248 | | | | | | | | | |
| 182 JP | | | | | | | | | | 1.250 | | | | | | | | | |
| 184 JP | 0.8740 | 4.281 4.219 | 5.875 | 4.500 4.497 | 0.156 0.125 | 6.50 | 4 | 3/8-16 | 0.56 | 1.156 | 0.9995 | 3/8-16 | 1.12 | 0.85 | 0.640 0.610 | 0.771 0.756 | 1.65 | 0.190 0.188 | 2.890 2.860 |
| 145 JM | | | | | | | | | | 1.154 | | | | | | | | | |
| 182 JM | | | | | | | | | | 1.250 | | | | | | | | | |
| 184 JM | 1.2495 | 8.156 8.094 | 7.250 | 8.500 8.497 | 0.312 0.250 | 9.0 | 4 | 1/2-13 | 0.75 | 1.750 | 1.3750 | 1/2-13 | 1.50 | 1 | 2.390 2.360 | 1.112 1.097 | 1.65 | 0.252 0.250 | 5.890 5.860 |
| 213 JP | | | | | | | | | | 1.748 | | | | | | | | | |
| 215 JP | | | | | | | | | | 1.3745 | | | | | | | | | |
| 254 JP | 1.2490 | 8.156 8.094 | 7.250 | 12.5001 2.495 | 0.312 0.250 | 14.0 | 4 | 5/8-11 | 0.94 | 1.750 | 1.3750 | 1/2-13 | 1.50 | 1 | 2.390 2.360 | 1.112 1.097 | 2.53 | 0.252 0.250 | 5.895 5.855 |
| 256 JP | | | | | | | | | | 1.748 | | | | | | | | | |
| 284 JP | | | | | | | | | | 1.3745 | | | | | | | | | |
| 286 JP | 0.8745 | 4.281 4.219 | 7.250 | 8.500 8.497 | 0.312 0.250 | 9.0 | 4 | 1/2-13 | 0.75 | 1.250 | 1.0000 | 3/8-16 | 1.1222 | 0.85 | 0.640 0.610 | 0.771 0.756 | 1.65 | 0.190 0.188 | 2.890 2.860 |
| 215 JM | | | | | | | | | | 1.248 | | | | | | | | | |
| 254 JM | | | | | | | | | | 1.250 | | | | | | | | | |
| 256 JM | 1.2495 | 5.281 5.219 | 7.250 | 8.500 8.497 | 0.312 0.250 | 10.0 | 4 | 1/2-13 | 0.75 | 1.750 | 1.3750 | 1/2-13 | 1.50 | 1 | 2.390 2.360 | 1.112 1.097 | 2.53 | 0.252 0.250 | 3.015 2.985 |
| 284 JM | | | | | | | | | | 1.748 | | | | | | | | | |
| 286 JM | | | | | | | | | | 1.3745 | | | | | | | | | |

| Frame | D | 2E | 2F | G | H | BA | A | AA | AB | B | C | J | O | P | T |
|--------|------|-------|-------|------|------|------|-------|-------|-------|-------|-------|------|-------|-------|------|
| 143 JP | 3.50 | 5.50 | 4.00 | 0.39 | 0.34 | 2.36 | 6.62 | 3/4 | 6.50 | 5.83 | 19.41 | 1.66 | 7.48 | 8.27 | - |
| 145 JP | 3.50 | 5.50 | 5.00 | 0.39 | 0.34 | 2.36 | 6.62 | 3/4 | 6.50 | 7.00 | 20.36 | 1.66 | 7.48 | 8.27 | - |
| 182 JP | 4.50 | 7.50 | 4.50 | 0.60 | 0.41 | 2.78 | 9.00 | 1 | 7.90 | 6.74 | 22.42 | 2.13 | 9.09 | 9.53 | 1.77 |
| 184 JP | 4.50 | 7.50 | 5.50 | 0.60 | 0.41 | 2.78 | 9.00 | 1 | 7.90 | 8.31 | 22.43 | 2.13 | 9.09 | 9.53 | 1.77 |
| 143 JM | 3.50 | 5.50 | 4.00 | 0.39 | 0.34 | 2.36 | 6.62 | 3/4 | 6.50 | 5.83 | 16.35 | 1.66 | 7.48 | 8.27 | - |
| 145 JM | 3.50 | 5.50 | 5.00 | 0.39 | 0.34 | 2.36 | 6.62 | 3/4 | 6.50 | 7.00 | 17.30 | 1.66 | 7.48 | 8.27 | - |
| 182 JM | 4.50 | 7.70 | 4.50 | 0.60 | 0.41 | 2.78 | 9.00 | 1 | 7.90 | 6.74 | 19.36 | 2.13 | 0.09 | 9.53 | 1.77 |
| 184 JM | 4.50 | 7.70 | 5.50 | 0.60 | 0.41 | 2.78 | 9.00 | 1 | 7.90 | 8.31 | 19.36 | 2.13 | 0.09 | 9.53 | 1.77 |
| 213 JP | 5.25 | 8.50 | 5.50 | 0.72 | 0.41 | 3.80 | 10.24 | 1 | 8.45 | 8.10 | 27.28 | 2.20 | 10.55 | 10.94 | 1.77 |
| 215 JP | 5.25 | 8.50 | 5.50 | 0.72 | 0.41 | 3.80 | 10.24 | 1 | 8.45 | 9.60 | 27.91 | 2.20 | 10.55 | 10.94 | 1.77 |
| 254 JP | 6.25 | 10.00 | 8.25 | 0.58 | 0.55 | 4.50 | 12.28 | 1 1/4 | 10.08 | 9.92 | 30.24 | 2.36 | 13.18 | 14.17 | 2.08 |
| 256 JP | 6.25 | 10.00 | 10.00 | 0.58 | 0.55 | 4.50 | 12.28 | 1 1/4 | 10.08 | 11.65 | 32.01 | 2.36 | 13.18 | 14.17 | 2.08 |
| 284 JP | 7.00 | 11.00 | 9.50 | 0.89 | 0.55 | 4.95 | 13.78 | 1 1/2 | 10.34 | 11.61 | 34.94 | 2.75 | 14.01 | 14.17 | 2.08 |
| 286 JP | 7.00 | 11.00 | 11.00 | 0.89 | 0.55 | 4.95 | 13.78 | 1 1/2 | 10.34 | 13.11 | 34.94 | 2.75 | 14.01 | 14.17 | 2.08 |
| 213 JM | 5.25 | 8.50 | 5.50 | 0.72 | 0.41 | 3.80 | 10.24 | 1 | 8.45 | 8.10 | 23.88 | 2.20 | 10.55 | 10.94 | 1.77 |
| 215 JM | 5.25 | 8.50 | 7.00 | 0.72 | 0.41 | 3.80 | 10.24 | 1 | 8.45 | 9.60 | 24.11 | 2.20 | 10.55 | 10.94 | 1.77 |
| 254 JM | 6.25 | 10.00 | 8.25 | 0.58 | 0.55 | 4.50 | 12.28 | 1 1/4 | 10.08 | 9.92 | 27.36 | 2.36 | 13.18 | 14.17 | 2.08 |
| 256 JM | 6.25 | 10.00 | 10.00 | 0.58 | 0.55 | 4.50 | 12.28 | 1 1/4 | 10.08 | 11.65 | 29.13 | 2.36 | 13.18 | 14.17 | 2.08 |
| 284 JM | 7.00 | 11.00 | 9.50 | 0.89 | 0.55 | 4.95 | 13.78 | 1 1/2 | 10.34 | 11.61 | 32.06 | 2.75 | 14.01 | 14.17 | 2.08 |
| 286 JM | 7.00 | 11.00 | 11.00 | 0.89 | 0.55 | 4.95 | 13.78 | 1 1/2 | 10.34 | 13.11 | 32.06 | 2.75 | 14.01 | 14.17 | 2.08 |

Premium JM/JP Pump 20J Series – 324JM/JP-364JM/JP
Mounting Dimensions



| Frame | U | AH | AJ | AK | BB | BD Max | BF | | | EL | EM |
|--------|---------------|-------------|----|---------------|-------------|--------|----|----------|----------------------------|-------------|---------------|
| | | | | | | | # | Tap Size | Bolt Penetration Allowance | | |
| 324 JM | 1.2495-1.2490 | 5.281-5.219 | 11 | 12.500-12.495 | 0.312-0.250 | 14 | 4 | 5/8-11 | 0.94 | 1.750-1.748 | 1.3750-1.3745 |
| 326 JM | 1.2495-1.2490 | 5.281-5.219 | 11 | 12.500-12.495 | 0.312-0.250 | 14 | 4 | 5/8-11 | 0.94 | 1.750-1.748 | 1.3750-1.3745 |
| 364 JM | 1.6245-1.6240 | 5.281-5.219 | 11 | 12.500-12.495 | 0.312-0.250 | 14 | 4 | 5/8-11 | 0.94 | 1.750-1.748 | 1.3750-1.3745 |
| 365 JM | 1.6245-1.6240 | 5.281-5.219 | 11 | 12.500-12.495 | 0.312-0.250 | 14 | 4 | 5/8-11 | 0.94 | 1.750-1.748 | 1.3750-1.3745 |
| 324 JP | 1.2495-1.2490 | 8.156-8.094 | 11 | 12.500-12.495 | 0.312-0.250 | 14 | 4 | 5/8-11 | 0.94 | 1.750-1.748 | 1.3750-1.3745 |
| 326 JP | 1.2495-1.2490 | 8.156-8.094 | 11 | 12.500-12.495 | 0.312-0.250 | 14 | 4 | 5/8-11 | 0.94 | 1.750-1.748 | 1.3750-1.3745 |
| 364 JP | 1.6245-1.6240 | 8.156-8.094 | 11 | 12.500-12.495 | 0.312-0.250 | 14 | 4 | 5/8-11 | 0.94 | 2.125-2.123 | 1.7500-1.7495 |
| 365 JP | 1.6245-1.6240 | 8.156-8.094 | 11 | 12.500-12.495 | 0.312-0.250 | 14 | 4 | 5/8-11 | 0.94 | 2.125-2.123 | 1.7500-1.7495 |

| Frame | EN | | | EP Min | EQ | ER Min | Keyseat | | | ET |
|--------|----------|---------------------|----------------------------|--------|-------------|--------|-------------|--------|-------------|-------------|
| | Tap Size | Tap Drill Depth Max | Bolt Penetration Allowance | | | | R | ES Min | S | |
| 324 JM | 1/2-13 | 1.5 | 1 | 2.125 | 0.645-0.605 | 5.25 | 1.112-1.097 | 2.53 | 0.252-0.250 | 3.020-2.980 |
| 326 JM | 1/2-13 | 1.5 | 1 | 2.125 | 0.645-0.605 | 5.25 | 1.112-1.097 | 2.53 | 0.252-0.250 | 3.020-2.980 |
| 364 JM | 1/2-13 | 1.5 | 1 | 2.756 | 0.645-0.605 | 5.25 | 1.112-1.097 | 2.53 | 0.252-0.250 | 3.020-2.980 |
| 365 JM | 1/2-13 | 1.5 | 1 | 2.756 | 0.645-0.605 | 5.25 | 1.112-1.097 | 2.53 | 0.252-0.250 | 3.020-2.980 |
| 324 JP | 1/2-13 | 1.5 | 1 | 2.125 | 2.395-2.355 | 8.125 | 1.112-1.097 | 2.53 | 0.252-0.250 | 5.895-5.855 |
| 326 JP | 1/2-13 | 1.5 | 1 | 2.125 | 2.395-2.355 | 8.125 | 1.112-1.097 | 2.53 | 0.252-0.250 | 5.895-5.855 |
| 364 JP | 1/2-13 | 1.5 | 1 | 2.5 | 2.395-2.355 | 8.125 | 1.416-1.401 | 2.53 | 0.377-0.375 | 5.895-5.855 |
| 365 JP | 1/2-13 | 1.5 | 1 | 2.5 | 2.395-2.355 | 8.125 | 1.416-1.401 | 2.53 | 0.377-0.375 | 5.895-5.855 |

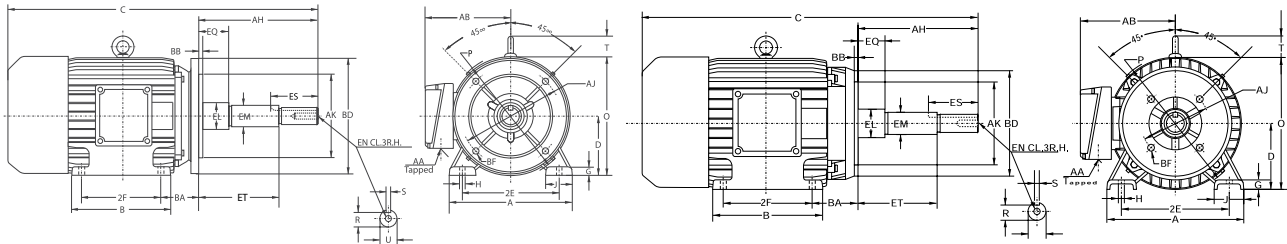
| Frame | D | 2E | 2F | G | H | BA | A | AA | AB | B | C | J | O | P | T |
|--------|--------|------|-------------|------|------|------|------|----|------|----|-------|------|------|------|-----|
| 324 JM | 8.0000 | 12.5 | 10.5/- | 1.38 | 0.66 | 5.25 | 15.8 | 2 | 12.6 | 15 | 33.38 | 3.15 | 16.9 | 17.9 | 2.5 |
| 326 JM | 8.0000 | 12.5 | 10.50/12.0 | 1.38 | 0.66 | 5.25 | 15.8 | 2 | 12.6 | 15 | 33.38 | 3.15 | 16.9 | 17.9 | 2.5 |
| 364 JM | 9.0000 | 14 | 11.25/- | 1.49 | 0.66 | 5.88 | 17.5 | 3 | 13.6 | 15 | 35.42 | 3.35 | 18.7 | 19.9 | 2.5 |
| 365 JM | 9.0000 | 14 | 11.25/12.25 | 1.49 | 0.66 | 5.88 | 17.5 | 3 | 13.6 | 15 | 35.42 | 3.35 | 18.7 | 19.9 | 2.5 |
| 324 JP | 8.0000 | 12.5 | 10.5/- | 1.38 | 0.66 | 5.25 | 15.8 | 2 | 12.6 | 15 | 36.26 | 3.15 | 16.9 | 17.9 | 2.5 |
| 326 JP | 8.0000 | 12.5 | 10.5/12.0 | 1.38 | 0.66 | 5.25 | 15.8 | 2 | 12.6 | 15 | 36.26 | 3.15 | 16.9 | 17.9 | 2.5 |
| 364 JP | 9.0000 | 14 | 11.25/- | 1.49 | 0.66 | 5.88 | 17.5 | 3 | 13.6 | 15 | 38.3 | 3.35 | 18.7 | 19.9 | 2.5 |
| 365 JP | 9.0000 | 14 | 11.25/12.25 | 1.49 | 0.66 | 5.88 | 17.5 | 3 | 13.6 | 15 | 38.3 | 3.35 | 18.7 | 19.9 | 2.5 |

EPACT JM/JP Pump 40J Series – 1-30 HP
Performance Data and Mounting Dimensions

| HP | RPM | Frame | CC# | Torque | | | FLA | | | LRA | | Efficiency | | | Power Factor | | | NEMA Design | Code | SF | WK ² lb ft ² | lbs |
|-----|------|-------|--------|-----------|-------|-------|------|------|------|------|-------|------------|------|------|--------------|-----|-----|-------------|------|------|------------------------------------|-----|
| | | | | FLT lb-ft | LRT % | BDT % | 460V | 575V | 208V | 460V | 575V | FL | 75% | 50% | FL | 75% | 50% | | | | | |
| 1 | 1755 | 143J | CC025A | 3 | 295 | 310 | 1.5 | 1.2 | 3.1 | 12 | 9.6 | 82.5 | 81 | 76.8 | 75 | 66 | 53 | B | L | 1.4 | 0.08 | 51 |
| 1.5 | 3500 | 143J | CC025A | 2.2 | 275 | 320 | 2 | 1.6 | 4.2 | 16.4 | 13.1 | 82.5 | 81.4 | 77.5 | 87 | 81 | 72 | B | K | 1.3 | 0.06 | 51 |
| | 1745 | 145J | CC025A | 4.5 | 265 | 370 | 2.1 | 1.7 | 4.6 | 15.9 | 12.7 | 84 | 83.2 | 80 | 79 | 71 | 59 | B | K | 1.4 | 0.09 | 54 |
| 2 | 3505 | 145J | CC025A | 3 | 280 | 325 | 2.6 | 2 | 5.3 | 22.2 | 17.8 | 84 | 83.8 | 81.4 | 87 | 82 | 72 | B | K | 1.4 | 0.06 | 57 |
| | 1735 | 145J | CC025A | 6.1 | 240 | 330 | 2.7 | 2.2 | 5.8 | 18.4 | 14.7 | 84 | 84 | 82 | 82 | 76 | 65 | B | J | 1.4 | 0.11 | 56 |
| 3 | 3510 | 182J | CC025A | 4.5 | 220 | 280 | 3.8 | 3.1 | 8.9 | 27.6 | 22.1 | 85.5 | 84.8 | 82.1 | 86 | 80 | 71 | B | J | 1.4 | 0.12 | 75 |
| | 1745 | 182J | CC025A | 9 | 260 | 380 | 3.9 | 3.1 | 8.8 | 30.8 | 24.6 | 87.5 | 87.3 | 85.1 | 82 | 76 | 64 | B | K | 1.3 | 0.24 | 86 |
| 5 | 3500 | 184J | CC025A | 7.5 | 225 | 280 | 6.2 | 4.9 | 13.4 | 44 | 35.2 | 87.5 | 87.8 | 86.3 | 87 | 85 | 75 | B | H | 1.4 | 0.2 | 101 |
| | 1735 | 184J | CC025A | 15.1 | 250 | 320 | 6.2 | 5 | 13.8 | 45 | 36 | 87.5 | 88.7 | 86.9 | 86 | 81 | 70 | B | J | 1.3 | 0.34 | 103 |
| 7.5 | 3500 | 213J | CC025A | 11.3 | 220 | 350 | 8.6 | 6.9 | 18.6 | 56 | 44.8 | 88.5 | 89 | 88.2 | 92 | 89 | 83 | B | G | 1.3 | 0.36 | 138 |
| 25 | 3525 | 284J | CC025A | 37.3 | 260 | 230 | 29.5 | 23.7 | 65.2 | 178 | 142.4 | 91 | 91.8 | 91.5 | 87 | 86 | 79 | B | G | 1.15 | 1.63 | 335 |
| | 1760 | 284J | CC025A | 74.6 | 230 | 230 | 28 | 22.3 | 61.7 | 173 | 138.4 | 92.4 | 93.2 | 93.2 | 91 | 89 | 84 | B | F | 1.15 | 3.19 | 357 |
| 30 | 3535 | 286J | CC025A | 44.6 | 245 | 290 | 35.1 | 28.1 | 76.1 | 200 | 160 | 91 | 91.3 | 90.5 | 88 | 86 | 82 | B | F | 1.15 | 1.92 | 388 |
| | 1755 | 286J | CC025A | 89.8 | 235 | 230 | 33.2 | 26.4 | 75.2 | 212 | 169.6 | 92.4 | 93.3 | 93.4 | 92 | 90 | 85 | B | G | 1.15 | 3.59 | 395 |

143JM/JP - 184JM/JP

213JM/JP - 286JM/JP



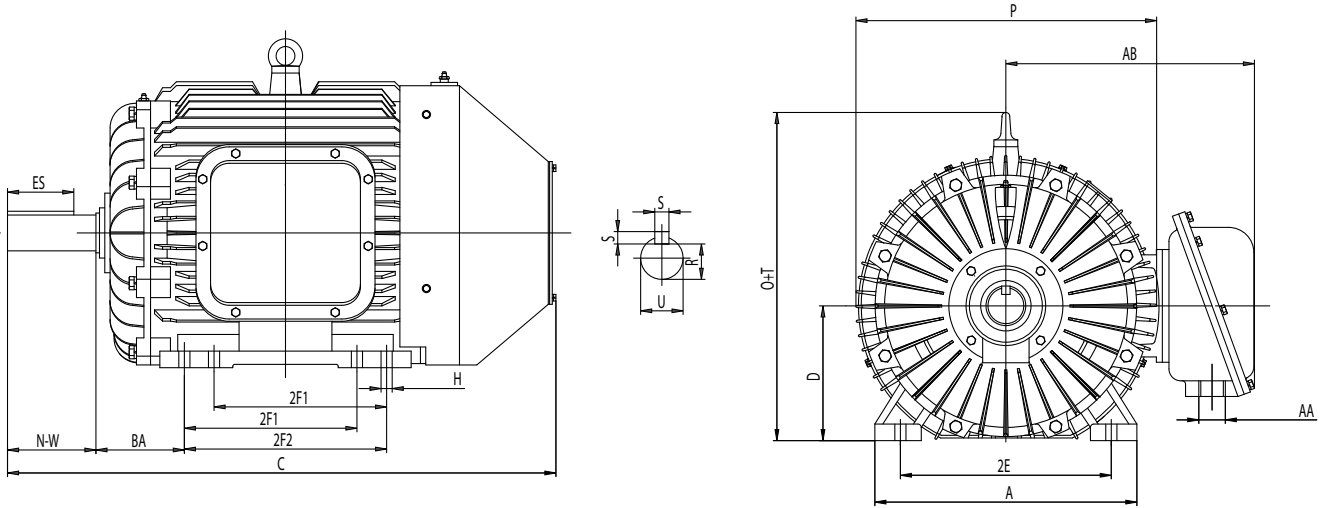
| Frame | U | AH | AJ | AK | BB | BD Max | BF | | | EL | EM | EN | | | Keyseat | | | ET | | |
|--------|------------------|----------------|-------|------------------|----------------|--------|----|----------|----------------------------|----------------|------------------|----------|---------------------|----------------------------|----------------|----------------|--------|----------------|----------------|--------|
| | | | | | | | # | Tap Size | Bolt Penetration Allowance | | | Tap Size | Tap Drill Depth Max | Bolt Penetration Allowance | EQ | R | ES Min | | S | |
| 143 JP | 0.8745 0.8740 | 7.343 7.281 | 5.875 | 4.500 | 0.156 | 6.50 | 4 | 3/8-16 | 0.56 | 1.156 | 1.0000 | 3/8-16 | 1.12 | 0.85 | 1.578 1.548 | 0.771 0.756 | 1.65 | 0.190 0.188 | 5.952 5.922 | |
| 145 JP | | | | 4.497 | 0.125 | | | | | 1.154 | | | | | | | | | | 0.9995 |
| 182 JP | | | | 4.497 | 0.125 | | | | | 1.250 | | | | | | | | | | 1.248 |
| 184 JP | | | | 4.497 | 0.125 | | | | | 1.248 | | | | | | | | | | 1.248 |
| 213 JP | 1.2495 1.2490 | 8.156 8.094 | 7.250 | 8.500 | 0.312 | 9.0 | 4 | 1/2-13 | 0.75 | 1.750 | 1.3750 | 3/8-16 | 1.12 | 0.85 | 2.390 2.360 | 1.112 1.097 | 1.65 | 0.252 0.250 | 5.890 5.860 | |
| 284 JP | | | | 8.497 | 0.250 | | | | | 1.748 | | | | | | | | | | 1.3745 |
| 286 JP | | | | 2.495 | 0.250 | | | | | 1.748 | | | | | | | | | | 1.3745 |
| 143 JM | 0.8745 0.8740 | 4.281 4.219 | 5.875 | 4.500 | 0.156 | 6.50 | 4 | 3/8-16 | 0.56 | 1.156 | 1.0000 | 3/8-16 | 1.12 | 0.85 | 0.640 0.610 | 0.771 0.756 | 1.65 | 0.190 0.188 | 2.890 2.860 | |
| 145 JM | | | | 4.497 | 0.125 | | | | | 1.154 | | | | | | | | | | 0.9995 |
| 182 JM | | | | 4.497 | 0.125 | | | | | 1.250 | | | | | | | | | | 1.248 |
| 284 JM | 1.2495 1.2490 | 5.281 5.219 | 11.00 | 12.5001 2.495 | 0.312 0.250 | 14.0 | 4 | 5/8-11 | 0.94 | 1.750 1.748 | 1.3750 1.3745 | 1/2-13 | 1.50 | 1 | 0.645 0.605 | 1.112 1.097 | 2.53 | 0.252 0.250 | 3.020 2.980 | |

| Frame | D | 2E | 2F | G | H | BA | A | AA | AB | B | C | J | O | P | T |
|--------|------|-------|-------|------|------|------|-------|-------|-------|-------|-------|------|-------|-------|------|
| 143 JP | 3.50 | 5.50 | 4.00 | 0.39 | 0.34 | 2.36 | 6.62 | 3/4 | 6.50 | 5.83 | 18.24 | 1.66 | 7.48 | 8.27 | - |
| 145 JP | 3.50 | 5.50 | 5.00 | 0.39 | 0.34 | 2.36 | 6.62 | 3/4 | 6.50 | 7.00 | 19.41 | 1.66 | 7.48 | 8.27 | - |
| 182 JP | 4.50 | 7.50 | 4.50 | 0.60 | 0.41 | 2.78 | 9.00 | 1 | 7.90 | 6.74 | 19.82 | 2.13 | 9.09 | 9.53 | 1.77 |
| 184 JP | 4.50 | 7.50 | 5.50 | 0.60 | 0.41 | 2.78 | 9.00 | 1 | 7.90 | 8.31 | 21.44 | 2.13 | 9.09 | 9.53 | 1.77 |
| 213 JP | 5.25 | 8.50 | 5.50 | 0.72 | 0.41 | 3.80 | 10.24 | 1 | 8.45 | 8.10 | 23.80 | 2.20 | 10.55 | 10.94 | 1.77 |
| 284 JP | 7.00 | 11.00 | 9.50 | 0.89 | 0.55 | 4.95 | 13.78 | 1 1/2 | 10.34 | 11.61 | 30.88 | 2.75 | 14.01 | 14.17 | 2.08 |
| 286 JP | 7.00 | 11.00 | 11.00 | 0.89 | 0.55 | 4.95 | 13.78 | 1 1/2 | 10.34 | 13.11 | 32.38 | 2.75 | 14.01 | 14.17 | 2.08 |
| 143 JM | 3.50 | 5.50 | 4.00 | 0.39 | 0.34 | 2.36 | 6.62 | 3/4 | 6.50 | 5.83 | 15.18 | 1.66 | 7.48 | 8.27 | - |
| 145 JM | 3.50 | 5.50 | 5.00 | 0.39 | 0.34 | 2.36 | 6.62 | 3/4 | 6.50 | 7.00 | 16.35 | 1.66 | 7.48 | 8.27 | - |
| 182 JM | 4.50 | 7.70 | 4.50 | 0.60 | 0.41 | 2.78 | 9.00 | 1 | 7.90 | 6.74 | 16.76 | 2.13 | 0.09 | 9.53 | 1.77 |
| 284 JM | 7.00 | 11.00 | 9.50 | 0.89 | 0.55 | 4.95 | 13.78 | 1 1/2 | 10.34 | 11.61 | 28.00 | 2.75 | 14.01 | 14.17 | 2.08 |

Design D – 3-100 HP

Performance Data and Mounting Dimensions

| HP | RPM | Frame | Slip % | Torque | | | FLA | | LRA | | Full Load | | Noise Lp dB(A) | SF | lbs |
|-----|------|-------|--------|-----------|-------|-------|-------|-------|-------|--------|-----------|--------------|----------------|------|------|
| | | | | FLT lb-ft | LRT % | BDT % | 460V | 230V | 460V | 230V | EFF | Power Factor | | | |
| 3 | 1094 | 213T | 8.82 | 14.39 | 250 | 239 | 5.0 | 10.0 | 21.1 | 42.2 | 80.3 | 69 | 56 | 1.15 | 179 |
| 5 | 1079 | 215T | 10.1 | 24.33 | 279 | 241 | 8.1 | 16.2 | 35.9 | 71.8 | 80.8 | 71 | 57 | 1.15 | 205 |
| 7.5 | 1095 | 254T | 8.78 | 35.97 | 275 | 250 | 11.8 | 23.6 | 56.7 | 113.4 | 79.1 | 74 | 57 | 1.15 | 342 |
| 10 | 1091 | 256T | 9.11 | 48.14 | 285 | 253 | 15.5 | 31.0 | 76.5 | 153.0 | 81.4 | 74 | 58 | 1.15 | 368 |
| 15 | 1123 | 284T | 6.45 | 70.15 | 298 | 297 | 20.5 | 41.0 | 119.2 | 238.4 | 84.7 | 79 | 58 | 1.15 | 488 |
| 20 | 1113 | 286T | 7.27 | 94.36 | 290 | 254 | 27.4 | 54.8 | 154.5 | 309.0 | 84.6 | 81 | 59 | 1.15 | 518 |
| 25 | 1117 | 324T | 6.91 | 117.49 | 269 | 236 | 32.8 | 65.6 | 179.5 | 359.0 | 86.7 | 81 | 61 | 1.15 | 662 |
| 30 | 1111 | 326T | 7.41 | 141.75 | 271 | 234 | 38.7 | 77.4 | 209.3 | 418.6 | 86.6 | 82 | 62 | 1.15 | 677 |
| 40 | 1114 | 365T | 7.14 | 188.46 | 272 | 229 | 52.4 | 104.8 | 299.5 | 599.0 | 86.0 | 83 | 65 | 1.15 | 887 |
| 50 | 1109 | 404T | 7.56 | 236.64 | 314 | 251 | 60.4 | 120.8 | 371.0 | 742.0 | 87.3 | 88 | 66 | 1.15 | 904 |
| 60 | 1104 | 405T | 8.01 | 285.36 | 343 | 247 | 74.4 | 148.8 | 448.2 | 896.4 | 87.0 | 87 | 69 | 1.15 | 1303 |
| 75 | 1126 | 444T | 6.13 | 349.55 | 353 | 303 | 89.1 | 178.2 | 639.1 | 1278.2 | 89.3 | 87 | 70 | 1.15 | 1729 |
| 100 | 1126 | 445T | 6.18 | 466.32 | 368 | 301 | 120.6 | 241.2 | 860.8 | 1721.6 | 89.5 | 87 | 73 | 1.15 | 1846 |



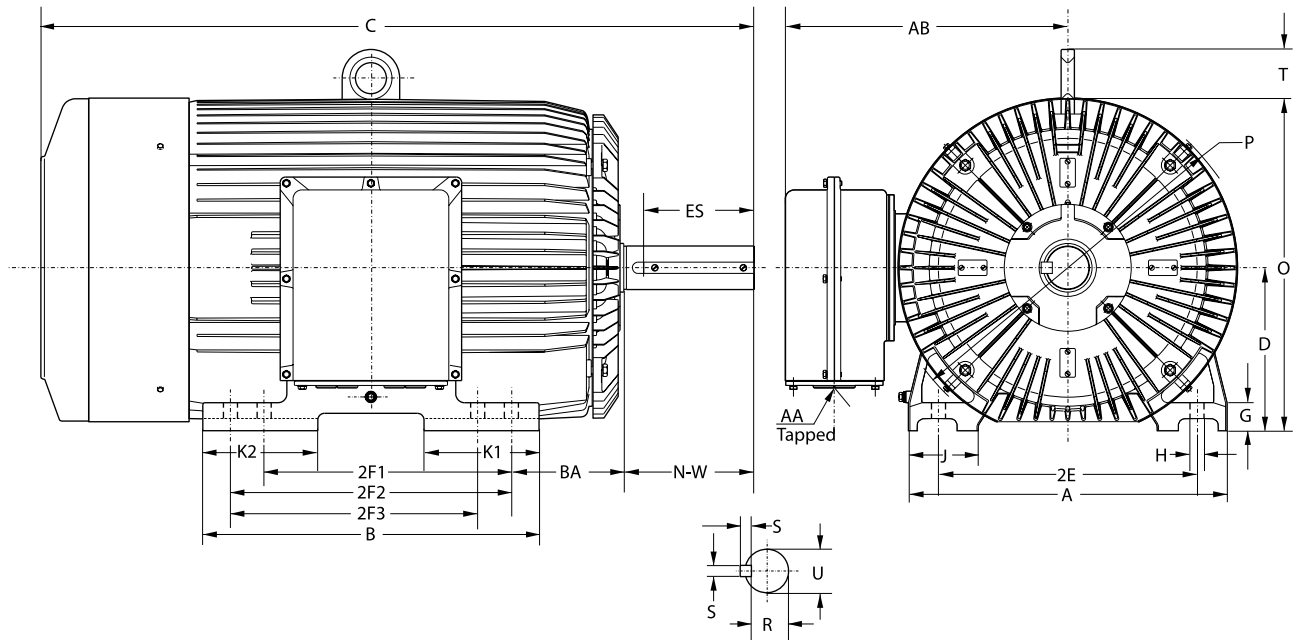
| Frame | A Max | C | D | 2E | 2F1 | 2F2 | H | P | R | S | U | ES Min | AA NPT | AB | BA | N-W | O+T | Bearings | |
|-------|-------|------|------|------|-------|-------|------|------|-------|-------|-------|--------|--------|------|------|------|------|----------|---------|
| | | | | | | | | | | | | | | | | | | DE | ODE |
| 213T | 10.5 | 19.9 | 5.25 | 8.5 | 5.5 | 7 | 0.41 | 11.6 | 1.201 | 0.312 | 1.375 | 2.41 | 1 | 10.8 | 3.5 | 3.38 | 13 | 6308-ZZ | 6308-ZZ |
| 215T | 10.5 | 19.9 | 5.25 | 8.5 | 5.5 | 7 | 0.41 | 11.6 | 1.201 | 0.312 | 1.375 | 2.41 | 1 | 10.8 | 3.5 | 3.38 | 13 | 6308-ZZ | 6308-ZZ |
| 254T | 12.5 | 26.2 | 6.25 | 10 | 8.25 | 10 | 0.53 | 14.1 | 1.416 | 0.375 | 1.625 | 2.91 | 1.25 | 14.2 | 4.25 | 4 | 15.6 | 6309-C3 | 6309-C3 |
| 256T | 12.5 | 26.2 | 6.25 | 10 | 8.25 | 10 | 0.53 | 14.1 | 1.416 | 0.375 | 1.625 | 2.91 | 1.25 | 14.2 | 4.25 | 4 | 15.6 | 6309-C3 | 6309-C3 |
| 284T | 14 | 29.5 | 7 | 11 | 9.5 | 11 | 0.53 | 15.9 | 1.591 | 0.5 | 1.875 | 3.28 | 1.5 | 15 | 4.75 | 4.62 | 17.5 | 6310-C3 | 6310-C3 |
| 286T | 14 | 29.5 | 7 | 11 | 9.5 | 11 | 0.53 | 15.9 | 1.591 | 0.5 | 1.875 | 3.28 | 1.5 | 15 | 4.75 | 4.62 | 17.5 | 6310-C3 | 6310-C3 |
| 324T | 16 | 33.3 | 8 | 12.5 | 10.5 | 12 | 0.66 | 17.5 | 1.854 | 0.5 | 2.125 | 3.91 | 2 | 15.6 | 5.25 | 5.25 | 20.5 | 6312-C3 | 6312-C3 |
| 326T | 16 | 33.3 | 8 | 12.5 | 10.5 | 12 | 0.66 | 17.5 | 1.854 | 0.5 | 2.125 | 3.91 | 2 | 15.6 | 5.25 | 5.25 | 20.5 | 6312-C3 | 6312-C3 |
| 365T | 18 | 35.2 | 9 | 14 | 11.25 | 12.25 | 0.66 | 19.5 | 2.021 | 0.625 | 2.375 | 4.28 | 3 | 17.3 | 5.88 | 5.88 | 22.1 | 6314-C3 | 6314-C3 |
| 404T | 20 | 40 | 10 | 16 | 12.25 | 13.75 | 0.81 | 21.4 | 2.45 | 0.75 | 2.875 | 5.65 | 3 | 18.7 | 6.62 | 7.25 | 24.8 | 6316-C3 | 6314-C3 |
| 405T | 20 | 40 | 10 | 16 | 12.25 | 13.75 | 0.81 | 21.4 | 2.45 | 0.75 | 2.875 | 5.65 | 3 | 18.7 | 6.62 | 7.25 | 24.8 | 6316-C3 | 6314-C3 |
| 444T | 22 | 47.2 | 11 | 18 | 14.5 | 16.5 | 0.81 | 23.9 | 2.88 | 0.875 | 3.375 | 6.91 | 3 | 19.7 | 7.5 | 8.5 | 26.8 | 6318-C3 | 6314-C3 |
| 444TS | 22 | 47.2 | 11 | 18 | 14.5 | 16.5 | 0.81 | 23.9 | 2.88 | 0.875 | 3.375 | 6.91 | 3 | 19.7 | 7.5 | 8.5 | 26.8 | 6318-C3 | 6314-C3 |
| 445T | 22 | 47.2 | 11 | 18 | 14.5 | 16.5 | 0.81 | 23.9 | 2.88 | 0.875 | 3.375 | 6.91 | 3 | 19.7 | 7.5 | 8.5 | 26.8 | 6318-C3 | 6314-C3 |
| 445TS | 22 | 47.2 | 11 | 18 | 14.5 | 16.5 | 0.81 | 23.9 | 2.88 | 0.875 | 3.375 | 6.91 | 3 | 19.7 | 7.5 | 8.5 | 26.8 | 6318-C3 | 6314-C3 |
| 447T | 22 | 55.7 | 11 | 18 | 20 | 25 | 0.81 | 23.9 | 2.88 | 0.875 | 3.375 | 6.91 | 3 | 19.7 | 7.5 | 8.5 | 28 | 6319-C3 | 6319-C3 |
| 447TS | 22 | 55.7 | 11 | 18 | 20 | 25 | 0.81 | 23.9 | 2.88 | 0.875 | 3.375 | 6.91 | 3 | 19.7 | 7.5 | 8.5 | 28 | 6319-C3 | 6319-C3 |
| 449T | 22 | 55.7 | 11 | 18 | 20 | 25 | 0.81 | 23.9 | 2.88 | 0.875 | 3.375 | 6.91 | 3 | 19.7 | 7.5 | 8.5 | 28 | 6319-C3 | 6319-C3 |
| 449TS | 22 | 55.7 | 11 | 18 | 20 | 25 | 0.81 | 23.9 | 2.88 | 0.875 | 3.375 | 6.91 | 3 | 19.7 | 7.5 | 8.5 | 28 | 6319-C3 | 6319-C3 |

General Information
Premium Efficient Motors
Metric IEC Motors
Medium Voltage Motors
Pump Motors
Crusher Duty Motors
Brake Motors
56C & TTC Rolled Steel Motors
Washdown Motors
575V Motors
Parts and Accessories
Technical Data

Crusher 40NFC & 33NFC Series – 250-600 HP
Performance Data and Mounting Dimensions

| HP | Series Prefix | RPM | Frame | Torque | | | FLA | | LRA | | Efficiency | | | Power Factor | | | NEMA Design | Code | SF | DE | ODE | lbs |
|-----|---------------|------|-------|-----------|-------|-------|------|------|------|------|------------|------|------|--------------|-----|-----|-------------|------|------|-------|--------|------|
| | | | | FLT lb-ft | LRT % | BDT % | 460V | 575V | 460V | 575V | FL | 75% | 50% | FL | 75% | 50% | | | | | | |
| 250 | 40NFC | 1189 | 449T | 1105 | 220 | 210 | 305 | 244 | 2100 | 1680 | 95.0 | 94.9 | 93.9 | 81 | 80 | 78 | C | H | 1.15 | NU319 | 6314C3 | 2645 |
| 300 | 40NFC | 1787 | 449T | 882 | 240 | 230 | 347 | 278 | 2600 | 2080 | 95.4 | 95.4 | 95.1 | 85 | 84 | 79 | C | H | 1.15 | NU319 | 6314C3 | 2665 |
| | 40NFC | 1188 | 449T | 1326 | 230 | 210 | 368 | 294 | 2550 | 2040 | 95.0 | 95.0 | 94.8 | 80 | 77 | 68 | C | H | 1.15 | NU319 | 6314C3 | 2830 |
| 350 | 40NFC | 1787 | 449T | 1029 | 230 | 240 | 400 | 320 | 3050 | 2440 | 95.4 | 95.4 | 95.1 | 86 | 84 | 80 | C | H | 1.15 | NU319 | 6314C3 | 2900 |
| | 33NFC | 1190 | 587UZ | 1545 | 219 | 277 | 401 | 321 | 2485 | 1988 | 95.0 | 94.9 | 94.0 | 86 | 83 | 74 | C | G | 1.15 | NU324 | 6324C3 | 3877 |
| 400 | 40NFC | 1785 | 449T | 1178 | 200 | 200 | 452 | 362 | 2983 | 2386 | 95.2 | 95.4 | 95.1 | 87 | 86 | 84 | C | H | 1.0 | NU319 | 6314C3 | 2900 |
| | 33NFC | 1790 | 587UZ | 1174 | 208 | 258 | 436 | 349 | 2766 | 2213 | 95.5 | 95.9 | 95.1 | 90 | 88 | 83 | C | F | 1.15 | NU324 | 6324C3 | 3877 |
| 500 | 33NFC | 1190 | 587UZ | 1765 | 206 | 259 | 458 | 366 | 2678 | 2142 | 95.0 | 95.0 | 94.0 | 86 | 84 | 76 | C | F | 1.15 | NU324 | 6324C3 | 4200 |
| | 33NFC | 1790 | 588UZ | 1467 | 206 | 272 | 545 | 436 | 3436 | 2749 | 95.5 | 95.2 | 94.5 | 90 | 89 | 84 | C | F | 1.15 | NU324 | 6324C3 | 4300 |
| 600 | 33NFC | 1190 | 588UZ | 2207 | 218 | 264 | 573 | 458 | 3449 | 2759 | 95.0 | 95.1 | 94.2 | 86 | 84 | 76 | C | F | 1.15 | NU324 | 6324C3 | 4420 |
| | 33NFC | 1790 | 588UZ | 1760 | 210 | 268 | 654 | 523 | 4106 | 3285 | 95.5 | 95.3 | 94.6 | 90 | 89 | 84 | C | F | 1.15 | NU324 | 6324C3 | 4421 |

Crusher 40NFC Series – 449T-587 Footed
Mounting Dimensions

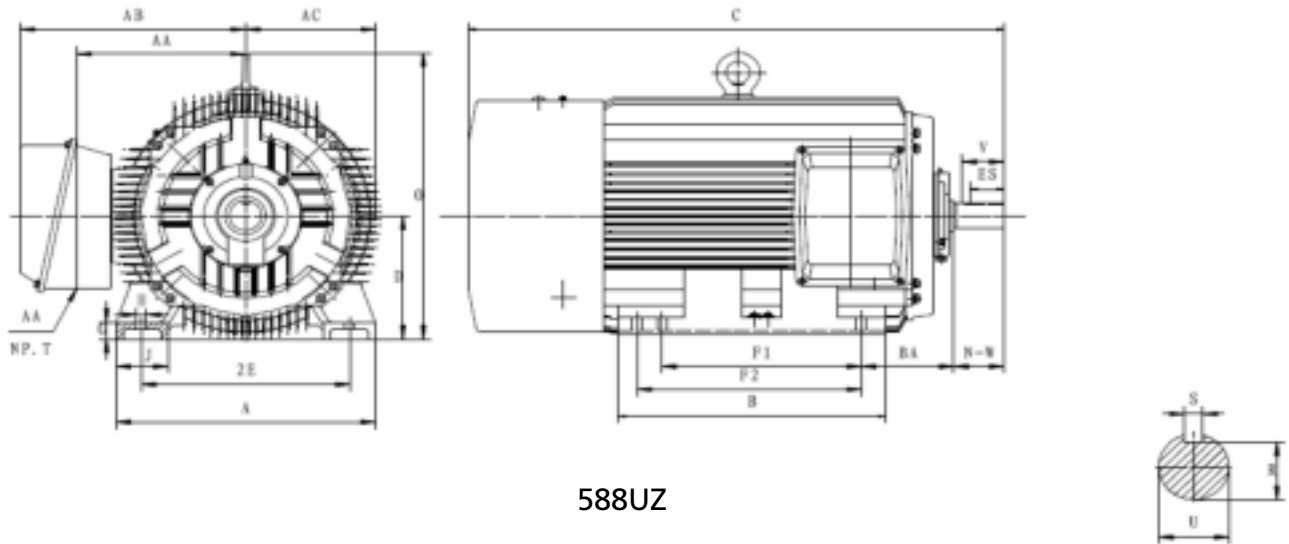


| Frame | # of Poles | Mounting Dimensions | | | | | | | | | | | Overall Dimensions | | | | | | | | | | | | |
|-------|------------|---------------------|----|-----|-----|-----|------|------|-----------|-------|--------|-------|--------------------|-------|-------|-------|-------|-------|------|------|------|-------|-------|------|-------|
| | | D | 2E | 2F1 | 2F2 | 2F3 | G | H | Shaft End | | | | A | AA | AB | B | C | J | K1 | K2 | O | P | T | | |
| 449T | 4,6 | 11 | 18 | 20 | 25 | 20 | 1.55 | 0.81 | 7.5 | 7.87 | 8.5 | 2.88 | 0.875 | 3.375 | 21.97 | 2 X 3 | 23.85 | 29.72 | 55.1 | 5.2 | 9.72 | 9.72 | 22.9 | 25 | 4.66 |
| 587 | 4,6 | 14.5 | 23 | 22 | 25 | - | 2.48 | 1.25 | 10 | 9.842 | 11.625 | 3.309 | 1 | 3.875 | 28.34 | 2 X 3 | 25.12 | 29.92 | 63.5 | 6.22 | 7.28 | 10.24 | 33.94 | 30.6 | 4.827 |

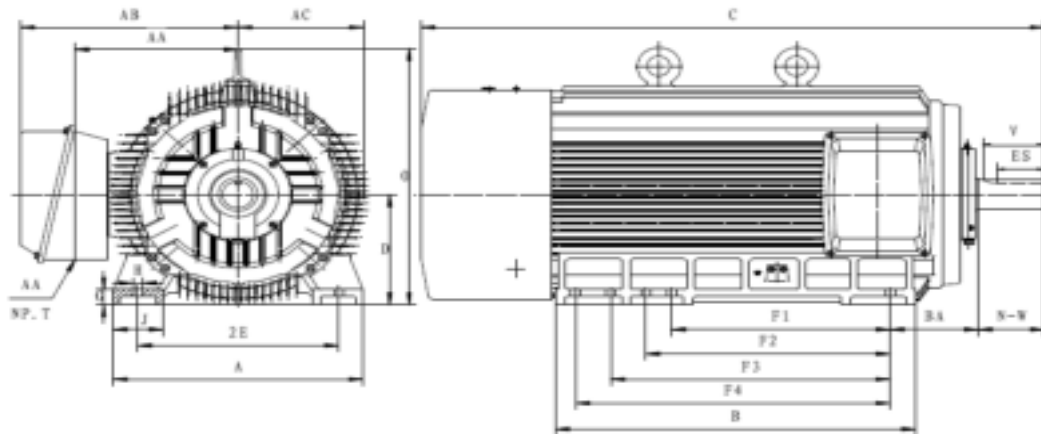
449T Base suitable for 447T Frame mounting.
587 Base suitable for 586 Frame mounting (F1 position only).

Crusher 33NFC Series – 587UZ-588UZ Footed
Mounting Dimensions

587UZ



588UZ



| Frame | # of Poles | 2E | F1 | F2 | F3 | F4 | H | G | J | A | B | O | D | BA | AB | AC | AA | U | R | S | N-W | ES | V | C |
|-------|------------|----|----|----|----|----|-----|---|-----|------|-------|------|------|----|----|-------|-------|-------|-------|---|------|----|------|----|
| 587UZ | 4,6,8 | 23 | 25 | 28 | - | - | 1.1 | 2 | 5.7 | 28.6 | 29.53 | 33.5 | 14.5 | 10 | 25 | 14.37 | 18.11 | 4.375 | 3.819 | 1 | 11.6 | 10 | 10.5 | 65 |
| 588UZ | 4,6,8 | 23 | 25 | 28 | 32 | 36 | 1.1 | 2 | 5.7 | 28.6 | 41.14 | 33.5 | 14.5 | 10 | 25 | 14.37 | 18.11 | 4.375 | 3.819 | 1 | 11.6 | 10 | 10.5 | 77 |

Premium Brake 20N Series – 1-30 HP

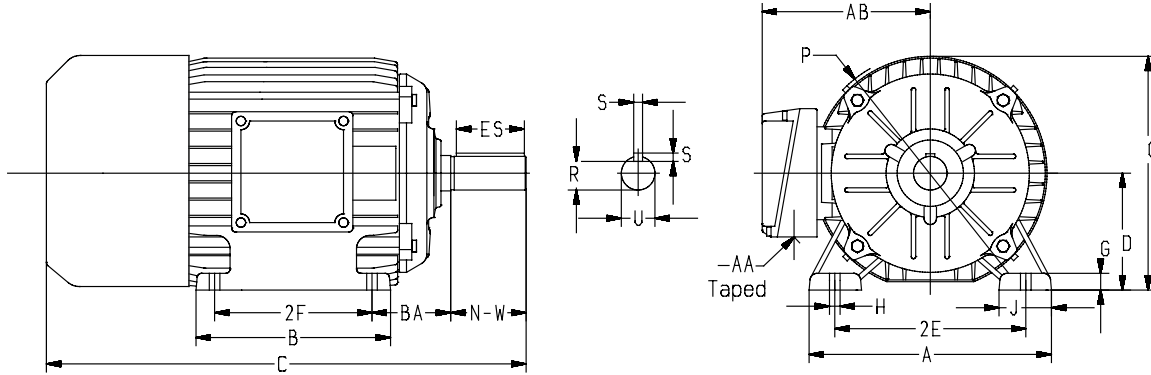
Performance Data

| Metric IEC Motors | HP | RPM | Frame | Torque | | | | FLA | | | LRA | | Efficiency | | | Power Factor | | | NEMA Design | Code | SF | lbs |
|-------------------------------|-----|------|-------|-----------|-----------|-------|-------|------|------|------|------|-------|------------|------|------|--------------|-----|-----|-------------|------|-----|-----|
| | | | | FLT lb-ft | BT* lb-ft | LRT % | BDT % | 460V | 575V | 208V | 460V | 575V | FL | 75% | 50% | FL | 75% | 50% | | | | |
| Medium Voltage Motors | 1 | 1765 | 143T | 3 | 11.8 | 300 | 320 | 1.4 | 1.1 | 3.1 | 12.9 | 10.3 | 85.5 | 84.5 | 81.3 | 78 | 70 | 57 | B | M | 1.4 | 53 |
| | | 1160 | 145T | 4.5 | 11.8 | 240 | 300 | 1.7 | 1.4 | 3.8 | 10 | 8 | 82.5 | 81.9 | 78.6 | 68 | 59 | 46 | B | K | 1.4 | 55 |
| Medium Voltage Motors | 1.5 | 3540 | 143T | 2.2 | 11.8 | 350 | 410 | 2.1 | 1.7 | 4.6 | 20 | 16 | 84.5 | 83.2 | 79.8 | 78 | 69 | 57 | B | M | 1.4 | 56 |
| | | 1750 | 145T | 4.5 | 11.8 | 300 | 400 | 2 | 1.6 | 4.4 | 16.6 | 13.3 | 87 | 86.8 | 85 | 79 | 72 | 59 | B | K | 1.4 | 57 |
| | | 1170 | 182T | 6.7 | 44.2 | 190 | 280 | 2.4 | 1.9 | 5.3 | 14 | 11.2 | 87.5 | 86.9 | 84.5 | 68 | 59 | 47 | B | J | 1.4 | 85 |
| | | 3525 | 145T | 3 | 11.8 | 360 | 400 | 2.7 | 2.2 | 6.0 | 25.4 | 20.3 | 86 | 85.7 | 83.3 | 82 | 75 | 62 | B | L | 1.4 | 57 |
| Medium Voltage Motors | 2 | 1745 | 145T | 6 | 11.8 | 260 | 340 | 2.6 | 2.1 | 5.8 | 19.2 | 15.4 | 86.5 | 87.1 | 85.8 | 83 | 77 | 64 | B | J | 1.4 | 59 |
| | | 1170 | 184T | 9 | 44.2 | 200 | 300 | 3 | 2.4 | 6.6 | 25 | 20 | 88.5 | 88.6 | 86.9 | 72 | 64 | 51 | B | L | 1.4 | 98 |
| | | 3500 | 182T | 4.5 | 44.2 | 310 | 320 | 4 | 3.2 | 8.8 | 32 | 25.6 | 86.5 | 86.4 | 84.4 | 82 | 76 | 65 | B | K | 1.4 | 76 |
| Pump Motors | 3 | 1775 | 182T | 8.9 | 44.2 | 320 | 400 | 4.2 | 3.4 | 9.3 | 38 | 30.4 | 89.5 | 88.5 | 85.8 | 75 | 67 | 54 | A | M | 1.4 | 102 |
| | | 1165 | 213T | 13.5 | 59 | 260 | 360 | 4.2 | 3.4 | 9.3 | 32 | 25.6 | 89.5 | 89.5 | 88 | 74 | 68 | 56 | B | K | 1.4 | 205 |
| | | 3535 | 184T | 7.4 | 44.2 | 450 | 530 | 6.2 | 5.0 | 13.7 | 73 | 58.4 | 89 | 88.6 | 86.7 | 85 | 80 | 68 | A | N | 1.4 | 102 |
| Pump Motors | 5 | 1770 | 184T | 14.8 | 44.2 | 300 | 380 | 6.7 | 5.4 | 14.8 | 61 | 48.8 | 89.5 | 89.2 | 87.6 | 78 | 71 | 58 | A | L | 1.3 | 108 |
| | | 1170 | 215T | 22.4 | 59 | 250 | 350 | 7 | 5.6 | 15.5 | 46 | 36.8 | 89.5 | 89.6 | 88.2 | 75 | 69 | 57 | B | J | 1.3 | 220 |
| | | 3525 | 213T | 11.2 | 59 | 290 | 315 | 8.5 | 6.8 | 18.8 | 76 | 60.8 | 90 | 90 | 88.7 | 92 | 89 | 81 | A | K | 1.3 | 159 |
| Crusher Duty Motors | 7.5 | 1765 | 213T | 22.3 | 59 | 240 | 290 | 9.3 | 7.4 | 20.6 | 71 | 56.8 | 91.7 | 91.6 | 90.5 | 82 | 78 | 67 | A | J | 1.3 | 167 |
| | | 1185 | 254T | 33.2 | 111 | 320 | 350 | 10.4 | 8.3 | 23.0 | 77.5 | 62 | 91 | 90.6 | 88.6 | 74 | 67 | 54 | A | K | 1.3 | 321 |
| | | 3535 | 215T | 14.8 | 59 | 300 | 335 | 11.4 | 9.1 | 25.2 | 93 | 74.4 | 90.2 | 90.4 | 89.3 | 91 | 88 | 80 | A | J | 1.3 | 173 |
| Crusher Duty Motors | 10 | 1770 | 215T | 29.6 | 59 | 230 | 280 | 12.5 | 10.0 | 27.6 | 87 | 69.6 | 91.7 | 91.7 | 90.4 | 82 | 77 | 66 | A | H | 1.3 | 185 |
| | | 1180 | 256T | 44.5 | 111 | 290 | 330 | 13.4 | 10.7 | 29.6 | 94 | 75.2 | 91 | 90.8 | 89.2 | 77 | 70 | 58 | A | J | 1.3 | 363 |
| | | 3540 | 254T | 22.3 | 111 | 240 | 250 | 17.6 | 14.1 | 38.9 | 112 | 90 | 91.7 | 91.8 | 90.5 | 87 | 85 | 77 | B | G | 1.3 | 258 |
| Brake Motors | 15 | 1775 | 254T | 44.3 | 111 | 380 | 440 | 17.3 | 13.8 | 38.3 | 168 | 134.4 | 92.4 | 92 | 90.7 | 88 | 84 | 76 | A | K | 1.3 | 301 |
| | | 1185 | 284T | 66.4 | 177 | 470 | 380 | 19.5 | 15.6 | 43.1 | 180 | 144 | 91.7 | 91.2 | 89 | 79 | 73 | 61 | A | L | 1.3 | 371 |
| | | 3540 | 256T | 29.7 | 111 | 230 | 260 | 22.9 | 18.3 | 50.6 | 138 | 110 | 92 | 92.4 | 91.7 | 89 | 88 | 82 | B | F | 1.3 | 306 |
| Brake Motors | 20 | 1775 | 256T | 59.1 | 111 | 380 | 450 | 22.9 | 18.3 | 50.6 | 230 | 184 | 93 | 92.7 | 91.4 | 88 | 84 | 76 | A | L | 1.2 | 390 |
| | | 1185 | 286T | 88.5 | 177 | 380 | 320 | 25.5 | 20.4 | 56.4 | 221 | 177 | 91.7 | 91.1 | 89.1 | 80 | 74 | 63 | A | L | 1.2 | 421 |
| | | 3555 | 284TS | 36.9 | 177 | 260 | 300 | 29.5 | 23.6 | 65.2 | 205 | 164 | 92.4 | 92.4 | 91.3 | 86 | 82 | 74 | A | H | 1.2 | 348 |
| 56C & T/C Rolled Steel Motors | 25 | 1780 | 284T | 73.7 | 177 | 380 | 420 | 30.5 | 24.4 | 67.5 | 300 | 240 | 93.6 | 93.1 | 91.6 | 82 | 76 | 66 | A | L | 1.2 | 397 |
| | | 3540 | 286TS | 44.5 | 177 | 250 | 300 | 35.2 | 28.2 | 77.8 | 215 | 172 | 91.7 | 92 | 91.2 | 87 | 85 | 80 | A | G | 1.2 | 390 |
| | | 1780 | 286T | 88.4 | 177 | 370 | 390 | 37.5 | 30.0 | 82.9 | 350 | 280 | 93.6 | 93 | 91.3 | 80 | 73 | 61 | A | L | 1.2 | 441 |

* BT = Break Torque in lb-ft

Premium Brake 20N Series – 143T-286TS Footed Mounting Dimensions

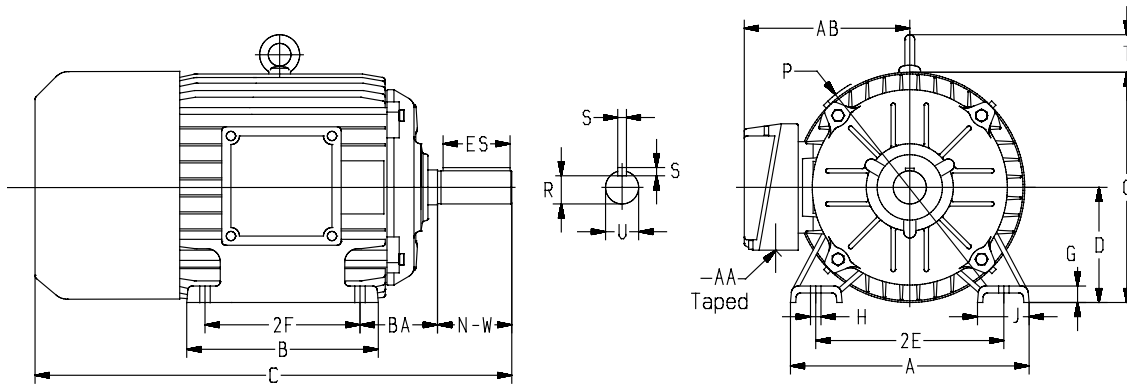
143T-145T



| Frame | Mounting Dimensions | | | | | | | | | | | Overall Dimensions | | | | | | | | Bearing |
|-------|---------------------|------|------|------|------|------|-------|-------|------|-----|------|--------------------|-------|------|------|------|------|-------|------|---------|
| | A | B | D | 2E | 2F | H | R | U | N-W | AA | BA | ES | C | G | J | O | P | S | AB | |
| 143T | 6.62 | 5.83 | 3.50 | 5.50 | 4.00 | 0.34 | 0.771 | 0.875 | 2.25 | 3/4 | 2.25 | 1.52 | 17.31 | 0.39 | 1.66 | 7.48 | 8.27 | 0.188 | 6.50 | 6205 2Z |
| 145T | 6.62 | 7.00 | 3.50 | 5.50 | 5.00 | 0.34 | 0.771 | 0.875 | 2.25 | 3/4 | 2.25 | 1.52 | 18.27 | 0.39 | 1.66 | 7.48 | 8.27 | 0.188 | 6.50 | 6205 2Z |

Units in inches. Manual release is located on the top of the fan guard and has a height of 3.5 inches from the fan guard to the handle.

182T-286TS

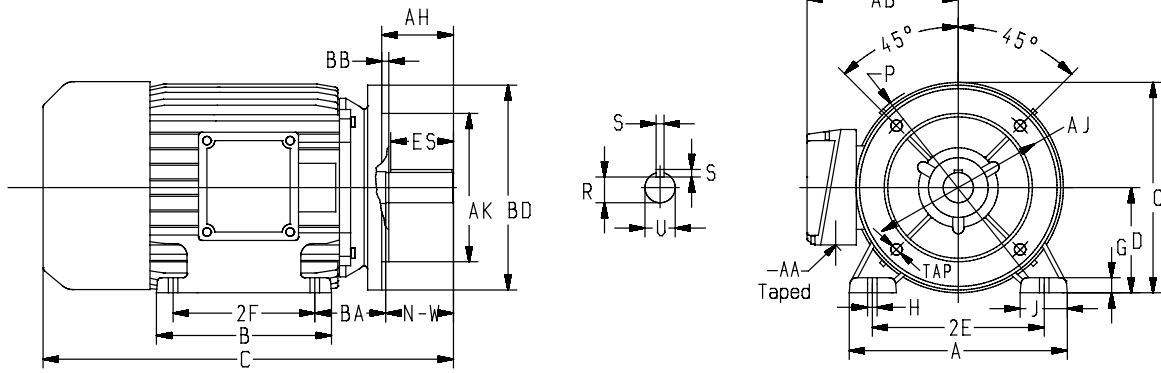


| Frame | Mounting Dimensions | | | | | | | | | | | Overall dimensions | | | | | | | | | Bearing |
|-------|---------------------|-------|------|-------|-------|------|-------|-------|------|-------|------|--------------------|-------|------|------|-------|-------|-------|------|-------|-----------|
| | A | B | D | 2E | 2F | H | R | U | N-W | AA | BA | ES | C | G | J | O | P | S | T | AB | |
| 182T | 9.00 | 6.74 | 4.50 | 7.50 | 4.50 | 0.41 | 0.986 | 1.125 | 2.75 | 1 | 2.75 | 1.94 | 22.21 | 0.60 | 2.13 | 9.09 | 9.53 | 0.250 | 1.77 | 7.90 | 6306 2Z |
| 184T | 9.00 | 8.31 | 4.50 | 7.50 | 5.50 | 0.41 | 0.986 | 1.125 | 2.75 | 1 | 2.75 | 1.94 | 22.17 | 0.60 | 2.13 | 9.09 | 9.53 | 0.250 | 1.77 | 7.90 | 6306 2Z |
| 213T | 10.24 | 8.10 | 5.25 | 8.50 | 5.50 | 0.41 | 1.201 | 1.375 | 3.38 | 1 | 3.50 | 2.55 | 23.83 | 0.72 | 2.20 | 10.55 | 10.94 | 0.312 | 1.77 | 8.45 | 6308/6 2Z |
| 215T | 10.24 | 9.60 | 5.25 | 8.50 | 7.00 | 0.41 | 1.201 | 1.375 | 3.38 | 1 | 3.50 | 2.55 | 27.45 | 0.72 | 2.20 | 10.55 | 10.94 | 0.312 | 1.77 | 8.45 | 6308/6 2Z |
| 254T | 12.28 | 9.92 | 6.25 | 10.00 | 8.25 | 0.55 | 1.416 | 1.625 | 4.00 | 1 1/4 | 4.25 | 3.11 | 30.31 | 0.58 | 2.36 | 13.18 | 14.17 | 0.375 | 2.08 | 10.08 | 6309 2Z |
| 256T | 12.28 | 11.65 | 6.25 | 10.00 | 10.00 | 0.55 | 1.416 | 1.625 | 4.00 | 1 1/4 | 4.25 | 3.11 | 32.08 | 0.58 | 2.36 | 13.18 | 14.17 | 0.375 | 2.08 | 10.08 | 6309 2Z |
| 284T | 13.78 | 11.61 | 7.00 | 11.00 | 9.50 | 0.55 | 1.591 | 1.875 | 4.62 | 1 1/2 | 4.75 | 3.53 | 36.46 | 0.89 | 2.75 | 14.01 | 14.17 | 0.500 | 2.08 | 10.34 | 6311 2Z |
| 284TS | 13.78 | 11.61 | 7.00 | 11.00 | 9.50 | 0.55 | 1.416 | 1.625 | 3.25 | 1 1/2 | 4.75 | 2.10 | 35.16 | 0.89 | 2.75 | 14.01 | 14.17 | 0.375 | 2.08 | 10.34 | 6311 2Z |
| 286T | 13.78 | 13.11 | 7.00 | 11.00 | 11.00 | 0.55 | 1.591 | 1.875 | 4.62 | 1 1/2 | 4.75 | 3.53 | 36.54 | 0.89 | 2.75 | 14.01 | 14.17 | 0.500 | 2.08 | 10.34 | 6311 2Z |
| 286TS | 13.78 | 13.11 | 7.00 | 11.00 | 11.00 | 0.55 | 1.416 | 1.625 | 3.25 | 1 1/2 | 4.75 | 2.10 | 34.72 | 0.89 | 2.75 | 14.01 | 14.17 | 0.375 | 2.08 | 10.34 | 6311 2Z |

Units in inches. Manual release is located on the top of the fan guard and has a height of 3.5 inches from the fan guard to the handle.

Premium Brake 20N Series – 143TC-286TSC C-Face Mounting Dimensions

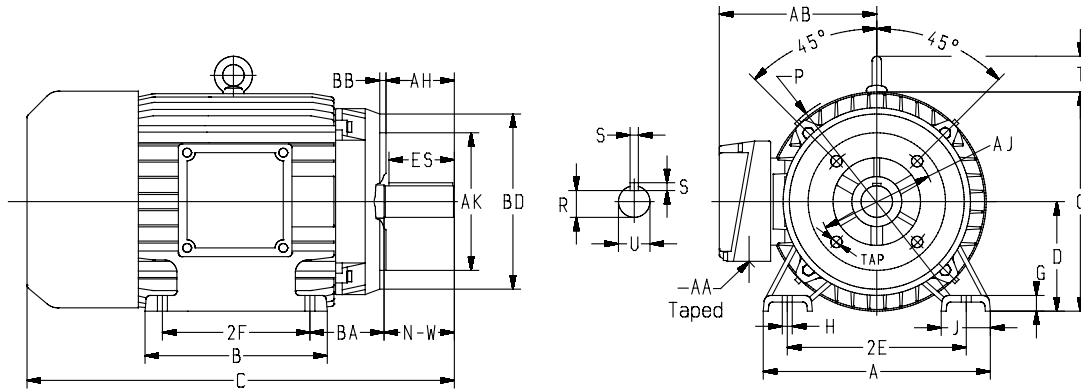
143TC-145TC



| Frame | Mounting Dimensions | | | | | | | | | | Overall Dimensions | | | | | | | | Bearing | |
|-------|---------------------|------|------|------|------|------|-------|-------|------|-----|--------------------|------|-------|------|------|------|------|-------|---------|---------|
| | A | B | D | 2E | 2F | H | R | U | N-W | AA | BA | ES | C | G | J | O | P | S | | AB |
| 143TC | 6.62 | 5.83 | 3.50 | 5.50 | 4.00 | 0.34 | 0.771 | 0.875 | 2.25 | 3/4 | 2.25 | 1.52 | 17.31 | 0.39 | 1.66 | 7.48 | 8.27 | 0.188 | 6.50 | 6205 2Z |
| 145TC | 6.62 | 7.00 | 3.50 | 5.50 | 5.00 | 0.34 | 0.771 | 0.875 | 2.25 | 3/4 | 2.25 | 1.52 | 18.27 | 0.39 | 1.66 | 7.48 | 8.27 | 0.188 | 6.50 | 6205 2Z |

Units in inches. Manual release is located on the top of the fan guard and has a height of 3.5 inches from the fan guard to the handle.

182TC-286TSC



| Frame | Mounting Dimensions | | | | | | | | | | Overall dimensions | | | | | | | | Bearing | | |
|--------|---------------------|-------|------|-------|-------|------|-------|-------|------|-------|--------------------|------|-------|------|------|-------|-------|-------|---------|-------|-----------|
| | A | B | D | 2E | 2F | H | R | U | N-W | AA | BA | ES | C | G | J | O | P | S | | T | AB |
| 182TC | 9.00 | 6.74 | 4.50 | 7.50 | 4.50 | 0.41 | 0.986 | 1.125 | 2.75 | 1 | 2.75 | 1.94 | 22.21 | 0.60 | 2.13 | 9.09 | 9.53 | 0.250 | 1.77 | 7.90 | 6306 2Z |
| 184TC | 9.00 | 8.31 | 4.50 | 7.50 | 5.50 | 0.41 | 0.986 | 1.125 | 2.75 | 1 | 2.75 | 1.94 | 22.17 | 0.60 | 2.13 | 9.09 | 9.53 | 0.250 | 1.77 | 7.90 | 6306 2Z |
| 213TC | 10.24 | 8.10 | 5.25 | 8.50 | 5.50 | 0.41 | 1.201 | 1.375 | 3.38 | 1 | 3.50 | 2.55 | 23.83 | 0.72 | 2.20 | 10.55 | 10.94 | 0.312 | 1.77 | 8.45 | 6308/6 2Z |
| 215TC | 10.24 | 9.60 | 5.25 | 8.50 | 7.00 | 0.41 | 1.201 | 1.375 | 3.38 | 1 | 3.50 | 2.55 | 27.45 | 0.72 | 2.20 | 10.55 | 10.94 | 0.312 | 1.77 | 8.45 | 6308/6 2Z |
| 254TC | 12.28 | 9.92 | 6.25 | 10.00 | 8.25 | 0.55 | 1.416 | 1.625 | 4.00 | 1 1/4 | 4.25 | 3.11 | 30.31 | 0.58 | 2.36 | 13.18 | 14.17 | 0.375 | 2.08 | 10.08 | 6309 2Z |
| 256TC | 12.28 | 11.65 | 6.25 | 10.00 | 10.00 | 0.55 | 1.416 | 1.625 | 4.00 | 1 1/4 | 4.25 | 3.11 | 32.08 | 0.58 | 2.36 | 13.18 | 14.17 | 0.375 | 2.08 | 10.08 | 6309 2Z |
| 284TC | 13.78 | 11.61 | 7.00 | 11.00 | 9.50 | 0.55 | 1.591 | 1.875 | 4.62 | 1 1/2 | 4.75 | 3.53 | 36.46 | 0.89 | 2.75 | 14.01 | 14.17 | 0.500 | 2.08 | 10.34 | 6311 2Z |
| 284TSC | 13.78 | 11.61 | 7.00 | 11.00 | 9.50 | 0.55 | 1.416 | 1.625 | 3.25 | 1 1/2 | 4.75 | 2.10 | 35.16 | 0.89 | 2.75 | 14.01 | 14.17 | 0.375 | 2.08 | 10.34 | 6311 2Z |
| 286TC | 13.78 | 13.11 | 7.00 | 11.00 | 11.00 | 0.55 | 1.591 | 1.875 | 4.62 | 1 1/2 | 4.75 | 3.53 | 36.54 | 0.89 | 2.75 | 14.01 | 14.17 | 0.500 | 2.08 | 10.34 | 6311 2Z |
| 286TSC | 13.78 | 13.11 | 7.00 | 11.00 | 11.00 | 0.55 | 1.416 | 1.625 | 3.25 | 1 1/2 | 4.75 | 2.10 | 34.72 | 0.89 | 2.75 | 14.01 | 14.17 | 0.375 | 2.08 | 10.34 | 6311 2Z |

Units in inches. Manual release is located on the top of the fan guard and has a height of 3.5 inches from the fan guard to the handle.

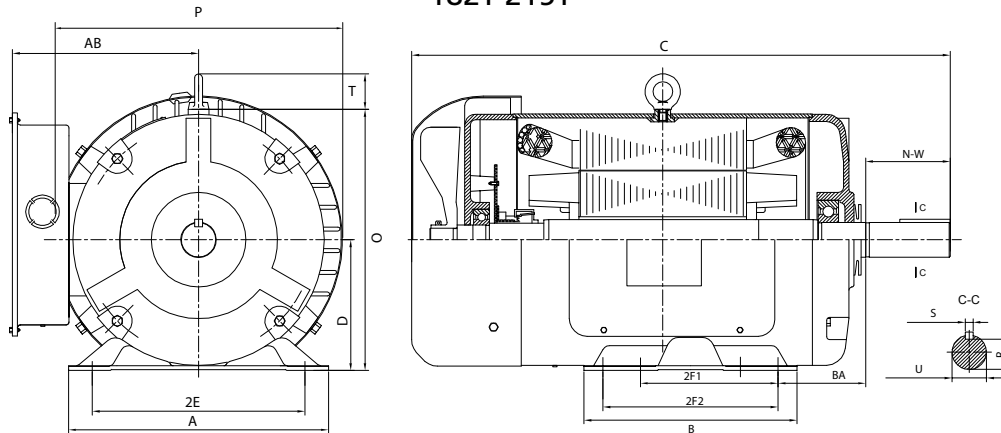
High Torque Single Phase Rolled Steel 36T Series – 1-Phase

NEMA AC Foot Mounted and C-Face Performance Data and Mounting Dimensions

| HP | RPM | Frame | Volt | Phase | HZ | Full Load Amps | LRT % | BDT % | LRA % | EFF % | PF % | lbs | Encl | Start Cap uF/350V | Run Cap uF/450V |
|-----|------|---------|--------------|-------|----|----------------|-------|-------|-------|-------|------|-----|------|-------------------|-----------------|
| 3 | 3475 | 182T/TC | 208-230/460V | 1 | 60 | 14.0-12.4/6.3 | 234 | 150 | 641 | 79.4 | 99 | 88 | TEFC | 300 | 40 |
| | 1735 | 182T/TC | 208-230/460V | 1 | 60 | 14.5-12.6/6.4 | 295 | 160 | 695 | 81.7 | 95 | 92 | TEFC | 350 | 30 |
| 5 | 3490 | 184T/TC | 208-230/460V | 1 | 60 | 23.0-20.0/10.0 | 157 | 170 | 503 | 82.5 | 99 | 95 | TEFC | 400 | 50 |
| | 1740 | 184T/TC | 208-230/460V | 1 | 60 | 22.5-20.0/10.0 | 270 | 150 | 663 | 83.8 | 95 | 110 | TEFC | 350 | 40 |
| 7.5 | 3490 | 213T/TC | 208-230/460V | 1 | 60 | 31.5-29.0/15.0 | 314 | 190 | 616 | 83.5 | 99 | 123 | TEFC | 500 | 60 |
| | 1740 | 213T/TC | 208-230/460V | 1 | 60 | 32.8-30.0/15.2 | 340 | 180 | 783 | 84.5 | 98 | 143 | TEFC | 650 | 60 |
| 10 | 1738 | 215T/TC | 208-230/460V | 1 | 60 | 40.2-38.2/19.5 | 299 | 170 | 684 | 88.7 | 97 | 161 | TEFC | 450 (x2)* | 50 (x2)* |

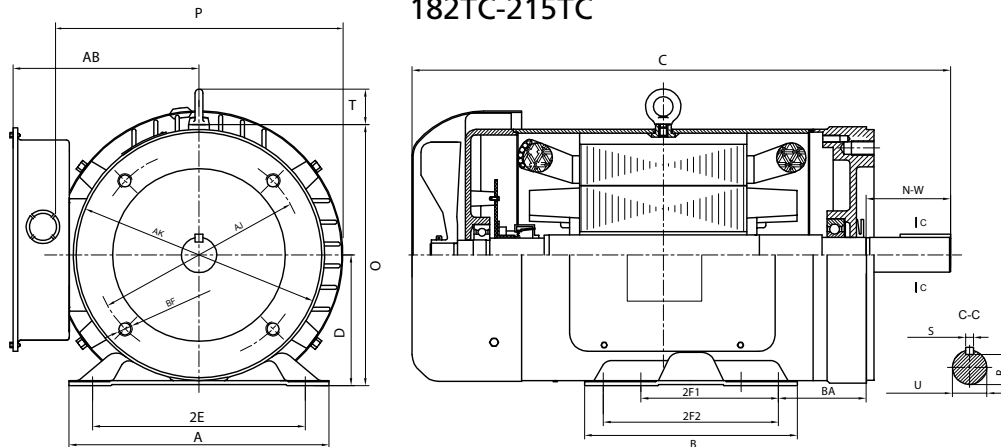
* (2) capacitors needed per motor.

182T-215T



| Frame | AB | T | O | 2E | A | P | D | C | 2F1 | 2F2 | B | BA | N-W | S | R | U |
|-------|-----|---|-----|-----|-----|----|------|----|-----|-----|-----|------|------|-------|------|-------|
| 182T | 6.7 | 2 | 9.3 | 7.5 | 8.7 | 9 | 4.5 | 17 | 4.5 | 5.5 | 6.7 | 2.75 | 2.75 | 0.25 | 0.98 | 1.125 |
| 184T | 6.7 | 2 | 9.3 | 7.5 | 8.7 | 9 | 4.5 | 18 | 4.5 | 5.5 | 6.7 | 2.75 | 2.75 | 0.25 | 0.98 | 1.125 |
| 213T | 7.7 | 2 | 11 | 8.5 | 10 | 12 | 5.25 | 20 | 5.5 | 7 | 10 | 3.5 | 3.38 | 0.312 | 1.20 | 1.375 |
| 215T | 7.7 | 2 | 11 | 8.5 | 10 | 12 | 5.25 | 20 | 5.5 | 7 | 10 | 3.5 | 3.38 | 0.312 | 1.20 | 1.375 |

182TC-215TC



| Frame | AB | T | O | 2E | A | P | D | C | 2F1 | 2F2 | B | BA | N-W | S | R | U | AJ | AK | BF |
|-------|-----|---|-----|-----|-----|----|------|----|-----|-----|-----|------|------|-------|------|-------|------|-------|-----------|
| 182TC | 6.7 | 2 | 9.3 | 7.5 | 8.7 | 9 | 4.5 | 17 | 4.5 | 5.5 | 6.7 | 2.75 | 2.75 | 0.25 | 0.98 | 1.125 | 7.25 | 8.327 | 1/2-13UNC |
| 184TC | 6.7 | 2 | 9.3 | 7.5 | 8.7 | 9 | 4.5 | 18 | 4.5 | 5.5 | 6.7 | 2.75 | 2.75 | 0.25 | 0.98 | 1.125 | 7.25 | 8.327 | 1/2-13UNC |
| 213TC | 7.7 | 2 | 11 | 8.5 | 10 | 12 | 5.25 | 20 | 5.5 | 7 | 10 | 3.5 | 3.38 | 0.312 | 1.20 | 1.375 | 7.25 | 8.5 | 1/2-13UNC |
| 215TC | 7.7 | 2 | 11 | 8.5 | 10 | 12 | 5.25 | 20 | 5.5 | 7 | 10 | 3.5 | 3.38 | 0.312 | 1.20 | 1.375 | 7.25 | 8.5 | 1/2-13UNC |

56C Frame Rolled Steel – 1-Phase and 3-Phase

NEMA AC TEFC Footed and Round Body Performance Data and Mounting Dimensions

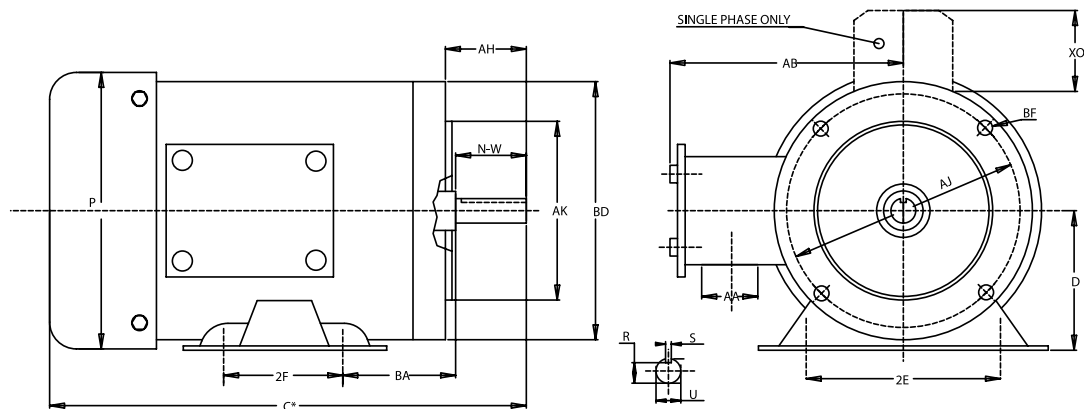
1-Phase With or Without Thermal Protection and Manual Reset

| HP | RPM | Frame | Phase | Volt | HZ | Amps 230V | LRT % | BDT % | LRA % | EFF % | PF % | C DIM | lbs |
|-----|------|-------|-------|---------|----|-----------|-------|-------|-------|-------|------|-------|------|
| 1/3 | 3450 | 56C | 1 | 115/230 | 60 | 2.4 | 300 | 180 | 700 | 57 | 82 | 10.95 | 23.2 |
| | 1720 | 56C | 1 | 115/230 | 60 | 3 | 280 | 180 | 700 | 60 | 59 | 10.95 | 23.2 |
| 1/2 | 3450 | 56C | 1 | 115/230 | 60 | 3.1 | 280 | 180 | 700 | 63 | 83 | 10.95 | 24.3 |
| | 1720 | 56C | 1 | 115/230 | 60 | 4 | 250 | 180 | 700 | 62 | 65 | 10.95 | 24.3 |
| 3/4 | 3450 | 56C | 1 | 115/230 | 60 | 4.5 | 280 | 180 | 700 | 64 | 83 | 10.95 | 26.5 |
| | 1720 | 56C | 1 | 115/230 | 60 | 4.6 | 250 | 180 | 700 | 73 | 71 | 11.42 | 31 |
| 1 | 3450 | 56C | 1 | 115/230 | 60 | 6.2 | 250 | 180 | 700 | 64 | 83 | 11.42 | 32 |
| | 1720 | 56C | 1 | 115/230 | 60 | 6.1 | 250 | 180 | 700 | 73 | 73 | 11.90 | 36.4 |
| 1.5 | 3450 | 56C | 1 | 115/230 | 60 | 8.7 | 250 | 180 | 700 | 66 | 84 | 11.90 | 39.7 |
| | 1720 | 56C | 1 | 115/230 | 60 | 8.4 | 250 | 180 | 700 | 74 | 77 | 12.90 | 40.8 |
| 2 | 3450 | 56HC | 1 | 115/230 | 60 | 10.8 | 250 | 180 | 700 | 72 | 84 | 12.90 | 43 |
| | 1720 | 56HC | 1 | 115/230 | 60 | 9 | 170 | 170 | 600 | 76 | 95 | 12.90 | 43 |

3-Phase

| HP | RPM | Frame | Phase | Volt | HZ | Amps 460V | LRT % | BDT % | LRA % | EFF % | PF % | C DIM | lbs |
|-----|------|-------|-------|---------|----|-----------|-------|-------|-------|-------|------|-------|------|
| 1/3 | 3400 | 56C | 3 | 230/460 | 60 | 0.65 | 400 | 420 | 700 | 59 | 83 | 10.95 | 21 |
| | 1700 | 56C | 3 | 230/460 | 60 | 0.5 | 280 | 320 | 700 | 79 | 81 | 10.95 | 20.5 |
| 1/2 | 3400 | 56C | 3 | 230/460 | 60 | 0.88 | 400 | 400 | 700 | 62 | 85 | 10.95 | 22.1 |
| | 1700 | 56C | 3 | 230/460 | 60 | 0.9 | 260 | 280 | 700 | 71 | 75 | 10.95 | 21.2 |
| 3/4 | 3400 | 56C | 3 | 230/460 | 60 | 1.2 | 380 | 390 | 700 | 69 | 84 | 10.95 | 23.4 |
| | 1700 | 56C | 3 | 230/460 | 60 | 1.3 | 270 | 320 | 700 | 72 | 76 | 10.95 | 22.7 |
| 1 | 3400 | 56C | 3 | 230/460 | 60 | 1.6 | 380 | 370 | 800 | 69 | 85 | 10.95 | 25.5 |
| | 1700 | 56C | 3 | 230/460 | 60 | 1.7 | 290 | 320 | 700 | 79 | 73 | 10.95 | 23.6 |
| 1.5 | 3400 | 56C | 3 | 230/460 | 60 | 2.3 | 390 | 350 | 700 | 72 | 85 | 10.95 | 29.5 |
| | 1700 | 56C | 3 | 230/460 | 60 | 2.2 | 280 | 320 | 700 | 83 | 76 | 11.50 | 26 |
| 2 | 3400 | 56HC | 3 | 230/460 | 60 | 2.7 | 360 | 360 | 900 | 80 | 88 | 11.50 | 35.3 |
| | 1700 | 56HC | 3 | 230/460 | 60 | 2.9 | 280 | 330 | 700 | 82 | 80 | 12.40 | 31.1 |
| 3 | 3400 | 56HC | 3 | 230/460 | 60 | 3.8 | 340 | 350 | 800 | 80 | 83 | 12.40 | 37.5 |

230/460V suitable at 208V



| Frame | PH | D | 2E | 2F | BA | N-W | R | S | U | AH | AJ | AK | BF | AA | AB | BD | P | X0 |
|-------|----|-----|------|----|------|-------|-------|------|-----|--------|-------|-------|--------|------|--------|---------|--------|------|
| 56C | 1 | 3.5 | 4.88 | 3 | 2.75 | 1-7/8 | 33/64 | 3/16 | 5/8 | 2 1/16 | 5-7/8 | 4 1/2 | 3/8-16 | 0.87 | 5 5/16 | 6 19/32 | 7 1/10 | 1.72 |
| 56C | 3 | 3.5 | 4.88 | 3 | 2.75 | 1-7/8 | 33/64 | 3/16 | 5/8 | 2 1/16 | 5-7/8 | 4 1/2 | 3/8-16 | 0.87 | 5 5/16 | 6 19/32 | 7 1/10 | - |

C Dimension included in performance data.
2 HP 1-Phase motor has 2 capacitors.

56C Frame Stainless Steel – 1-Phase and 3-Phase

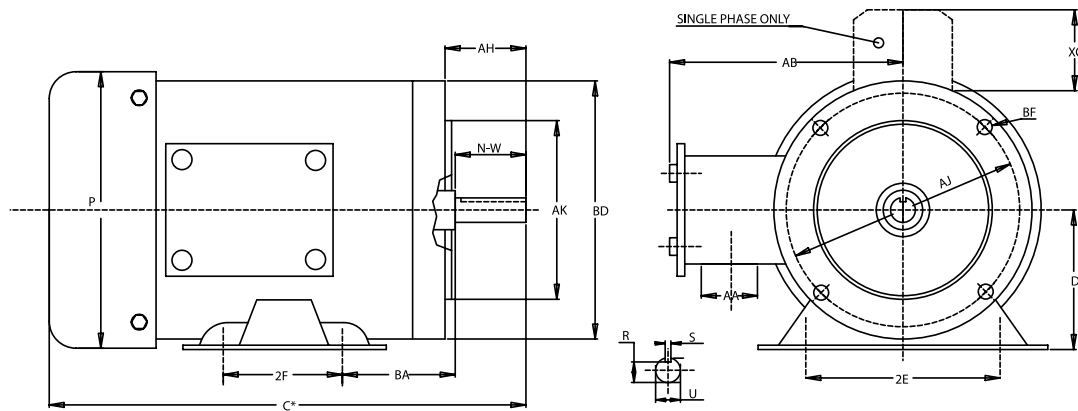
NEMA AC Footed and Round Body Performance Data and Mounting Dimensions

1-Phase 56C Frame Stainless Steel

| HP | RPM | Frame | Volt | Phase | HZ | Amps 230V | LRT % | BDT % | LRA % | EFF % | PF % | C DIM | lbs | Encl |
|-----|------|-------|---------|-------|----|-----------|-------|-------|-------|-------|------|-------|------|------|
| 1/3 | 3450 | 56C | 115/230 | 1 | 60 | 2.4 | 293 | 209 | 543 | 67 | 82 | 10.6 | 23 | TEFC |
| | 1720 | 56C | 115/230 | 1 | 60 | 2.8 | 280 | 230 | 490 | 68 | 58 | 10.6 | 23 | TEFC |
| 1/2 | 3450 | 56C | 115/230 | 1 | 60 | 3.1 | 360 | 180 | 658 | 63 | 83 | 10.6 | 24 | TEFC |
| | 1720 | 56C | 115/230 | 1 | 60 | 4.1 | 320 | 220 | 512 | 61 | 65 | 11.0 | 24 | TEFC |
| 3/4 | 3450 | 56C | 115/230 | 1 | 60 | 4.5 | 310 | 170 | 587 | 63 | 84 | 11.0 | 26.5 | TEFC |
| | 1720 | 56C | 115/230 | 1 | 60 | 4.9 | 280 | 220 | 612 | 72 | 68 | 11.7 | 23.5 | TEFC |
| 1 | 3450 | 56C | 115/230 | 1 | 60 | 6.2 | 270 | 184 | 709 | 64 | 84 | 11.7 | 31.5 | TEFC |
| | 1720 | 56C | 115/230 | 1 | 60 | 6.8 | 270 | 230 | 618 | 69 | 69 | 12.2 | 33 | TEFC |
| 1.5 | 3450 | 56C | 115/230 | 1 | 60 | 8.8 | 270 | 190 | 647 | 65 | 84 | 12.2 | 35 | TEFC |
| | 1720 | 56C | 115/230 | 1 | 60 | 9.5 | 250 | 220 | 663 | 73 | 69 | 13.1 | 38.5 | TEFC |
| 2 | 3450 | 56HC | 115/230 | 1 | 60 | 10.8 | 240 | 210 | 759 | 72 | 84 | 14.0 | 50 | TEFC |
| | 1720 | 56HC | 115/230 | 1 | 60 | 9 | 190 | 190 | 733 | 76 | 95 | 14.0 | 48 | TEFC |

3-Phase 56C Frame Stainless Steel

| HP | RPM | Frame | Volt | Phase | HZ | Amps 460V | LRT % | BDT % | LRA % | EFF % | PF % | C DIM | lbs | Encl |
|-----|------|-------|---------|-------|----|-----------|-------|-------|-------|-------|------|-------|------|------|
| 1/3 | 3400 | 56C | 230/460 | 3 | 60 | 0.58 | 200 | 221 | 568 | 67 | 88 | 8.9 | 23 | TENV |
| | 1700 | 56C | 230/460 | 3 | 60 | 0.65 | 320 | 380 | 785 | 72 | 66 | 9.4 | 22 | TENV |
| 1/2 | 3400 | 56C | 230/460 | 3 | 60 | 0.8 | 230 | 250 | 680 | 75 | 85 | 8.9 | 25 | TENV |
| | 1700 | 56C | 230/460 | 3 | 60 | 0.85 | 270 | 360 | 776 | 78 | 70 | 9.4 | 23.5 | TENV |
| 3/4 | 3400 | 56C | 230/460 | 3 | 60 | 1.1 | 210 | 250 | 663 | 80 | 80 | 8.9 | 30 | TENV |
| | 1700 | 56C | 230/460 | 3 | 60 | 1.2 | 270 | 340 | 825 | 79 | 75 | 9.4 | 31 | TENV |
| 1 | 3400 | 56HC | 230/460 | 3 | 60 | 1.3 | 240 | 230 | 807 | 80 | 85 | 11.2 | 38 | TEFC |
| | 1700 | 56HC | 230/460 | 3 | 60 | 1.5 | 300 | 380 | 906 | 81 | 75 | 12.8 | 38 | TEFC |
| 1.5 | 3400 | 56HC | 230/460 | 3 | 60 | 1.85 | 200 | 240 | 843 | 82.5 | 85 | 12.8 | 45 | TEFC |
| | 1700 | 56HC | 230/460 | 3 | 60 | 2.3 | 300 | 330 | 878 | 82.5 | 72 | 12.8 | 45 | TEFC |
| 2 | 3400 | 56HC | 230/460 | 3 | 60 | 2.45 | 170 | 230 | 829 | 84 | 87 | 12.8 | 47 | TEFC |
| | 1700 | 56HC | 230/460 | 3 | 60 | 2.9 | 290 | 300 | 828 | 84 | 75 | 12.8 | 51 | TEFC |
| 3 | 3400 | 56HC | 230/460 | 3 | 60 | 3.8 | 350 | 360 | 1020 | 80 | 83 | 12.8 | 51 | TEFC |



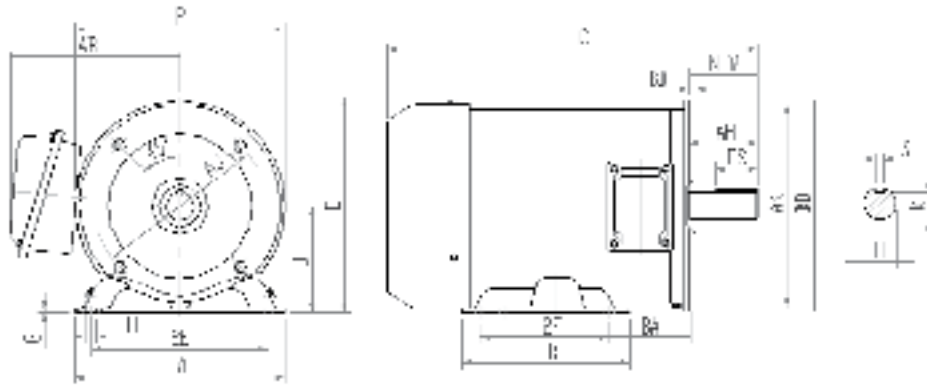
| Frame | PH | D | 2E | 2F | BA | N-W | R | S | U | AH | AJ | AK | BF | AA | AB | BD | P | X0 |
|-------|----|-----|------|----|------|-------|-------|------|-----|--------|-------|-------|--------|------|--------|---------|--------|------|
| 56C | 1 | 3.5 | 4.88 | 3 | 2.75 | 1-7/8 | 33/64 | 3/16 | 5/8 | 2 1/16 | 5-7/8 | 4 1/2 | 3/8-16 | 0.87 | 5 5/16 | 6 19/32 | 7 1/10 | 1.72 |
| 56C | 3 | 3.5 | 4.88 | 3 | 2.75 | 1-7/8 | 33/64 | 3/16 | 5/8 | 2 1/16 | 5-7/8 | 4 1/2 | 3/8-16 | 0.87 | 5 5/16 | 6 19/32 | 7 1/10 | - |

C Dimension included in performance data.
Fractional 3-Phase motors in their standard version have neither fan nor fan guard (TENV).

Design C Stainless Steel 39 Series – 143TC-256TC 3-Phase
NEMA AC Footed and Round Body Performance Data and Mounting Dimensions

| HP | RPM | Frame | Phase | Amps 460V | FLT lb-ft | LRT % | BDT % | EFF % | PF % | Code | Bearing | lbs | Encl |
|----|------|-------|-------|-----------|-----------|-------|-------|-------|------|------|---------|-----|------|
| 1 | 1720 | 143TC | 3 | 1.52 | 3.04 | 225 | 280 | 82.5 | 75 | H | 6205 | 38 | TEFC |
| 3 | 1760 | 182TC | 3 | 4.17 | 8.9 | 215 | 250 | 87.5 | 77 | K | 6306 | 86 | TEFC |
| 5 | 1750 | 184TC | 3 | 6.69 | 14.92 | 185 | 215 | 87.5 | 80 | H | 6306 | 93 | TEFC |
| 20 | 1760 | 256TC | 3 | 24.8 | 59.7 | 180 | 220 | 91 | 84 | G | 6309 | 300 | TEFC |

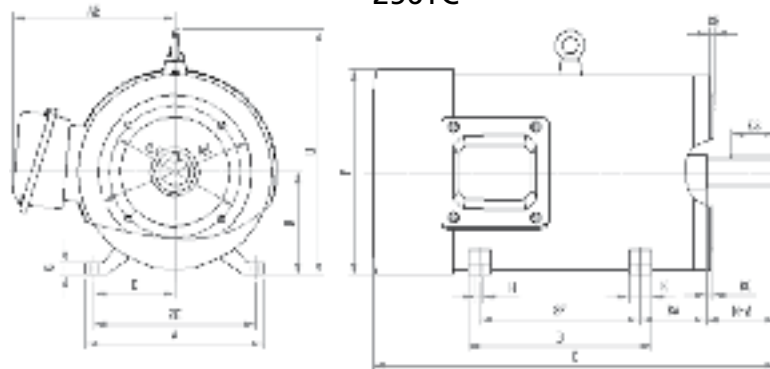
143TC-184TC



| Frame | Mounting | | | A | B | C | D | G | H | O | P | AB | Shaft Extension | | |
|-------|----------|------|------|-----|-----|------|-----|------|------|-----|-----|-----|-----------------|-------|-----|
| | E | F | BA | | | | | | | | | | N-W | U | V |
| 143TC | 2.75 | 2 | 2.75 | 6.4 | 6.4 | 12.6 | 3.5 | 0.08 | 0.34 | 7 | 7 | 6.2 | 2.25 | 0.875 | 2 |
| 182TC | 3.75 | 2.25 | 2.75 | 9 | 6.4 | 16 | 4.5 | 0.16 | 0.41 | 9.2 | 8.7 | 7.2 | 2.75 | 1.125 | 2.5 |
| 184TC | 3.75 | 2.75 | 2.75 | 9 | 7.4 | 17 | 4.5 | 0.16 | 0.41 | 9.2 | 8.7 | 7.2 | 2.75 | 1.125 | 2.5 |

| Frame | AJ | AK | Min BB | BC | Max BD | # of Holes | Screw | Depth of Hole | AH | Keyway | | |
|---------------|-------|-----|--------|-------|--------|------------|--------|---------------|------|--------|------|-------|
| | | | | | | | | | | R | ES | S |
| 143TC - 145TC | 5.875 | 4.5 | 0.16 | +0.12 | 6.5 | 4 | 3/8-16 | 0.56 | 2.12 | 0.771 | 1.41 | 0.188 |
| 182TC - 184TC | 7.25 | 8.5 | 0.25 | +0.12 | 9.0 | 4 | 1/2-13 | 0.75 | 2.62 | 0.986 | 1.78 | 0.250 |

256TC



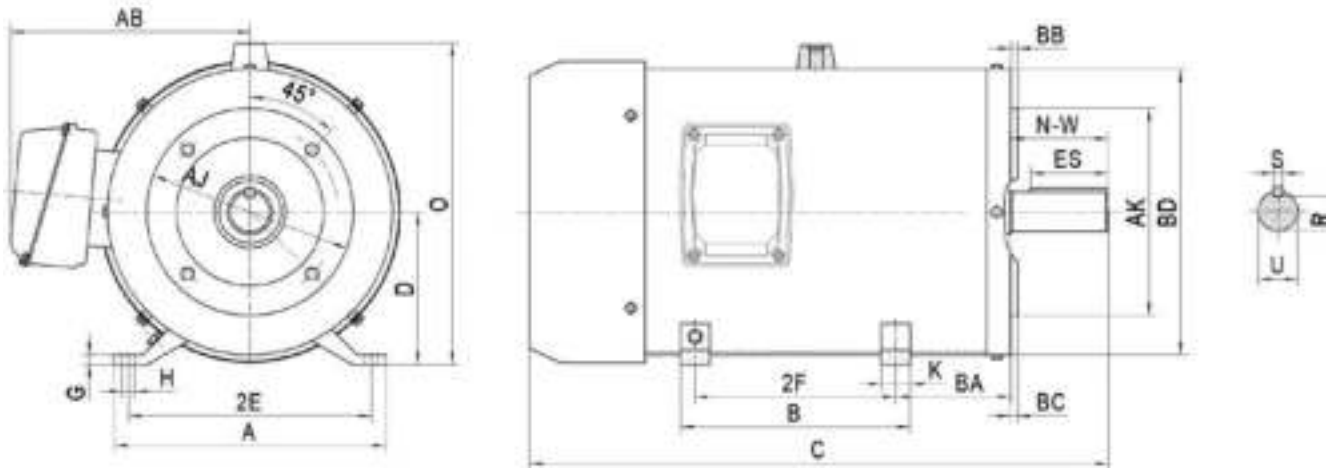
| Frame | Mounting | | | A | B | C | D | G | H | O | P | AB | Shaft Extension | | |
|-------|----------|---|------|------|-------|------|------|-----|------|------|------|------|-----------------|-------|------|
| | E | F | BA | | | | | | | | | | N-W | U | V |
| 256TC | 5 | 5 | 4.75 | 11.2 | 11.18 | 25.4 | 6.25 | 0.6 | 0.53 | 14.2 | 12.5 | 9.84 | 4 | 1.625 | 3.75 |

| Frame | AJ | AK | Min BB | BC | Max BD | # of Holes | Screw | Depth of Hole | AH | Keyway | | |
|-------|------|-----|--------|-------|--------|------------|--------|---------------|------|--------|------|-------|
| | | | | | | | | | | R | ES | S |
| 256TC | 7.25 | 8.5 | 0.25 | +0.25 | 10.0 | 4 | 1/2-13 | 0.75 | 3.75 | 1.416 | 2.91 | 0.375 |

Premium Stainless Steel 79 Series – 143TC-286TC 3-Phase
NEMA AC Footed and Round Body Performance Data

| HP | RPM | Frame | CONN | Torque | | | IDLE 460V | FLA 460V | LRA 460V | Efficiency | | | Power Factor | | | NEMA Design | Code | SF | lbs |
|-----|------|--------|------|--------------|----------|----------|--------------|-------------|-------------|------------|-------|-------|--------------|-------|-------|----------------|------|------|-----|
| | | | | FLT lb-ft | LRT % | BDT % | | | | FL | 75% | 50% | FL | 75% | 50% | | | | |
| 1 | 3600 | 143TC | 2Y/Y | 1.53 | 185 | 250 | 0.63 | 15 | 15 | 77 | 81.1 | 79.73 | 84 | 84.96 | 75.53 | B | J | 1.15 | 44 |
| | 1800 | 143TC | 2Y/Y | 3.05 | 275 | 300 | 1.06 | 15 | 15 | 85.5 | 84.76 | 83.2 | 75 | 71.94 | 59.16 | B | G | 1.15 | 44 |
| 1.5 | 3600 | 143TC | 2Y/Y | 2.29 | 175 | 250 | 0.87 | 20 | 20 | 84 | 85.05 | 84.71 | 84 | 86.2 | 77.77 | B | H | 1.15 | 53 |
| | 1800 | 145TC | 2Y/Y | 4.59 | 250 | 280 | 1.34 | 20 | 20 | 86.5 | 86.35 | 85.13 | 79 | 75.5 | 63.49 | B | G | 1.15 | 53 |
| 2 | 3600 | 145TC | 2Y/Y | 3.07 | 170 | 240 | 0.91 | 25 | 25 | 85.5 | 86.15 | 86.12 | 86 | 89.24 | 82.72 | B | G | 1.15 | 55 |
| | 1800 | 145TC | 2Y/Y | 6.11 | 235 | 270 | 1.64 | 25 | 25 | 86.5 | 86.82 | 86.25 | 80 | 76.83 | 65.21 | B | G | 1.15 | 59 |
| 3 | 3600 | 182TC | 2Y/Y | 4.49 | 160 | 230 | 1.46 | 32 | 32 | 86.5 | 87.25 | 86.36 | 87 | 88.65 | 81.8 | B | J | 1.15 | 98 |
| | 1800 | 182TC | 2Y/Y | 8.94 | 215 | 250 | 2.53 | 32 | 32 | 89.5 | 89.42 | 88.18 | 80 | 75.25 | 63.24 | B | J | 1.15 | 100 |
| 5 | 3600 | 184TC | 2Y/Y | 7.51 | 150 | 215 | 2.26 | 46 | 46 | 88.5 | 88.91 | 88.63 | 88 | 89.55 | 83.35 | B | H | 1.15 | 107 |
| | 1800 | 184TC | 2Y/Y | 14.94 | 185 | 225 | 3.52 | 46 | 46 | 89.5 | 89.32 | 88.61 | 80 | 79.82 | 69.39 | B | H | 1.15 | 108 |
| 7.5 | 3600 | 213TC | 2Δ/Δ | 11.2 | 140 | 200 | 1.72 | 63.5 | 63.5 | 89.7 | 89.82 | 89.45 | 89 | 89.95 | 84.62 | B | G | 1.15 | 159 |
| | 1800 | 213TC | 2Δ/Δ | 22.41 | 175 | 215 | 3.65 | 63.5 | 63.5 | 91.7 | 91.63 | 91.12 | 84 | 81.9 | 73.06 | B | G | 1.15 | 171 |
| 10 | 3600 | 215TC | 2Δ/Δ | 14.94 | 135 | 200 | 1.88 | 81 | 81 | 90.2 | 90.76 | 90.25 | 90 | 91.66 | 87.78 | B | G | 1.15 | 177 |
| | 1800 | 215TC | 2Δ/Δ | 29.87 | 165 | 200 | 4.1 | 81 | 81 | 91.7 | 91.85 | 91.41 | 84 | 83.64 | 75.83 | B | G | 1.15 | 208 |
| 15 | 3600 | 254TC | 2Δ/Δ | 22.15 | 180 | 240 | 4.35 | 116 | 116 | 91 | 91.17 | 90 | 89 | 89 | 83.5 | B | G | 1.15 | 271 |
| | 1800 | 254TC | 2Δ/Δ | 44.68 | 185 | 220 | 7.75 | 116 | 116 | 92.4 | 92.42 | 91.61 | 83 | 81.4 | 71.4 | B | F | 1.15 | 296 |
| 20 | 3600 | 256TC | 2Δ/Δ | 29.54 | 160 | 220 | 5.17 | 145 | 145 | 91 | 91.25 | 91.21 | 90 | 90.8 | 87 | B | G | 1.15 | 322 |
| | 1800 | 256TC | 2Δ/Δ | 59.58 | 180 | 220 | 9.2 | 145 | 145 | 93 | 92.45 | 92.28 | 84 | 85 | 77.6 | B | G | 1.15 | 347 |
| 25 | 3600 | 284TSC | 2Δ/Δ | 36.92 | 170 | 220 | 6.6 | 182.5 | 182.5 | 91.7 | 92.05 | 91.76 | 89 | 89.9 | 85.1 | B | F | 1.15 | 428 |
| | 1800 | 284TC | 2Δ/Δ | 74.26 | 170 | 220 | 10.5 | 182.5 | 182.5 | 93.6 | 93.42 | 92.66 | 86 | 83.4 | 74.7 | B | G | 1.15 | 451 |
| 30 | 3600 | 286TSC | 2Δ/Δ | 44.31 | 170 | 230 | 7.7 | 217.5 | 217.5 | 91.7 | 92.1 | 92.07 | 89 | 90.2 | 85.7 | B | E | 1.15 | 474 |
| | 1800 | 286TC | 2Δ/Δ | 89.11 | 170 | 220 | 12 | 217.5 | 217.5 | 93.6 | 93.29 | 93.12 | 86 | 84.5 | 76.5 | B | G | 1.15 | 482 |

Premium Stainless Steel 79 Series – 143TC-286TC 3-Phase
NEMA AC Footed and Round Body Mounting Dimensions



| Frame | Mounting | | | A | B | C | D | G | H | O | P | R | S | AB | Shaft Extension | | | Bearing | |
|--------|----------|------|------|------|-------|------|------|------|------|------|------|-------|-------|------|-----------------|-------|------|---------|------|
| | 2E | 2F | BA | | | | | | | | | | | | N-W | U | V | DE | ODE |
| 143TC | 5.5 | 4 | 2.75 | 6.4 | 4.96 | 12.6 | 3.5 | 0.08 | 0.35 | 7 | 7 | 0.768 | 0.188 | 6.1 | 2.25 | 0.886 | 2 | 6205 | 6205 |
| 145TC | 5.5 | 5 | 2.75 | 6.4 | 6.4 | 15.2 | 3.5 | 0.08 | 0.35 | 7 | 7 | 0.768 | 0.188 | 6.1 | 2.25 | 0.886 | 2 | 6205 | 6205 |
| 182TC | 7.5 | 4.5 | 3.5 | 9 | 6.1 | 16 | 4.5 | 0.16 | 0.43 | 9 | 8.7 | 0.98 | 0.25 | 7.1 | 2.75 | 1.125 | 2.5 | 6306 | 6306 |
| 184TC | 7.5 | 5.5 | 3.5 | 9 | 7.1 | 17 | 4.5 | 0.16 | 0.43 | 9 | 8.7 | 0.98 | 0.25 | 7.1 | 2.75 | 1.125 | 2.5 | 6306 | 6306 |
| 213TC | 8.5 | 5.5 | 4.25 | 10.5 | 8.5 | 20.5 | 5.25 | 0.16 | 0.43 | 10.4 | 10.4 | 1.181 | 0.315 | 8.27 | 3.38 | 1.378 | 3.12 | 6208 | 6208 |
| 215T | 8.5 | 7 | 4.25 | 10.5 | 8.5 | 22 | 5.25 | 0.16 | 0.43 | 10.4 | 10.4 | 1.181 | 0.315 | 8.27 | 3.38 | 1.378 | 3.12 | 6208 | 6208 |
| 254TC | 10 | 8.25 | 4.75 | 11.2 | 10.6 | 23.8 | 6.25 | 0.39 | 0.53 | 13.2 | 12.5 | 1.417 | 0.375 | 9.84 | 4 | 1.625 | 3.75 | 6309 | 6309 |
| 256TC | 10 | 10 | 4.75 | 11.2 | 12.36 | 25.4 | 6.25 | 0.39 | 0.53 | 13.2 | 12.5 | 1.417 | 0.375 | 9.84 | 4 | 1.625 | 3.75 | 6309 | 6309 |
| 284TSC | 11 | 9.5 | 4.75 | 12.2 | 11.08 | 25.2 | 7 | 0.47 | 0.53 | 14.8 | 14 | 1.417 | 0.375 | 9.84 | 3.25 | 1.625 | 3 | 6310 | 6310 |
| 284TC | 11 | 9.5 | 4.75 | 12.2 | 11.08 | 26.6 | 7 | 0.47 | 0.53 | 14.8 | 14 | 1.591 | 0.5 | 9.84 | 4.62 | 1.875 | 4.38 | 6310 | 6310 |
| 286TSC | 11 | 11 | 4.75 | 12.2 | 12.57 | 26.2 | 7 | 0.47 | 0.53 | 14.8 | 14 | 1.417 | 0.375 | 9.84 | 3.25 | 1.625 | 3 | 6310 | 6310 |
| 286TC | 11 | 11 | 4.75 | 12.2 | 12.57 | 27.6 | 7 | 0.47 | 0.53 | 14.8 | 14 | 1.591 | 0.5 | 9.84 | 4.62 | 1.875 | 4.38 | 6310 | 6310 |

| Frame | AJ | AK | BA | Min BB | BC | Max BD | # of Holes | Screw | Depth of Hole | U | AH | Keyway | | |
|--------|-------|------|------|--------|-------|--------|------------|--------|---------------|-------|------|--------|------|-------|
| | | | | | | | | | | | | R | ES | S |
| 143TC | 5.875 | 4.5 | 2.75 | 0.16 | +0.12 | 6.5 | 4 | 3/8-16 | 0.56 | 0.886 | 2.12 | 0.768 | 1.41 | 0.188 |
| 145TC | 5.875 | 4.5 | 2.75 | 0.16 | +0.12 | 6.5 | 4 | 3/8-16 | 0.56 | 0.886 | 2.12 | 0.768 | 1.41 | 0.188 |
| 182TC | 7.25 | 8.5 | 3.5 | 0.25 | +0.12 | 9 | 4 | 1/2-13 | 0.75 | 1.125 | 2.62 | 0.98 | 1.78 | 0.25 |
| 184TC | 7.25 | 8.5 | 3.5 | 0.25 | +0.12 | 9 | 4 | 1/2-13 | 0.75 | 1.125 | 2.62 | 0.98 | 1.78 | 0.25 |
| 213TC | 7.25 | 8.5 | 4.25 | 0.25 | +0.25 | 9 | 4 | 1/2-13 | 0.75 | 1.378 | 3.12 | 1.181 | 2.41 | 0.315 |
| 215T | 7.25 | 8.5 | 4.25 | 0.25 | +0.25 | 9 | 4 | 1/2-13 | 0.75 | 1.378 | 3.12 | 1.181 | 2.41 | 0.315 |
| 254TC | 7.25 | 8.5 | 4.75 | 0.25 | +0.25 | 10 | 4 | 1/2-13 | 0.75 | 1.625 | 3.75 | 1.417 | 2.91 | 0.375 |
| 256TC | 7.25 | 8.5 | 4.75 | 0.25 | +0.25 | 10 | 4 | 1/2-13 | 0.75 | 1.625 | 3.75 | 1.417 | 2.91 | 0.375 |
| 284TSC | 9 | 10.5 | 4.75 | 0.25 | +0.25 | 11.25 | 4 | 1/2-13 | 0.75 | 1.625 | 3 | 1.417 | 1.91 | 0.375 |
| 284TC | 9 | 10.5 | 4.75 | 0.25 | +0.25 | 11.25 | 4 | 1/2-13 | 0.75 | 1.875 | 4.38 | 1.591 | 3.28 | 0.5 |
| 286TSC | 9 | 10.5 | 4.75 | 0.25 | +0.25 | 11.25 | 4 | 1/2-13 | 0.75 | 1.625 | 3 | 1.417 | 1.91 | 0.375 |
| 286TC | 9 | 10.5 | 4.75 | 0.25 | +0.25 | 11.25 | 4 | 1/2-13 | 0.75 | 1.875 | 4.38 | 1.591 | 3.28 | 0.5 |

Motor Warranty, Return and Sales Policies

Elektrim Motors reserves the right to change these policies as business conditions warrant.

Freight Policy

All electric motors are shipped FOB shipping point freight prepaid and add unless otherwise specified by the Buyer. Elektrim covers shipping and handling for standard ground delivery of regularly priced motors (excluding overstock and sale items) on a single order over \$3000.00 before tax and freight, on a carrier chosen by Elektrim, to a single destination within the continental United States. Other terms and conditions may apply for additional freight services, including, without limitation, expedited delivery, air freight, freight collect, export orders, hazardous materials, shipments outside the contiguous United States, or other special handling by the carrier. Any extra charges incurred for additional freight services must be paid by Buyer. Title and risk of loss pass to Buyer upon tender of shipment to the carrier. All Latin America export orders are shipped EX-WORKS Natick, MA or EX-WORKS Schaumburg, IL. See full Terms and Conditions for Latin American export sales.

Damaged or Lost Shipments

In the event of damaged or lost shipments: (a) If Buyer requested freight charges via collect or third party freight, Buyer is responsible for filing claim with carrier. Elektrim is not liable for merchandise damaged or lost by carrier; (b) If Elektrim paid pre-paid or no-charge freight, receiver of Goods must have the driver note the damage or shortage on the freight bill, and Buyer must notify Elektrim within 5 business days with pictures and explanation of damages. Keep damaged product and packaging until you are advised to dispose by Elektrim. Elektrim does not recommend shipping electric motors and related products over 40lbs via UPS or FedEx Ground. Buyers choosing UPS or FedEx Ground as their carrier for Elektrim products over 40 lbs must sign a shipping waiver or ship collect or third party billing, and are responsible for filing claim with carrier in the event of damage or loss. Shipping wavier provided by Elektrim upon request.

Motor Return Policy

Motor returns must be returned in original packaging, unused, undamaged and in saleable condition within 30 days after the date of shipment for a 20% restocking fee, unless otherwise indicated. Depending on circumstances, repackaging or other fees may apply. Proof of purchase is required in all cases, and Buyer must obtain a Returned Merchandise Authorization (RMA) from Elektrim prior to return. Buyer is responsible for freight charges on original order, and may be billed for freight paid out by Elektrim on original order. Original order freight charges are not reimbursable. Buyer is responsible for return freight and new freight charges on any replacement order. After 30 days motors cannot be returned. No credit will be issued on authorized returns due to the following conditions: (a) item has been used, and is not in resalable condition; (b) item has been modified by Buyer; (c) item has been damaged; or (d) item returned does not match item authorized for return. Unauthorized returns with no RMA and no paperwork will be processed, and no credit is due Buyer. Such returns are subject to be returned to Buyer, and freight charges for the return are the responsibility of the Buyer. In the unlikely event of motor failure, Elektrim will warrant the motor under the guidelines of the Elektrim Motor Limited Warranty and Service Policy. Elektrim does not offer stocking distributors a "stock-swap" policy, unless written authorization has been provided by Elektrim (additional terms and conditions apply).

Sourced Products

Elektrim Motors may procure products not available through the Elektrim Motors catalog or available on www.elektrimmotors.com for a Buyer from other sources ("Sourced Product(s)"). Sourced products are priced according to current market conditions on a per order basis, and are shipped FOB origin with freight and handling fee paid by Elektrim and charged to Buyer. Any charges for Other Freight Services are paid by Buyer. Special order products may require a 50% down-payment by the Buyer. ELEKTRIM'S LIMITED WARRANTY TERMS INCLUDED IN THESE TERMS AND CONDITIONS DO NOT APPLY TO SOURCED PRODUCTS. THE PRODUCT WARRANTY PROVIDED BY THE MANUFACTURER AND/OR SUPPLIER WILL BE BUYER'S SOLE REMEDY. All Sourced Products are sold on a "FINAL SALE" basis only, and no cancellations, returns, refunds or credits are allowed. Sourced and/or Special Order Products may be subject to advance deposits, prepayments, or other non-standard payment terms. At its discretion, Elektrim Motors may require non-cancelable purchase orders for any sourced or special order requests.

Custom Motor Order Policy

Buyer may order custom motors ("Custom Product(s)") created to Buyer's specifications. Elektrim is not responsible for verifying or confirming the accuracy of specifications provided by Buyer to Elektrim for Custom Products. ELEKTRIM'S LIMITED WARRANTY TERMS INCLUDED IN THESE TERMS AND CONDITIONS DO NOT APPLY TO CUSTOM PRODUCTS. THE PRODUCT WARRANTY PROVIDED BY THE MANUFACTURER AND/OR SUPPLIER WILL BE BUYER'S SOLE REMEDY. All Custom Products are sold on a "FINAL SALE" basis only, and no cancellations, returns, refunds or credits are allowed. Buyer order products may require a 50% down-payment by the Buyer.

Limited Warranty

Elektrim Motors and its employees are proud of our products and are committed to providing our customers and end users with the best designed and manufactured electric motors. This Limited Warranty and Service Policy describes the Elektrim warranty and warranty procedures.

Scope of Warranty: All Elektrim motors are warranted against defect in workmanship and materials.

Warranty Period: Elektrim motors are warranted for (Part Number Prefixes 20J, 20M, 20N, 31N, 32N, 34N, 40J, 40M, 40N, 60N, 77N: 36 months; 36, 38, 39, 79: 12 months) from the date of shipment to Buyer from the Elektrim warehouse or, if applicable, any consigned inventory

or district warehouse. All warranty claims must be submitted to Elektrim Motors prior to expiration of the warranty period.

Procedure to Receive Warranty Service: Buyers must contact Elektrim Motors and receive authorization prior to obtaining warranty service. Elektrim is not liable for cost of modifications or repairs performed to Elektrim motors if warranty authorization was not obtained. Buyers seeking warranty authorization must fill out and submit to Elektrim the Motor Warranty Service Report indicating the defect or problem, a description of the way in which the motor was used, your name, address and phone number. The Warranty Service Report can be obtained by contacting Elektrim or at <https://www.toolmex.com/cb-Support/SupportDocuments.aspx>.

Warranty Service Center Locations: Warranty service is available for all Elektrim motors from all Elektrim Authorized Service Centers. A list of service centers is available by contacting Elektrim at 2015 S. Mitchell Blvd., Schaumburg, IL 60193, 1-855-GO-ELEKTRIM (855-463-5358) or by email at warranty@elektrimmotors.com.

Repair by Other than an Elektrim Authorized Service Center: Buyers who are unable to take or ship the Elektrim motor to an Elektrim Authorized Service Center, or those who desire that there be made an alternative facility must contact Elektrim to receive a written authorization. Modifications or repairs performed to Elektrim motors by non-authorized service providers will void the warranty.

Repairs or Replacement Within the Scope of the Warranty: If an Elektrim motor is defective due to Elektrim workmanship or materials and the defect occurs during the warranty period, Elektrim will either repair the product, issue credit or replace it with a new one, whichever Elektrim believes to be appropriate under the circumstances. Elektrim will pay domestic freight on replacement motors (and only if requested by Elektrim, motors returned to Elektrim) as a result of warranty. Elektrim will not pay freight for any returned motors as a result of warranty, if the return was not requested by Elektrim in writing. ELEKTRIM IS NOT RESPONSIBLE FOR REMOVAL AND SHIPPING OF THE ELEKTRIM MOTOR TO THE SERVICE CENTER, REINSTALLATION OF THE ELEKTRIM MOTOR UPON ITS RETURN TO THE BUYER, OR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE DEFECT, REMOVAL, REINSTALLATION, SHIPMENT OR OTHERWISE.

Repairs Outside the Scope of Warranty: Problems with Elektrim motors can be due to improper maintenance, faulty installation, non-Elektrim additions or modifications, or other problems not due to defects in workmanship or materials. If the Elektrim Authorized Service Center determines that the problem with an Elektrim motor is not due to defects in workmanship or materials, then the Buyer will be responsible for the cost of any necessary repairs. Buyers not satisfied with a determination that a problem is outside warranty coverage should contact Elektrim Motors.

Intended Use: Elektrim motors are designed for commercial and/or industrial use.

Product Specification: All motor specifications, applications and other information provided in Elektrim catalogs and publications are subject to correction and change without notice and should be confirmed with Elektrim Motors prior to ordering.

No Other Warranties and Liability Limitation: This Limited Warranty and Service Policy represents Elektrim Motors' sole and exclusive warranty obligation with respect to Elektrim motors. Elektrim Motor's liability to a Buyer or any other person shall not exceed the Elektrim Motors sales price of the applicable motor. ELEKTRIM DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY.

Authorized Service Center Policy

The requirements for becoming an Elektrim Authorized Center are as follows:

- The repair shop must be a member of EASA (any exceptions must be approved).
- The repair shop must subscribe to and implement EASA standards for testing and repair.
- The repair shop must abide by the Elektrim Authorized Service Center Policy procedures and fee schedule.

Procedures:

1. Write or call Elektrim Motors prior to performing work on our product.
2. Once clearance is given, inspect motor for failure due to workmanship or material defect.
3. Prepare Elektrim Warranty report on motor failure cause.
4. Forward a detailed copy of report and nameplate to Elektrim for review. Actual report and nameplate will need to be in Elektrim files at 2015 S. Mitchell Blvd., Schaumburg, IL 60193.
5. Elektrim will make the final determination as to repair or replace.
6. Elektrim reserves the right to supply all motor parts necessary for motor repair.

Fee Schedule; Frame Inspection Fee Maximum

| | | | | | |
|------------|---------|------------|----------|------------|----------|
| 140 frames | \$35.00 | 280 frames | \$60.00 | 440 frames | \$125.00 |
| 180 frames | \$40.00 | 320 frames | \$65.00 | 580 frames | \$150.00 |
| 210 frames | \$45.00 | 360 frames | \$80.00 | | |
| 250 frames | \$50.00 | 400 frames | \$100.00 | | |

Comments and Questions: We welcome comments and questions regarding our products. Please contact Customer Service at: 855-Go-Elektrim (855-463-5358) or support@elektrimmotors.com

Any comments, ideas, suggestions or other communications sent to Elektrim shall be and remain the exclusive property of Elektrim and can be used by Elektrim in any manner without compensation to you.

Frequently Asked Questions – Mechanical

On vertical mounting, is it okay to mount your motors both shaft up and down?

Yes. In general, motors up to 445T frame can be mounted vertically shaft up and down. Motors installed vertically must be protected from weather conditions. Larger motors are horizontal operation only. See individual product pages for details.

On motors, are the fans UNI or bidirectional?

All NEMA motors are equipped with bidirectional fans.

Is it better to install a DE roller bearing on the motors?

It depends on the application. A DE roller bearing is always preferred for belted drive applications. In direct coupling applications, always use ball bearing motors.

What kind of bearings do you use on your motors?

32N Series motors up to 215T frame and 20, 31N and 40 Series motors up to NEMA 286T and IEC180L frame are equipped with oversized double-shielded bearings. Larger motors have oversized regreasable bearings. See individual product pages for details.

What kind of grease should I use to re-grease your bearings?

We use lithium grease in our regreasable bearings, e.g. POLYREX® EM or other equivalent mineral motor grease. Please look to manual for details and regreasing schedule.

Do I have to re-grease the bearings of a new motor?

It depends on how long the motor was stocked. Every motor with regreasable bearings which has been stocked for over 6 months has to be re-greased before usage.

How often should I re-grease the bearings?

It depends on the motor's RPM and usage. Regreasable bearings should be re-greased according to the recommendation in the manual of that particular motor.

Where is the junction box located on your Metric motors?

Metric IE2 and IE3 (20M) and (40M motors up to IEC180 frame) have the junction box on top of the motor. Metric (40M motors IEC200 - IEC315) have the junction box in the F2 position which is convertible to F1.

Should the drain holes always be opened?

The drain holes have to be open when the motor is operating in a high humidity atmosphere or low temperature environment.

What does IM B35 mean for Metric motors?

It means that the motors are equipped with D-Flange and Feet. Other descriptions are as follows: IM B3 = Footed, IM B34 = C-Face and Footed.

At what frame does the factory begin locking the shaft before shipment?

NEMA motors starting from 320T frame and Metric motors starting from IEC200 frame have shafts locked prior to shipment.

Do your motors have removable feet?

We offer removable feet on our motors as follows: 20N series 324T frame and up; Metric 20M and 40M series up to IEC132 frame. Metric 20M and 40M series from IEC90 - IEC112 frame also have rotatable feet.

Do you offer brake motors with flanges?

Yes. NEMA and Metric Brake motors are offered with all the same flanges as standard motors.

Can I convert your standard NEMA motor to F2 position?

All 31N, 32N, 40N and 20N series motors up to 286T frame can be converted to F2 position. Rolled Steel and 580 frame motors are F1 only.

Do you offer D-Flange NEMA motors?

We offer D-Flanges for 31N series motors ranging from 143TD-365TD and 20N series motors ranging from 324TD - 445TD.

Do your motors have a threaded hole inside the end shaft?

All Metric motors have a threaded hole inside the end shaft according to IEC standard (See page 59 - Metric IEC and NEMA Dimensional Comparison and Bearing Charts page for details). NEMA 20N and 40N series motors 320T up to 449T frame have a M20 threaded hole.

When are blowers required on your motors?

Blowers will be required for all constant torque applications where the turn down ration exceeds VFD capability.

Frequently Asked Questions – Electrical

Are your motors Inverter Rated?

Yes. All three phase motors are inverter duty rated. See individual product pages for specific inverter duty ratings for each product group.

Are your NEMA motors suitable for Y/Delta and Part Winding starting?

Yes. In general, standard motors starting from 213T frame are suitable for Y/Delta starting at 460V. Motors up to 100HP are suitable for Part Winding at 230V and motors 125HP and up are suitable for Part Winding starting at 460V. See individual product pages for specific starting for each product group.

Can your NEMA motors run at 208V?

NEMA Motors up to 400 frame are suitable at 208V. The connection diagram is the same as 230V. Max amps at 208V are placed on the nameplate.

Do you offer dual-rated motors for 60Hz / 50Hz?

All 3-Phase motors are dual rated for 60/50Hz on the standard nameplate. See individual product pages for specific rating information for each product group.

Do you offer 575V motors from stock?

Yes. NEMA motors 1-100HP and Metric motors IEC132 and larger can be re-rated to 575V with nominal HP.

Do you offer motors with non-standard voltages and HP?

Many NEMA and metric motors can be re-rated for different voltages, HP and/or frequency based on application, duty cycle, ambient temperature and service factor required. Please contact Elektrim Motors Customer Support to discuss your special application requirements.

What brake type do you use on your Brake motors – DC or AC?

Our Brake motors are equipped with DC disc brake with a 460V AC rectifier placed inside the junction box.

On request, the 460V AC rectifier can be replaced with a 230V AC rectifier.

Can I order a NEMA motor with a terminal board?

Yes. We offer NEMA motors with optional terminal boards.

Do you offer terminal boards on your Metric motors?

Yes. Elektrim Metric motors up to 112M frame are equipped with terminal boards as standard. Metric motors starting from IEC132 have 12 leads (Double Delta / Delta connection diagram at 230/460V) and can be equipped with optional terminal board.

Do you offer motors with thermal sensors?

Explosion Proof, 20 and 40 Series motors starting from 320 frame (including Metric 200L and up) are equipped with thermistors in windings as standard. Other motors can be equipped with different thermal sensors as an option.

Must an inductor be used between motor and drive?

Any motor connected to an inverter drive with power leads that exceed 100 ft. should have an inductor between the motor and drive.

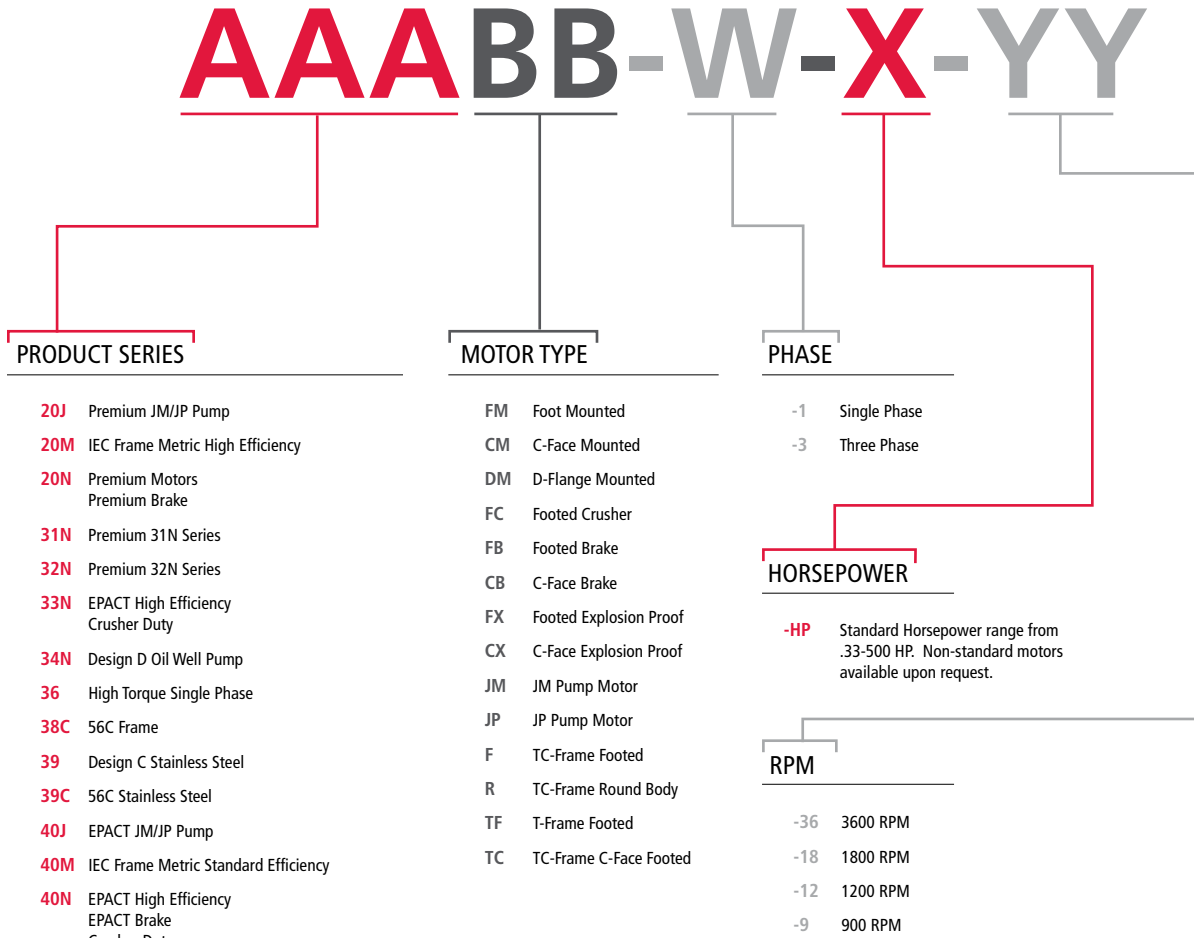
What kind of starter do you prefer for your motors?

We prefer starters that include a circuit breaker, contactor and overload. A II starters should be sized according to National Electrical Code.

What are your windings made out of?

Stator windings are made out of copper. The rotor cage is made out of aluminum alloy.

Motor Part Number Nomenclature



When the product series contains a letter after its 2-digit prefix, it implies the following:

- J** JM or JP Close Coupled Pump Motor
- C** 56C Frame Motor
- M** IEC Frame Metric Motor
- N** NEMA Frame Motor

ADDITIONAL SUFFIXES

added to the end of Part Number where applicable:

- /F2 = F2 Conduit Box
- CI = All Cast Iron
- /1 = Non-Standard C-Face Metric Motor.

Which Motor Belongs to What Series

We utilize the term "series" to distinguish groups of our motors within a particular product line that have the same set of unique features and country of manufacture. For customer ease, the series is the same as the part number prefix, and is usually the first 2 digits and succeeding letter. For example, the series that motor part number 31NFM-3-5-18 belongs to is "31N."

Catalog Notes

- V Vacuum pressure impregnation (VPI) applied.
- 1 Motor is CSA certified for Class I, Division II, Group A,B,C,D Temp Code T3C rating.
- 2 VFD capability 100:1VT
- 3 High locked rotor torque.
- 4 F1/F2 convertible.
- 5 UL recognized.
- 6 Oversized ball bearings on both ends.
- 7 Roller bearing on drive end.
- 8 Corrosion resistant epoxy coated.
- 9 Double drilled feet.
- 10 Usable for vertical applications.
- 11 Impregnation resin and winding wire Class "H" (DN2E200).
- 12 Low vibration level (below 2.2mm/sec).
- 13 Equipped with removable feet.
- 14 Equipped with rotatable feet.
- 15 Double shielded bearings.
- 16 Regreasable bearings.
- 17 Aluminum motor housing
- 18 Cast iron motor housing.
- 19 Terminal board as standard.
- 20 12 lead motors allow for 208/230/460/575/796V 60 Hz and 190/220/380/400/415/690V 50 Hz.
- 21 Suitable for part winding starting at 460V.
- 22 9 leads connection diagram double wye/wye.
- 23 12 leads connection diagram double delta/delta.
- 24 12 leads double delta.
- 25 Plastic fan as standard.
- 26 Cast iron fan as standard.
- 27 VFD capability 5:1CT & 10:1VT.
- 28 VFD capability 10:1CT & 20:1VT.
- 29 VFD capability 3:1CT & 5:1VT.
- 30 Motor rated 380V 50 Hz with lower HP output.
- 31 TENV Totally enclosed non-ventilated motor.
- 32 Special 12-lead 575V "S" wiring diagram suitable for D-O-L and soft start startup only.
- 33 575V "Y" 9-lead wiring diagram
- 34 Rectifier is exclusively 460V AC (or 230V AC on request)

Standards

NEMA Premium® motors comply with the following NEMA and CSA standards:

NEMA MG 1-2011
CSA C390-10
IEEE 112-2004
CSA-C22.2 No. 100-04
UL 1004-1

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Scan and Explore

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ADDENDUM



IEC Frame Metric Motors – 1-25 HP

3PH TEFC 50/60 Hz AC B35 Reduction D-Flange Motors

Applications: Designed to meet international standards as replacement motors for overseas applications and machinery such as pumps, conveyors, fans and more.

Features

- Inverter Duty Rated: 5:1CT & 10:1VT at 460V 60 Hz
- Service Factor: up to 1.2 at 460V 60 Hz
- Design: "N" or "H"
- Protection Degree: IP55
- Enclosure: TEFC
- High lock rotor torque
- VPI process applied for best electrical performance
- IEC132 frame and larger suitable for Y/Delta starting
- Electromagnetic compatibility standards: EN 50081-1(2) and EN 50082-1(2)
- Nameplate rated 230/460V 60 Hz and 380/400V 50 Hz
- Oversized ball bearings on both ends for direct coupling
- Class "F" insulation
- Junction box equipped with glands
- F3 mounting position
- Drilled and tapped end shaft
- Drain plugs
- Bidirectional fan
- All motors provided with CE mark
- Warranty: 3-Years

| HP | kW | RPM | Frame | EFF | PF | Voltage | Full Load Amps | IEC Class | IEC Design | Net Weight | D-Flange B35 Reduction Part Number | List Price | Notes (a) |
|-----|------|------|-------|------|----|----------|----------------|-----------|------------|------------|------------------------------------|------------|----------------|
| 1 | 0.75 | 1200 | 90S | 80 | 65 | 230/460V | 3.6/1.8 | IE2 | H | 36.4 | 20MDM-3-1-12/R | 716.00 | 13,14,15,17,19 |
| 1.5 | 1.1 | 1800 | 90S | 84 | 72 | 230/460V | 4.6/2.3 | IE2 | H | 36 | 20MDM-3-1.5-18/R | 690.00 | 13,14,15,17,19 |
| 2 | 1.5 | 3600 | 90S | 85.5 | 79 | 230/460V | 5.6/2.8 | IE3 | N | 31 | 20MDM-3-2-36/R | 671.00 | 13,14,15,17,19 |
| | | 1800 | 90L | 84 | 74 | 230/460V | 6/3 | IE2 | H | 42 | 20MDM-3-2-18/R | 731.00 | 13,14,15,17,19 |
| 3 | 2.2 | 3600 | 90L | 86.5 | 80 | 230/460V | 8/4 | IE3 | N | 38 | 20MDM-3-3-36/R | 832.00 | 13,14,15,17,19 |
| | | 1800 | 100L | 87.5 | 79 | 230/460V | 8/4 | IE2 | H | 56 | 20MDM-3-3-18/R | 823.00 | 13,14,15,17,19 |
| | | 1200 | 112M | 87.5 | 72 | 230/460V | 8.8/4.4 | IE2 | H | 71 | 20MDM-3-3-12/R | 1,237.00 | 13,14,15,17,19 |
| 4 | 3 | 3600 | 100L | 88.5 | 81 | 230/460V | 10.6/5.3 | IE3 | N | 59 | 20MDM-3-4-36/R | 921.00 | 13,14,15,17,19 |
| | | 1800 | 100L | 87.5 | 74 | 230/460V | 11.6/5.8 | IE2 | H | 66 | 20MDM-3-4-18/R | 947.00 | 13,14,15,17,19 |
| | | 1200 | 132S | 87.5 | 76 | 230/460V | 11.4/5.7 | IE2 | H | 119 | 20MDM-3-4-12/R | 1,633.00 | 13,15,18,20,23 |
| 5.5 | 4 | 3600 | 112M | 89 | 85 | 230/460V | 13.2/6.6 | IE3 | N | 74 | 20MDM-3-5.5-36/R | 1,012.00 | 13,14,15,17,19 |
| | | 1800 | 112M | 87.5 | 78 | 230/460V | 14.8/7.4 | IE2 | H | 78 | 20MDM-3-5.5-18/R | 1,010.00 | 13,14,15,17,19 |
| | | 1200 | 132M | 87.5 | 76 | 230/460V | 15/7.5 | IE2 | H | 146 | 20MDM-3-5.5-12/R | 1,643.00 | 13,15,18,20,23 |
| 7.5 | 5.5 | 3600 | 132S | 89.5 | 88 | 230/460V | 17.6/8.8 | IE3 | N | 132 | 20MDM-3-7.5-36/R | 1,254.00 | 13,15,18,20,23 |
| | | 1800 | 132S | 89.5 | 79 | 230/460V | 19.6/9.8 | IE2 | H | 156 | 20MDM-3-7.5-18/R | 1,426.00 | 13,15,18,20,23 |
| | | 1200 | 132M | 89.5 | 77 | 230/460V | 22.4/11.2 | IE2 | H | 159 | 20MDM-3-7.5-12/R | 2,668.00 | 13,15,18,20,23 |
| 10 | 7.5 | 3600 | 132S | 90.2 | 91 | 230/460V | 23/11.5 | IE3 | N | 156 | 20MDM-3-10-36/R | 1,419.00 | 13,15,18,20,23 |
| | | 1800 | 132M | 89.5 | 80 | 230/460V | 26.2/13.1 | IE2 | H | 162 | 20MDM-3-10-18/R | 1,638.00 | 13,15,18,20,23 |
| | | 1200 | 160M | 89.5 | 80 | 230/460V | 26.2/13.1 | IE2 | H | 221 | 20MDM-3-10-12/R | 2,764.00 | 15,18,20,23 |
| 15 | 11 | 3600 | 160M | 91 | 86 | 230/460V | 35.2/17.6 | IE3 | N | 212 | 20MDM-3-15-36/R | 1,978.00 | 15,18,20,23 |
| | | 1800 | 160M | 91 | 80 | 230/460V | 38/19 | IE2 | H | 234 | 20MDM-3-15-18/R | 2,030.00 | 15,18,20,23 |
| | | 1200 | 160L | 90.2 | 82 | 230/460V | 37.4/18.7 | IE2 | H | 276 | 20MDM-3-15-12/R | 3,281.00 | 15,18,20,23 |
| 20 | 15 | 3600 | 160M | 91 | 89 | 230/460V | 46.4/23.2 | IE3 | N | 227 | 20MDM-3-20-36/R | 2,344.00 | 15,18,20,23 |
| | | 1800 | 160L | 91 | 80 | 230/460V | 51.8/25.9 | IE2 | H | 278 | 20MDM-3-20-18/R | 2,437.00 | 15,18,20,23 |
| 25 | 18.5 | 3600 | 160L | 91.7 | 90 | 230/460V | 56.2/28.1 | IE3 | N | 260 | 20MDM-3-25-36/R | 2,827.00 | 15,18,20,23 |

Performance Data & Mounting Dimensions: 20M Series Pages 78-84

Premium Efficient Motors

Motors can be modified from Footed to C-Face or D-Flange and vice versa.
Motors are dual rated for 50 Hz and 60 Hz: 380/400V 50 Hz and 230/460V 60 Hz
(a) See notes on inside back cover.





IEC Frame Metric Motors – 0.08-20 HP

3PH TEFC 50/60 Hz AC B34/1 Increased C-Face Motors

Applications: Designed to meet international standards as replacement motors for overseas applications and machinery such as pumps, conveyors, fans and more.

Features

- Inverter Duty Rated: 5:1CT & 10:1VT at 460V 60 Hz
- Service Factor: up to 1.2 at 460V 60 Hz
- Design: "N" or "H"
- Protection Degree: IP55
- Enclosure: TEFC
- High lock rotor torque
- VPI process applied for best electrical performance
- IEC132 frame and larger suitable for Y/Delta starting
- Electromagnetic compatibility standards: EN 50081-1(2) and EN 50082-1(2)
- Nameplate rated 230/460V 60 Hz and 380/400V 50 Hz
- Non-standard B34/1 C-Flange available upon request
- Oversized ball bearings on both ends for direct coupling
- Class "F" insulation
- Junction box equipped with glands
- F3 mounting position
- Drilled and tapped end shaft
- Drain plugs
- Bidirectional fan
- All motors provided with CE mark
- Warranty: 3-Years

| HP | kW | RPM | Frame | EFF | PF | Voltage | Full Load Amps | IEC Class | IEC Design | Net Weight | C-Face B34/1 Increased Part Number | List Price | Notes ^(a) |
|------|------|------|-------|------|----|----------|----------------|-----------|------------|------------|------------------------------------|------------|----------------------|
| 0.08 | 0.06 | 1800 | 56 | 55 | 66 | 230/460V | 0.44/0.22 | IE1 | – | 5.9 | 40MCM-3-.08-18/1 | 220.00 | 13,15,17,19 |
| | | 3600 | 56 | 58 | 75 | 230/460V | 0.56/0.28 | IE1 | – | 6.6 | 40MCM-3-.12-36/1 | 227.00 | 13,15,17,19 |
| 0.12 | 0.09 | 1800 | 56 | 61 | 65 | 230/460V | 0.6/0.3 | IE1 | – | 6.4 | 40MCM-3-.12-18/1 | 227.00 | 13,15,17,19 |
| | | 3600 | 56 | 63 | 83 | 230/460V | 0.6/0.3 | IE1 | – | 7.5 | 40MCM-3-.17-36/1 | 231.00 | 13,15,17,19 |
| 0.17 | 0.12 | 1800 | 63 | 64 | 72 | 230/460V | 0.7/0.35 | IE1 | – | 7.9 | 40MCM-3-.17-18/1 | 235.00 | 13,15,17,19 |
| | | 3600 | 63 | 65 | 80 | 230/460V | 1/0.5 | IE1 | – | 7.9 | 40MCM-3-.25-36/1 | 237.00 | 13,15,17,19 |
| 0.25 | 0.18 | 1800 | 63 | 64 | 70 | 230/460V | 1.1/0.55 | IE1 | – | 9.3 | 40MCM-3-.25-18/1 | 243.00 | 13,15,17,19 |
| | | 1200 | 71 | 57 | 68 | 230/460V | 1.4/0.7 | IE1 | – | 10.8 | 40MCM-3-.25-12/1 | 275.00 | 13,15,17,19 |
| | | 3600 | 63 | 68 | 83 | 230/460V | 1.1/0.55 | IE1 | – | 9.3 | 40MCM-3-.33-36/1 | 250.00 | 13,15,17,19 |
| 0.33 | 0.25 | 1800 | 71 | 66 | 68 | 230/460V | 1.4/0.7 | IE1 | – | 10.6 | 40MCM-3-.33-18/1 | 250.00 | 13,15,17,19 |
| | | 1200 | 71 | 55 | 70 | 230/460V | 1.8/0.9 | IE1 | – | 12.8 | 40MCM-3-.33-12/1 | 291.00 | 13,15,17,19 |
| | | 3600 | 71 | 71 | 68 | 230/460V | 1.8/0.9 | IE1 | – | 11.7 | 40MCM-3-.50-36/1 | 267.00 | 13,15,17,19 |
| 0.5 | 0.37 | 1800 | 71 | 68 | 68 | 230/460V | 2/1 | IE1 | – | 13 | 40MCM-3-.50-18/1 | 267.00 | 13,15,17,19 |
| | | 1200 | 80 | 64 | 64 | 230/460V | 2.4/1.2 | IE1 | – | 16 | 40MCM-3-.50-12/1 | 352.00 | 13,15,17,19 |
| | | 3600 | 71 | 75 | 85 | 230/460V | 2.4/1.2 | IE1 | – | 13.2 | 40MCM-3-.75-36/1 | 291.00 | 13,15,17,19 |
| 0.75 | 0.55 | 1800 | 80 | 70 | 72 | 230/460V | 3/1.5 | IE1 | – | 16.5 | 40MCM-3-.75-18/1 | 332.00 | 13,15,17,19 |
| | | 1200 | 80 | 67 | 72 | 230/460V | 3.2/1.6 | IE1 | – | 19 | 40MCM-3-.75-12/1 | 396.00 | 13,15,17,19 |
| | | 3600 | 80 | 74 | 80 | 230/460V | 3.2/1.6 | IE1 | – | 17.2 | 40MCM-3-1-36/1 | 364.00 | 13,15,17,19 |
| 1 | 0.75 | 1800 | 80 | 75 | 73 | 230/460V | 3.4/1.7 | IE1 | – | 19.4 | 40MCM-3-1-18/1 | 339.00 | 13,15,17,19 |
| | | 1200 | 90S | 80 | 65 | 230/460V | 3.6/1.8 | IE2 | H | 36.4 | 20MCM-3-1-12/1 | 716.00 | 13,14,15,17,19 |
| | | 3600 | 80 | 77 | 84 | 230/460V | 4.4/2.2 | IE1 | – | 20.1 | 40MCM-3-1.5-36/1 | 395.00 | 13,15,17,19 |
| 1.5 | 1.1 | 1800 | 90S | 84 | 72 | 230/460V | 4.6/2.3 | IE2 | H | 36 | 20MCM-3-1.5-18/1 | 690.00 | 13,14,15,17,19 |
| | | 3600 | 90S | 85.5 | 79 | 230/460V | 5.6/2.8 | IE3 | N | 31 | 20MCM-3-2-36/1 | 671.00 | 13,14,15,17,19 |
| 2 | 1.5 | 1800 | 90L | 84 | 74 | 230/460V | 6/3 | IE2 | H | 42 | 20MCM-3-2-18/1 | 731.00 | 13,14,15,17,19 |

Performance Data & Mounting Dimensions: 20M Series Pages 78-84, 40M Series Pages 77-84

Premium Efficient Motors

Motors can be modified from Footed to C-Face or D-Flange and vice versa. Motors are dual rated for 50 Hz and 60 Hz: 380/400V 50 Hz and 230/460V 60 Hz

^(a) See notes on inside back cover.



IEC Frame Metric, 3-Phase, AC B34/1 Increased C-Face Motors

| HP | kW | RPM | Frame | EFF | PF | Voltage | Full Load Amps | IEC Class | IEC Design | Net Weight | C-Face B34/1 Increased Part Number | List Price | Notes ^(a) |
|-----|-----|------|-------|------|----|----------|----------------|-----------|------------|------------|------------------------------------|------------|----------------------|
| 3 | 2.2 | 3600 | 90L | 86.5 | 80 | 230/460V | 8/4 | IE3 | N | 38 | 20MCM-3-3-36/1 | 832.00 | 13,14,15,17,19 |
| | | 1800 | 100L | 87.5 | 79 | 230/460V | 8/4 | IE2 | H | 56 | 20MCM-3-3-18/1 | 823.00 | 13,14,15,17,19 |
| | | 1200 | 112M | 87.5 | 72 | 230/460V | 8.8/4.4 | IE2 | H | 71 | 20MCM-3-3-12/1 | 1,237.00 | 13,14,15,17,19 |
| 4 | 3 | 3600 | 100L | 88.5 | 81 | 230/460V | 10.6/5.3 | IE3 | N | 59 | 20MCM-3-4-36/1 | 921.00 | 13,14,15,17,19 |
| | | 1800 | 100L | 87.5 | 74 | 230/460V | 11.6/5.8 | IE2 | H | 66 | 20MCM-3-4-18/1 | 947.00 | 13,14,15,17,19 |
| | | 1200 | 132S | 87.5 | 76 | 230/460V | 11.4/5.7 | IE2 | H | 119 | 20MCM-3-4-12/1 | 1,633.00 | 13,15,18,20,23 |
| 5.5 | 4 | 3600 | 112M | 89 | 85 | 230/460V | 13.2/6.6 | IE3 | N | 74 | 20MCM-3-5-5-36/1 | 1,012.00 | 13,14,15,17,19 |
| | | 1800 | 112M | 87.5 | 78 | 230/460V | 14.8/7.4 | IE2 | H | 78 | 20MCM-3-5-5-18/1 | 1,010.00 | 13,14,15,17,19 |
| | | 1200 | 132M | 87.5 | 76 | 230/460V | 15/7.5 | IE2 | H | 146 | 20MCM-3-5-5-12/1 | 1,643.00 | 13,15,18,20,23 |
| 7.5 | 5.5 | 3600 | 132S | 89.5 | 88 | 230/460V | 17.6/8.8 | IE3 | N | 132 | 20MCM-3-7.5-36/1 | 1,254.00 | 13,15,18,20,23 |
| | | 1800 | 132S | 89.5 | 79 | 230/460V | 19.6/9.8 | IE2 | H | 156 | 20MCM-3-7.5-18/1 | 1,426.00 | 13,15,18,20,23 |
| | | 1200 | 132M | 89.5 | 77 | 230/460V | 22.4/11.2 | IE2 | H | 159 | 20MCM-3-7.5-12/1 | 2,668.00 | 13,15,18,20,23 |
| 10 | 7.5 | 3600 | 132S | 90.2 | 91 | 230/460V | 23/11.5 | IE3 | N | 156 | 20MCM-3-10-36/1 | 1,419.00 | 13,15,18,20,23 |
| | | 1800 | 132M | 89.5 | 80 | 230/460V | 26.2/13.1 | IE2 | H | 162 | 20MCM-3-10-18/1 | 1,638.00 | 13,15,18,20,23 |
| | | 1200 | 160M | 89.5 | 80 | 230/460V | 26.2/13.1 | IE2 | H | 221 | 20MCM-3-10-12/1 | 2,764.00 | 15,18,20,23 |
| 15 | 11 | 3600 | 160M | 91 | 86 | 230/460V | 35.2/17.6 | IE3 | N | 212 | 20MCM-3-15-36/1 | 1,978.00 | 15,18,20,23 |
| | | 1800 | 160M | 91 | 80 | 230/460V | 38/19 | IE2 | H | 234 | 20MCM-3-15-18/1 | 2,030.00 | 15,18,20,23 |
| | | 1200 | 160L | 90.2 | 82 | 230/460V | 37.4/18.7 | IE2 | H | 276 | 20MCM-3-15-12/1 | 3,281.00 | 15,18,20,23 |
| 20 | 15 | 3600 | 160M | 91 | 89 | 230/460V | 46.4/23.2 | IE3 | N | 227 | 20MCM-3-20-36/1 | 2,344.00 | 15,18,20,23 |
| | | 1800 | 160L | 91 | 80 | 230/460V | 51.8/25.9 | IE2 | H | 278 | 20MCM-3-20-18/1 | 2,437.00 | 15,18,20,23 |

Performance Data & Mounting Dimensions: 20M Series Pages 78-84, 40M Series Pages 77-84

Premium Efficient Motors

Motors can be modified from Footed to C-Face or D-Flange and vice versa.

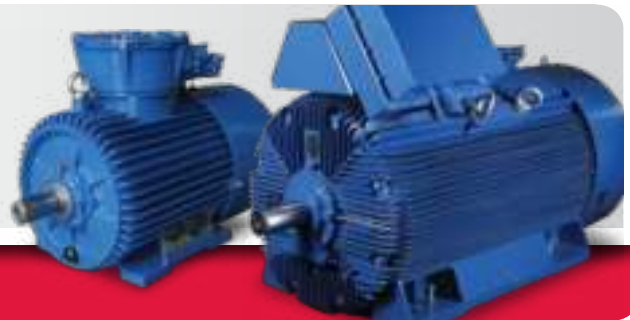
Motors are dual rated for 50 Hz and 60 Hz: 380/400V 50 Hz and 230/460V 60 Hz

^(a) See notes on inside back cover.

ADVANCED CAPABILITIES

Metric IEC

Large Frame Metric IEC motors up to 6300 HP,
Brake, Medium Voltage and more!



→ → → LEARN MORE pages 26-29

575V IEC Frame Metric Motors – 4-25 HP

3PH TEFC 60 Hz AC B35 Reduction D-Flange and B34 Increased C-Face Motors

Ordering Information: Motors are re-rated from stock models to 575V. Lead time for re-rates is (1) business day and is subject to availability of stock motors in the Schaumburg, Illinois Warehouse.

| HP | kW | RPM | Frame | Volt | D-Flange B35 Reduction Part Number | Motor List Price | Notes (a) |
|-----|------|------|-------|------|------------------------------------|------------------|-----------|
| 4 | 3 | 1200 | 132S | 575V | 20MDM-3-4-12/R/575 | 1,742.00 | 32 |
| 5.5 | 4 | 1200 | 132M | 575V | 20MDM-3-5.5-12/R/575 | 1,752.00 | 32 |
| 7.5 | 5.5 | 3600 | 132S | 575V | 20MDM-3-7.5-36/R/575 | 1,363.00 | 32 |
| | | 1800 | 132S | 575V | 20MDM-3-7.5-18/R/575 | 1,535.00 | 32 |
| | | 1200 | 132M | 575V | 20MDM-3-7.5-12/R/575 | 2,777.00 | 32 |
| 10 | 7.5 | 3600 | 132S | 575V | 20MDM-3-10-36/R/575 | 1,528.00 | 32 |
| | | 1800 | 132M | 575V | 20MDM-3-10-18/R/575 | 1,747.00 | 32 |
| | | 1200 | 160M | 575V | 20MDM-3-10-12/R/575 | 2,873.00 | 32 |
| 15 | 11 | 3600 | 160M | 575V | 20MDM-3-15-36/R/575 | 2,087.00 | 32 |
| | | 1800 | 160M | 575V | 20MDM-3-15-18/R/575 | 2,139.00 | 32 |
| | | 1200 | 160L | 575V | 20MDM-3-15-12/R/575 | 3,390.00 | 32 |
| 20 | 15 | 3600 | 160M | 575V | 20MDM-3-20-36/R/575 | 2,453.00 | 32 |
| | | 1800 | 160L | 575V | 20MDM-3-20-18/R/575 | 2,546.00 | 32 |
| 25 | 18.5 | 3600 | 160L | 575V | 20MDM-3-25-36/R/575 | 2,936.00 | 32 |

| HP | kW | RPM | Frame | Volt | C-Face B34 Increased Part Number | Motor List Price | Notes (a) |
|-----|-----|------|-------|------|----------------------------------|------------------|-----------|
| 4 | 3 | 1200 | 132S | 575V | 20MCM-3-4-12/1/575 | 1,742.00 | 32 |
| 5.5 | 4 | 1200 | 132M | 575V | 20MCM-3-5.5-12/1/575 | 1,752.00 | 32 |
| 7.5 | 5.5 | 3600 | 132S | 575V | 20MCM-3-7.5-36/1/575 | 1,363.00 | 32 |
| | | 1800 | 132S | 575V | 20MCM-3-7.5-18/1/575 | 1,535.00 | 32 |
| | | 1200 | 132M | 575V | 20MCM-3-7.5-12/1/575 | 2,777.00 | 32 |
| 10 | 7.5 | 3600 | 132S | 575V | 20MCM-3-10-36/1/575 | 1,528.00 | 32 |
| | | 1800 | 132M | 575V | 20MCM-3-10-18/1/575 | 1,747.00 | 32 |
| | | 1200 | 160M | 575V | 20MCM-3-10-12/1/575 | 2,873.00 | 32 |
| 15 | 11 | 3600 | 160M | 575V | 20MCM-3-15-36/1/575 | 2,087.00 | 32 |
| | | 1800 | 160M | 575V | 20MCM-3-15-18/1/575 | 2,139.00 | 32 |
| | | 1200 | 160L | 575V | 20MCM-3-15-12/1/575 | 3,390.00 | 32 |
| 20 | 15 | 3600 | 160M | 575V | 20MCM-3-20-36/1/575 | 2,453.00 | 32 |
| | | 1800 | 160L | 575V | 20MCM-3-20-18/1/575 | 2,546.00 | 32 |

Premium Efficient Motors

Motors can be modified from Footed to C-Face or D-Flange and vice versa.

(a) See notes on inside back cover.

For Standard Product Line Features and Specifications, visit pages 20-25.