

MAX-E1® FAMILY



AEHH8N, NEMA PREMIUM (1 HP - 500 HP) [EP]

AEHE, HIGH EFFICIENCY [E]

AEHH8NCF, NEMA PREMIUM, FOOTED C-FACE (1 HP - 300 HP) [EP_C]

AEUH8NDC, NEMA PREMIUM, ROUND BODY C-FACE (1 HP - 100 HP) [EPV_C]



Effective 07-08-18
Supersedes 03-24-17

APPLICATIONS:

- Fans & Blowers
- Pumps
- Crushers
- Compressors
- Mixers
- Conveyors
- Any Severe Duty/ Petro-Chem/
Pulp & Paper Application

FEATURES:

- Output Range: 3/4 - 800 HP
- Speed: 3600, 1800, 1200 & 900 RPM
- Enclosure: Totally Enclosed Fan Cooled (IP54 for 280 Frames and below, IP55 for 280TS Frames and above)
- Voltage: 230/460V (Usable on 208V); 150HP and Larger is 460V Only^(1,2)
- Three Phase, 60 Hz, 1.15 Service Factor (Continuous); 50 Hz, 1.0 Service Factor (Continuous)
- CSA Certified for Class I, Div. 2, Groups B, C, D - Temp Code T3 Minimum^(7,8)
- CSA Certified for Class II, Div. 2, Groups F & G - Temp Code T3 Minimum^(7,8,12) (444T and Above)
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques as a Minimum; Various Ratings also Meet Design C
- Cast Iron Frame, End Brackets & Fan Cover and Main Conduit Box⁽⁹⁾
- Grounding Terminal Inside Main Conduit Box
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - F1 Mounted
- Designed for 40°C Ambient Temperature⁽³⁾
- Designed for 3300 ft. Elevation⁽⁴⁾
- Bi-Directional Rotation; Except 2 Pole "Hybrid" and F# 5000 and Larger Ratings are Counter-Clockwise facing the DE
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction for F# 140T - 449T
Copper/Copper Alloy Rotor Construction for F# 5000 and Larger⁽¹⁰⁾
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Light Gray - Munsell N5.0
- Double Shielded Bearings Pre-Packed with MULTEMP SRL for F# 140T - 280T (Non-regreasable)
- High Quality Ball (or Roller) Bearings Regreasable with Mobil Polyrex™ EM for F# 280TS and Larger
- Automatic Grease Discharge Fittings on Regreasable Models
- Labyrinth Type Metal Flinger on Both Ends for F# 280TS and Larger
- Cast Iron Inner and Outer Bearing Caps for F#280TS and Larger
- Stainless Steel Nameplate
- New Dual Column Design Nameplate as Standard (60/50 Hz)
- Suitable for Inverter Use per NEMA MG-1 Part 31.4.4.2^(5,6,11)
- Inverter Duty Speed Range: 20:1 Variable Torque, 10:1 Constant Torque (350 HP and Larger are 3:1 Constant Torque)⁽¹¹⁾
- 9 Leads for 5 HP and Smaller;
- 12 Leads for 7.5 HP to 125 HP;
- 6 Leads for 150 HP and Larger
- Motors are U.L. Recognized, CSA Approved, CE Marked. ABS Design Assessment from 250 HP-800 HP⁽¹¹⁾
- Dual Drilled Feet Available on Most Ratings - Longer Frames (i.e. 145T Drilled also for 143T)
- 2-Pole Motors 600 HP and Larger are Form Wound and Insulated Non-Drive End Bearing
- Rubber Dust Flinger on Drive-End for F# 140T - 280T
- Catalog Numbers Ending in "R" Come Standard with Roller Bearings for Belted Applications.

EXTRAS/ OPTIONS:

Please refer to pages 147 - 154 for common modifications that can be performed.

Notes:

- (1) TWMC carries minimal MAX-E1® 575V stock; please check availability to ensure required motors are available. Ratings may be available from our Canadian warehouses at a higher price or from our factory with a longer lead time. Pricing and lead time may vary.
- (2) Motors 7.5 HP & up are Suitable for Wye/Delta Starting.
- (3) Consult a Stock Product Application Specialist for suitability in higher ambient environments.
- (4) Consult a Stock Product Application Specialist for suitability at higher elevations.
- (5) Motor service factor is 1.0 when operated on a VFD.
- (6) Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG-1. Part 31.
- (7) Catalog# EP3502, EP3504, EP4002T & EP4004T are "Hybrid" ratings; Not CSA Certified (Self-Certify Only) for hazardous locations, and not dual drilled.
- (8) Catalog# EP3006 also not CSA Certified for Hazardous Locations (Self-Certify Only).
- (9) F# 5000 and with Larger with Pressed Steel Plate Main Conduit Box.
- (10) F# 5007 - 5011 8 Pole Ratings are Aluminum Die Cast Squirrel Cage Rotor Construction.
- (11) EP4002T & EP4004T are hybrid frames and not VFD suitable.
- (12) Various temp codes apply to ratings. Consult a product specialist for accurate code.



| CATALOG NO. | HP | RPM | FRAME | FL EFF (%) | FL PF (%) | FL AMPS (460/575V) | APPROX. SHIPPING WT. (lbs.) |
|------------------------|------|------|-------|------------|-----------|--------------------|-----------------------------|
| EP0/78 | 0.75 | 900 | 145T | 84.0 | 81.5 | 10.9 | 59 |
| EP0/785 | 0.75 | 900 | 145T | 84.0 | 81.5 | 8.72 | 59 |
| EP0012 | 1 | 3600 | 143T | 82.5 | 85.0 | 1.34 | 65 |
| EP00125 | 1 | 3600 | 143T | 82.5 | 85.0 | 1.07 | 65 |
| EP0014 ^(C) | 1 | 1800 | 143T | 85.5 | 73.0 | 1.50 | 58 |
| EP00145 ^(C) | 1 | 1800 | 143T | 85.5 | 73.0 | 1.20 | 58 |
| EP0016 | 1 | 1200 | 145T | 82.5 | 65.5 | 1.73 | 83 |
| EP00165 | 1 | 1200 | 145T | 82.5 | 65.5 | 1.38 | 83 |
| EP0018 | 1 | 900 | 182T | 77.0 | 58.5 | 2.08 | 105 |
| EP00185 | 1 | 900 | 182T | 77.0 | 58.5 | 1.66 | 105 |
| EP1/52 | 1.5 | 3600 | 143T | 84.0 | 83.5 | 2.00 | 56 |
| EP1/525 | 1.5 | 3600 | 143T | 84.0 | 83.5 | 1.60 | 56 |
| EP1/54 ^(C) | 1.5 | 1800 | 145T | 86.5 | 78.0 | 2.08 | 80 |
| EP1/545 ^(C) | 1.5 | 1800 | 145T | 86.5 | 78.0 | 1.66 | 80 |
| EP1/56 | 1.5 | 1200 | 182T | 87.5 | 63.5 | 2.53 | 125 |
| EP1/565 | 1.5 | 1200 | 182T | 87.5 | 63.5 | 2.02 | 125 |
| EP1/58 | 1.5 | 900 | 184T | 78.5 | 60.5 | 2.96 | 125 |
| EP1/585 | 1.5 | 900 | 184T | 78.5 | 60.5 | 2.36 | 125 |
| EP0022 | 2 | 3600 | 145T | 86.5 | 86.0 | 2.52 | 95 |
| EP00225 | 2 | 3600 | 145T | 86.5 | 86.0 | 2.02 | 95 |
| EP0024 ^(C) | 2 | 1800 | 145T | 86.5 | 78.0 | 2.78 | 68 |
| EP00245 ^(C) | 2 | 1800 | 145T | 86.5 | 78.0 | 2.22 | 68 |
| EP0026 ^(C) | 2 | 1200 | 184T | 88.5 | 70.5 | 3.00 | 136 |
| EP00265 ^(C) | 2 | 1200 | 184T | 88.5 | 70.5 | 2.40 | 136 |
| EP0028 ^(C) | 2 | 900 | 213T | 85.5 | 68.0 | 3.22 | 173 |
| EP00285 ^(C) | 2 | 900 | 213T | 85.5 | 68.0 | 2.58 | 173 |
| EP0032 | 3 | 3600 | 182T | 88.5 | 90.0 | 3.53 | 125 |
| EP00325 | 3 | 3600 | 182T | 88.5 | 90.0 | 2.82 | 125 |
| EP0034 ^(C) | 3 | 1800 | 182T | 89.5 | 81.5 | 3.85 | 130 |
| EP00345 ^(C) | 3 | 1800 | 182T | 89.5 | 81.5 | 3.08 | 130 |
| EP0036 ^(C) | 3 | 1200 | 213T | 89.5 | 78.0 | 4.02 | 180 |
| EP00365 ^(C) | 3 | 1200 | 213T | 89.5 | 78.0 | 3.22 | 180 |
| EP0038 ^(C) | 3 | 900 | 215T | 85.5 | 66.0 | 4.98 | 192 |
| EP00385 ^(C) | 3 | 900 | 215T | 85.5 | 66.0 | 3.98 | 192 |
| EP0052 | 5 | 3600 | 184T | 88.5 | 92.5 | 5.72 | 145 |
| EP00525 | 5 | 3600 | 184T | 88.5 | 92.5 | 4.58 | 145 |
| EP0054 ^(C) | 5 | 1800 | 184T | 89.5 | 85.5 | 6.12 | 150 |
| EP00545 ^(C) | 5 | 1800 | 184T | 89.5 | 85.5 | 4.90 | 150 |
| EP0056 ^(C) | 5 | 1200 | 215T | 91.0 | 82.5 | 6.24 | 225 |
| EP00565 ^(C) | 5 | 1200 | 215T | 91.0 | 82.5 | 4.99 | 225 |
| EP0058 | 5 | 900 | 254T | 87.5 | 72.0 | 7.43 | 305 |
| EP00585 | 5 | 900 | 254T | 87.5 | 72.0 | 3.78 | 305 |

Notes:

- (1) To check stock or order 575V motors, add "5" to the end of Catalog Number, for example: "EP00545" for 5 HP, 1800 RPM, 575V.
- (C) Meets NEMA Design C Torque.



| CATALOG NO. | HP | RPM | FRAME | FL EFF (%) | FL PF (%) | FL AMPS (460/575V) | APPROX. SHIPPING WT. (lbs.) |
|-------------------------|-----|------|-------|------------|-----------|--------------------|-----------------------------|
| EP7/52 | 7.5 | 3600 | 213T | 91.0 | 89.0 | 8.67 | 200 |
| EP7/525 | 7.5 | 3600 | 213T | 91.0 | 89.0 | 6.94 | 200 |
| EP7/54 ^(C) | 7.5 | 1800 | 213T | 91.7 | 86.5 | 8.85 | 510 |
| EP7/545 ^(C) | 7.5 | 1800 | 213T | 91.7 | 86.5 | 7.08 | 510 |
| EP7/56 ^(C) | 7.5 | 1200 | 254T | 91.0 | 80.5 | 9.59 | 325 |
| EP7/565 ^(C) | 7.5 | 1200 | 254T | 91.0 | 80.5 | 7.67 | 325 |
| EP7/58 ^(C) | 7.5 | 900 | 256T | 87.5 | 74.0 | 10.8 | 365 |
| EP7/585 ^(C) | 7.5 | 900 | 256T | 87.5 | 74.0 | 8.6 | 365 |
| EP0102 | 10 | 3600 | 215T | 91.0 | 89.5 | 11.5 | 235 |
| EP01025 | 10 | 3600 | 215T | 91.0 | 89.5 | 9.2 | 235 |
| EP0104 ^(C) | 10 | 1800 | 215T | 91.7 | 88.0 | 11.6 | 265 |
| EP01045 ^(C) | 10 | 1800 | 215T | 91.7 | 88.0 | 9.28 | 265 |
| EP0106 ^(C) | 10 | 1200 | 256T | 91.0 | 80.5 | 12.8 | 380 |
| EP01065 ^(C) | 10 | 1200 | 256T | 91.0 | 80.5 | 10.24 | 380 |
| EP0108 ^(C) | 10 | 900 | 284T | 90.2 | 73.5 | 14.1 | 445 |
| EP01085 ^(C) | 10 | 900 | 284T | 90.2 | 73.5 | 11.28 | 445 |
| EP0152 | 15 | 3600 | 254T | 92.4 | 91.5 | 16.6 | 345 |
| EP01525 | 15 | 3600 | 254T | 92.4 | 91.5 | 13.28 | 345 |
| EP0154 ^(C) | 15 | 1800 | 254T | 92.4 | 88.0 | 17.3 | 360 |
| EP01545 ^(C) | 15 | 1800 | 254T | 92.4 | 88.0 | 13.84 | 360 |
| EP0156 ^(C) | 15 | 1200 | 284T | 92.4 | 83.5 | 18.2 | 460 |
| EP01565 ^(C) | 15 | 1200 | 284T | 92.4 | 83.5 | 14.56 | 460 |
| EP0158 ^(C) | 15 | 900 | 286T | 90.2 | 78.0 | 20.0 | 510 |
| EP01585 | 15 | 900 | 286T | 90.2 | 78.0 | 16.0 | 510 |
| EP0202 | 20 | 3600 | 256T | 92.4 | 92.5 | 21.9 | 405 |
| EP02025 | 20 | 3600 | 256T | 92.4 | 92.5 | 17.52 | 405 |
| EP0204 ^(C) | 20 | 1800 | 256T | 93.0 | 87.5 | 23.0 | 410 |
| EP02045 ^(C) | 20 | 1800 | 256T | 93.0 | 87.5 | 18.4 | 410 |
| EP0206 ^(C) | 20 | 1200 | 286T | 91.7 | 84.0 | 24.3 | 550 |
| EP02065 ^(C) | 20 | 1200 | 286T | 91.7 | 84.0 | 19.44 | 550 |
| EP0208 ^(C) | 20 | 900 | 324T | 91.0 | 81.0 | 25.4 | 585 |
| EP02085 ^(C) | 20 | 900 | 324T | 91.0 | 81.0 | 20.32 | 585 |
| EP0252 | 25 | 3600 | 284TS | 92.4 | 91.0 | 27.8 | 498 |
| EP02525 | 25 | 3600 | 284TS | 92.4 | 91.0 | 22.24 | 498 |
| EP0254 ^(C) | 25 | 1800 | 284T | 93.6 | 86.0 | 29.1 | 520 |
| EP02545 ^(C) | 25 | 1800 | 284T | 93.6 | 86.0 | 23.28 | 520 |
| EP02545 ^(C) | 25 | 1800 | 284TS | 93.6 | 86.0 | 29.1 | 520 |
| EP02545S ^(C) | 25 | 1800 | 284TS | 93.6 | 86.0 | 23.28 | 520 |
| EP0256 ^(C) | 25 | 1200 | 324T | 93.0 | 83.0 | 30.3 | 725 |
| EP02565 ^(C) | 25 | 1200 | 324T | 93.0 | 83.0 | 24.24 | 725 |
| EP0258 ^(C) | 25 | 900 | 326T | 91.0 | 80.0 | 32.2 | 684 |
| EP02585 ^(C) | 25 | 900 | 326T | 91.0 | 80.0 | 25.76 | 684 |

Notes:

(1) To check stock or order 575V motors, add "5" to the end of Catalog Number, for example: "EP00545" for 5 HP, 1800 RPM, 575V.

(C) Meets NEMA Design C Torque.

AEHH8N, NEMA PREMIUM (1 HP - 500 HP) [EP]

Effective 07-08-18
Supercedes 03-24-17



| CATALOG NO. | HP | RPM | FRAME | FL EFF (%) | FL PF (%) | FL AMPS (460/575V) | APPROX. SHIPPING WT. (lbs.) |
|-------------------------|----|------|-------|------------|-----------|--------------------|-----------------------------|
| EP0302 | 30 | 3600 | 286TS | 93.0 | 91.0 | 33.2 | 530 |
| EP03025 | 30 | 3600 | 286TS | 93.0 | 91.0 | 26.56 | 530 |
| EP0304 ^(C) | 30 | 1800 | 286T | 93.6 | 87.5 | 34.3 | 558 |
| EP03045 ^(C) | 30 | 1800 | 286T | 93.6 | 87.5 | 27.68 | 558 |
| EP03045 ^(C) | 30 | 1800 | 286TS | 93.6 | 87.5 | 34.3 | 558 |
| EP03045S ^(C) | 30 | 1800 | 286TS | 93.6 | 87.5 | 27.44 | 558 |
| EP0306 ^(C) | 30 | 1200 | 326T | 93.0 | 80.5 | 37.5 | 775 |
| EP03065 ^(C) | 30 | 1200 | 326T | 93.0 | 80.5 | 30 | 775 |
| EP0308 ^(C) | 30 | 900 | 364T | 93.0 | 78.0 | 38.7 | 898 |
| EP03085 ^(C) | 30 | 900 | 364T | 93.0 | 78.0 | 30.96 | 898 |
| EP0402 | 40 | 3600 | 324TS | 94.1 | 90.0 | 44.2 | 755 |
| EP04025 | 40 | 3600 | 324TS | 94.1 | 90.0 | 35.36 | 755 |
| EP0404 ^(C) | 40 | 1800 | 324T | 94.1 | 86.0 | 46.3 | 750 |
| EP04045 ^(C) | 40 | 1800 | 324T | 94.1 | 86.0 | 37.04 | 750 |
| EP04045 ^(C) | 40 | 1800 | 324TS | 94.1 | 86.0 | 46.3 | 750 |
| EP04045S ^(C) | 40 | 1800 | 324TS | 94.1 | 86.0 | 37.04 | 750 |
| EP0406 ^(C) | 40 | 1200 | 364T | 94.1 | 86.5 | 46.0 | 1025 |
| EP04065 ^(C) | 40 | 1200 | 364T | 94.1 | 86.5 | 36.8 | 1025 |
| EP0408 ^(C) | 40 | 900 | 365T | 93.0 | 78.0 | 51.6 | 1035 |
| EP04085 ^(C) | 40 | 900 | 365T | 93.0 | 78.0 | 41.3 | 1035 |
| EP0502 | 50 | 3600 | 326TS | 94.1 | 91.0 | 54.7 | 815 |
| EP05025 | 50 | 3600 | 326TS | 94.1 | 91.0 | 43.76 | 815 |
| EP0504 ^(C) | 50 | 1800 | 326T | 94.5 | 87.0 | 56.9 | 845 |
| EP05045 ^(C) | 50 | 1800 | 326T | 94.5 | 87.0 | 45.52 | 845 |
| EP05045 ^(C) | 50 | 1800 | 326TS | 94.5 | 87.0 | 56.9 | 845 |
| EP05045S ^(C) | 50 | 1800 | 326TS | 94.5 | 87.0 | 45.52 | 845 |
| EP0506 ^(C) | 50 | 1200 | 365T | 94.1 | 86.0 | 57.8 | 1105 |
| EP05065 ^(C) | 50 | 1200 | 365T | 94.1 | 86.0 | 46.22 | 1105 |
| EP0506R ^(C) | 50 | 1200 | 365T | 94.1 | 86.0 | 57.8 | 1105 |
| EP0508 ^(C) | 50 | 900 | 404T | 93.0 | 81.0 | 62.1 | 1098 |
| EP05085 ^(C) | 50 | 900 | 404T | 93.0 | 81.0 | 49.68 | 1098 |
| EP0602 | 60 | 3600 | 364TS | 94.1 | 93.0 | 64.2 | 960 |
| EP06025 | 60 | 3600 | 364TS | 94.1 | 93.0 | 51.4 | 960 |
| EP0604 ^(C) | 60 | 1800 | 364T | 95.0 | 86.5 | 68.4 | 945 |
| EP0604R ^(C) | 60 | 1800 | 364T | 95.0 | 86.5 | 68.4 | 945 |
| EP06045 ^(C) | 60 | 1800 | 364T | 95.0 | 86.5 | 54.7 | 945 |
| EP06045 ^(C) | 60 | 1800 | 364TS | 95.0 | 86.5 | 68.4 | 945 |
| EP06045S ^(C) | 60 | 1800 | 364TS | 95.0 | 86.5 | 54.7 | 945 |
| EP0606 ^(C) | 60 | 1200 | 404T | 94.5 | 87.0 | 68.3 | 1,305 |
| EP0606R ^(C) | 60 | 1200 | 404T | 94.5 | 87.0 | 68.3 | 1,305 |
| EP06065 ^(C) | 60 | 1200 | 404T | 94.5 | 87.0 | 54.6 | 1,305 |
| EP0608 ^(C) | 60 | 900 | 405T | 93.0 | 81.0 | 74.6 | 1,410 |
| EP06085 ^(C) | 60 | 900 | 405T | 93.0 | 81.0 | 59.7 | 1,410 |

Notes:

- (1) To check stock or order 575V motors, add "5" to the end of Catalog Number, for example: "EP00545" for 5 HP, 1800 RPM, 575V.
- (C) Meets NEMA Design C Torque.



| CATALOG NO. | HP | RPM | FRAME | FL EFF (%) | FL PF (%) | FL AMPS (460/575V) | APPROX. SHIPPING WT. (lbs.) |
|-------------------------|-----|------|-------|------------|-----------|--------------------|-----------------------------|
| EP0752 | 75 | 3600 | 365TS | 94.5 | 93.0 | 79.9 | 995 |
| EP07525 | 75 | 3600 | 365TS | 94.5 | 93.0 | 63.9 | 995 |
| EP0754 ^(C) | 75 | 1800 | 365T | 95.4 | 86.5 | 85.1 | 1,045 |
| EP07545 ^(C) | 75 | 1800 | 365T | 95.4 | 86.5 | 68.1 | 1,045 |
| EP07545S ^(C) | 75 | 1800 | 365TS | 95.4 | 86.5 | 85.1 | 1,045 |
| EP07545S ^(C) | 75 | 1800 | 365TS | 95.4 | 86.5 | 68.1 | 1,045 |
| EP0754R ^(C) | 75 | 1800 | 365T | 95.4 | 86.5 | 85.1 | 1,045 |
| EP07545R ^(C) | 75 | 1800 | 365T | 95.4 | 86.5 | 68.1 | 1,045 |
| EP0756 ^(C) | 75 | 1200 | 405T | 94.5 | 86.5 | 85.9 | 1,440 |
| EP07565 ^(C) | 75 | 1200 | 405T | 94.5 | 86.5 | 68.7 | 1,440 |
| EP0756R ^(C) | 75 | 1200 | 405T | 94.5 | 86.5 | 85.9 | 1,440 |
| EP07565R ^(C) | 75 | 1200 | 405T | 94.5 | 86.5 | 68.7 | 1,440 |
| EP0758 | 75 | 900 | 444T | 93.6 | 79.0 | 95.0 | 1,790 |
| EP07585 | 75 | 900 | 444T | 93.6 | 79.0 | 76.0 | 1,790 |
| EP0758R | 75 | 900 | 444T | 93.6 | 79.0 | 95.0 | 1,790 |
| EP07585R | 75 | 900 | 444T | 93.6 | 79.0 | 76.0 | 1,790 |
| EP1002 | 100 | 3600 | 405TS | 95.4 | 92.0 | 107 | 1,386 |
| EP10025 | 100 | 3600 | 405TS | 95.4 | 92.0 | 86 | 1,386 |
| EP1004 ^(C) | 100 | 1800 | 405T | 95.4 | 87.5 | 112 | 1,415 |
| EP10045 ^(C) | 100 | 1800 | 405T | 95.4 | 87.5 | 90 | 1,415 |
| EP10045S ^(C) | 100 | 1800 | 405TS | 95.4 | 87.5 | 112 | 1,415 |
| EP10045S ^(C) | 100 | 1800 | 405TS | 95.4 | 87.5 | 90 | 1,415 |
| EP1004R ^(C) | 100 | 1800 | 405T | 95.4 | 87.5 | 112 | 1,415 |
| EP10045R ^(C) | 100 | 1800 | 405T | 95.4 | 87.5 | 90 | 1,415 |
| EP1006 | 100 | 1200 | 444T | 95.0 | 82.5 | 119 | 1,783 |
| EP10065 | 100 | 1200 | 444T | 95.0 | 82.5 | 95 | 1,783 |
| EP1006R | 100 | 1200 | 445T | 95.0 | 82.5 | 119 | 1,783 |
| EP10065R | 100 | 1200 | 445T | 95.0 | 82.5 | 95 | 1,783 |
| EP1008 | 100 | 900 | 445T | 93.6 | 79.0 | 127 | 2,088 |
| EP10085 | 100 | 900 | 445T | 93.6 | 79.0 | 102 | 2,088 |
| EP1008R | 100 | 900 | 445T | 93.6 | 79.0 | 127 | 2,088 |
| EP10085R | 100 | 900 | 445T | 93.6 | 79.0 | 102 | 2,088 |
| EP1252 | 125 | 3600 | 444TS | 95.0 | 86.0 | 143 | 1,656 |
| EP12525 | 125 | 3600 | 444TS | 95.0 | 86.0 | 114 | 1,656 |
| EP1254 | 125 | 1800 | 444T | 95.4 | 85.0 | 144 | 1,830 |
| EP12545 | 125 | 1800 | 444T | 95.4 | 85.0 | 115 | 1,830 |
| EP12545S | 125 | 1800 | 444TS | 95.4 | 85.0 | 144 | 1,830 |
| EP12545S | 125 | 1800 | 444TS | 95.4 | 85.0 | 115 | 1,830 |
| EP1254R | 125 | 1800 | 444T | 95.4 | 85.0 | 144 | 1,830 |
| EP12545R | 125 | 1800 | 444T | 95.4 | 85.0 | 115 | 1,830 |
| EP1256 | 125 | 1200 | 445T | 95.0 | 83.0 | 148 | 2,193 |
| EP12565 | 125 | 1200 | 445T | 95.0 | 83.0 | 118 | 2,193 |
| EP1256R | 125 | 1200 | 445T | 95.0 | 83.0 | 148 | 2,193 |
| EP12565R | 125 | 1200 | 445T | 95.0 | 83.0 | 118 | 2,193 |
| EP1258 | 125 | 900 | 447T | 94.1 | 80.0 | 155 | 2,490 |
| EP12585 | 125 | 900 | 447T | 94.1 | 80.0 | 124 | 2,490 |
| EP1258R | 125 | 900 | 447T | 94.1 | 80.0 | 155 | 2,490 |
| EP12585R | 125 | 900 | 447T | 94.1 | 80.0 | 124 | 2,490 |

Notes:

- (1) To check stock or order 575V motors, add "5" to the end of Catalog Number, for example: "EP00545" for 5 HP, 1800 RPM, 575V.
- (C) Meets NEMA Design C Torque.

AEHH8N, NEMA PREMIUM (1 HP - 500 HP) [EP]

Effective 07-08-18
Supercedes 03-24-17



| CATALOG NO. | HP | RPM | FRAME | FL EFF (%) | FL PF (%) | FL AMPS (460/575V) | APPROX. SHIPPING WT. (lbs.) |
|-------------|-----|------|-------|------------|-----------|--------------------|-----------------------------|
| EP1502 | 150 | 3600 | 445TS | 95.0 | 87.0 | 170 | 1,783 |
| EP15025 | 150 | 3600 | 445TS | 95.0 | 87.0 | 136 | 1,783 |
| EP1504 | 150 | 1800 | 445T | 95.8 | 85.0 | 172 | 2,005 |
| EP15045 | 150 | 1800 | 445T | 95.8 | 85.0 | 138 | 2,005 |
| EP15045S | 150 | 1800 | 445TS | 95.8 | 85.0 | 172 | 2,005 |
| EP15045S | 150 | 1800 | 445TS | 95.8 | 85.0 | 138 | 2,005 |
| EP1504R | 150 | 1800 | 445T | 95.8 | 85.0 | 172 | 2,005 |
| EP15045R | 150 | 1800 | 445T | 95.8 | 85.0 | 138 | 2,005 |
| EP1506 | 150 | 1200 | 447T | 95.8 | 83.5 | 176 | 2,547 |
| EP15065 | 150 | 1200 | 447T | 95.8 | 83.5 | 141 | 2,547 |
| EP1506R | 150 | 1200 | 447T | 95.8 | 83.5 | 176 | 2,547 |
| EP15065R | 150 | 1200 | 447T | 95.8 | 83.5 | 141 | 2,547 |
| EP1508 | 150 | 900 | 449T | 94.1 | 80.0 | 187 | 2,389 |
| EP15085 | 150 | 900 | 449T | 94.1 | 80.0 | 150 | 2,389 |
| EP1508R | 150 | 900 | 449T | 94.1 | 80.0 | 187 | 2,389 |
| EP15085R | 150 | 900 | 449T | 94.1 | 80.0 | 150 | 2,389 |
| EP2002 | 200 | 3600 | 447TS | 95.4 | 89.0 | 221 | 2,444 |
| EP20025 | 200 | 3600 | 447TS | 95.4 | 89.0 | 177 | 2,444 |
| EP2004 | 200 | 1800 | 447T | 96.2 | 87.0 | 224 | 2,547 |
| EP20045 | 200 | 1800 | 447T | 96.2 | 87.0 | 179 | 2,547 |
| EP20045S | 200 | 1800 | 447TS | 96.2 | 87.0 | 224 | 2,547 |
| EP20045S | 200 | 1800 | 447TS | 96.2 | 87.0 | 179 | 2,547 |
| EP2004R | 200 | 1800 | 447T | 96.2 | 87.0 | 224 | 2,547 |
| EP20045R | 200 | 1800 | 447T | 96.2 | 87.0 | 179 | 2,547 |
| EP2006 | 200 | 1200 | 449T | 95.8 | 84.0 | 233 | 2,785 |
| EP20065 | 200 | 1200 | 449T | 95.8 | 84.0 | 186 | 2,785 |
| EP2006R | 200 | 1200 | 449T | 95.8 | 84.0 | 233 | 2,785 |
| EP20065R | 200 | 1200 | 449T | 95.8 | 84.0 | 186 | 2,785 |
| EP2008T | 200 | 900 | 449T | 94.5 | 80.0 | 248 | 2,706 |
| EP20085T | 200 | 900 | 449T | 94.5 | 80.0 | 198 | 2,706 |
| EP2008TR | 200 | 900 | 449T | 94.5 | 80.0 | 248 | 2,706 |
| EP20085TR | 200 | 900 | 449T | 94.5 | 80.0 | 198 | 2,706 |
| EP2008 | 200 | 900 | 5007B | 94.5 | 81.0 | 304 | 3,400 |
| EP20085 | 200 | 900 | 5007B | 94.5 | 81.0 | 243 | 3,400 |
| EP2008R | 200 | 900 | 5007C | 94.5 | 81.0 | 304 | 3,400 |
| EP20085R | 200 | 900 | 5007C | 94.5 | 81.0 | 243 | 3,400 |
| EP2502 | 250 | 3600 | 449TS | 95.8 | 89.8 | 272 | 2,547 |
| EP25025 | 250 | 3600 | 449TS | 95.8 | 89.8 | 218 | 2,547 |
| EP2504 | 250 | 1800 | 449T | 96.2 | 88.0 | 277 | 2,720 |
| EP25045 | 250 | 1800 | 449T | 96.2 | 88.0 | 222 | 2,720 |
| EP2506 | 250 | 1200 | 449T | 95.8 | 84.5 | 289 | 2,925 |
| EP25065 | 250 | 1200 | 449T | 95.8 | 84.5 | 231 | 2,925 |
| EP2506R | 250 | 1200 | 449T | 95.8 | 84.5 | 289 | 2,925 |
| EP25065R | 250 | 1200 | 449T | 95.8 | 84.5 | 231 | 2,925 |
| EP2508 | 250 | 900 | 5009B | 95.0 | 81.0 | 304 | 4,200 |
| EP25085 | 250 | 900 | 5009B | 95.0 | 81.0 | 243 | 4,200 |
| EP2508R | 250 | 900 | 5009C | 95.0 | 81.0 | 304 | 4,200 |
| EP25085R | 250 | 900 | 5009C | 95.0 | 81.0 | 243 | 4,200 |

Notes:

- (1) To check stock or order 575V motors, add "5" to the end of Catalog Number, for example: "EP00545" for 5 HP, 1800 RPM, 575V.
- (C) Meets NEMA Design C Torque.



| CATALOG NO. | HP | RPM | FRAME | FL EFF (%) | FL PF (%) | FL AMPS (460/575V) | APPROX. SHIPPING WT. (lbs.) |
|-------------------------------|-----|------|-------|------------|-----------|-----------------------|-----------------------------------|
| EP3002 | 300 | 3600 | 449TS | 95.8 | 90.2 | 325 | 2,647 |
| EP30025 | 300 | 3600 | 449TS | 95.8 | 90.2 | 260 | 2,647 |
| EP3004 | 300 | 1800 | 449T | 96.2 | 88.0 | 332 | 2,855 |
| EP30045 | 300 | 1800 | 449T | 96.2 | 88.0 | 266 | 2,855 |
| EP3004R | 300 | 1800 | 449T | 96.2 | 88.0 | 332 | 2,855 |
| EP30045R | 300 | 1800 | 449T | 96.2 | 88.0 | 266 | 2,855 |
| EP3006 | 300 | 1200 | 449T | 95.8 | 84.5 | 347 | 3,430 |
| EP30065 | 300 | 1200 | 449T | 95.8 | 84.5 | 278 | 3,430 |
| EP3006R | 300 | 1200 | 449T | 95.8 | 84.5 | 347 | 3,430 |
| EP30065R | 300 | 1200 | 449T | 95.8 | 84.5 | 278 | 3,430 |
| EP3008 | 300 | 900 | 5009B | 95.0 | 81.0 | 365 | 4,410 |
| EP30085 | 300 | 900 | 5009B | 95.0 | 81.0 | 292 | 4,410 |
| EP3008R | 300 | 900 | 5009C | 95.0 | 81.0 | 365 | 4,410 |
| EP30085R | 300 | 900 | 5009C | 95.0 | 81.0 | 292 | 4,410 |
| EP3502 | 350 | 3600 | 449TS | 95.8 | 90.2 | 379 | 2,785 |
| EP35025 | 350 | 3600 | 449TS | 95.8 | 90.2 | 303 | 2,785 |
| EP3504 | 350 | 1800 | 449T | 96.2 | 88.0 | 387 | 3,280 |
| EP35045 | 350 | 1800 | 449T | 96.2 | 88.0 | 310 | 3,280 |
| EP3504R | 350 | 1800 | 449T | 96.2 | 88.0 | 387 | 3,280 |
| EP35045R | 350 | 1800 | 449T | 96.2 | 88.0 | 310 | 3,280 |
| EP3506 | 350 | 1200 | 5011B | 95.8 | 87.0 | 393 | 5,565 |
| EP35065 | 350 | 1200 | 5011B | 95.8 | 87.0 | 314 | 5,565 |
| EP3506R | 350 | 1200 | 5011C | 95.8 | 87.0 | 393 | 5,565 |
| EP35065R | 350 | 1200 | 5011C | 95.8 | 87.0 | 314 | 5,565 |
| EP3508 | 350 | 900 | 5011B | 95.0 | 81.0 | 426 | 5,040 |
| EP35085 | 350 | 900 | 5011B | 95.0 | 81.0 | 341 | 5,040 |
| EP3508R | 350 | 900 | 5011C | 95.0 | 81.0 | 426 | 5,040 |
| EP35085R | 350 | 900 | 5011C | 95.0 | 81.0 | 340 | 5,040 |
| EP4002T ^(2,3,4,6) | 400 | 3600 | 449TS | 95.8 | 92.5 | 423 | 2,950 |
| EP40025T ^(2,3,4,6) | 400 | 3600 | 449TS | 95.8 | 92.5 | 338 | 2,950 |
| EP4002 | 400 | 3600 | 5009A | 95.8 | 91.6 | 427 | 3,623 |
| EP40025 | 400 | 3600 | 5009A | 95.8 | 91.6 | 342 | 3,623 |
| EP4004T ^(2,3,4,6) | 400 | 1800 | 449T | 96.2 | 90.0 | 433 | 3,500 |
| EP40045T ^(2,3,4,6) | 400 | 1800 | 449T | 96.2 | 90.0 | 346 | 3,500 |
| EP4004 | 400 | 1800 | 5009B | 96.2 | 90.0 | 433 | 4,025 |
| EP40045 | 400 | 1800 | 5009B | 96.2 | 90.0 | 347 | 4,025 |
| EP4004R | 400 | 1800 | 5009C | 96.2 | 90.0 | 433 | 4,025 |
| EP40045R | 400 | 1800 | 5009C | 96.2 | 90.0 | 347 | 4,025 |
| EP4006 | 400 | 1200 | 5011B | 95.8 | 87.0 | 449 | 5,803 |
| EP40065 | 400 | 1200 | 5011B | 95.8 | 87.0 | 359 | 5,803 |
| EP4006R | 400 | 1200 | 5011C | 95.8 | 87.0 | 449 | 5,803 |
| EP40065R | 400 | 1200 | 5011C | 95.8 | 87.0 | 359 | 5,803 |
| EP4008 | 400 | 900 | 5808B | 95.0 | 82.5 | 478 | 5,355 |
| EP40085 | 400 | 900 | 5808B | 95.0 | 82.5 | 382 | 5,355 |
| EP4008R | 400 | 900 | 5808C | 95.0 | 82.5 | 478 | 5,355 |
| EP40085R | 400 | 900 | 5808C | 95.0 | 82.5 | 382 | 5,355 |

Notes:

- (1) To check stock or order 575V motors, add "5" to the end of Catalog Number, for example: "EP00545" for 5 HP, 1800 RPM, 575V.
- (2) Not suitable for Class I, Division 2 or Class II, Division 2.
- (3) No 50Hz data (380V) on nameplate.
- (4) Not suitable for VFD.
- (5) All data subject to change without notice.
- (6) Special Order Only.

AEHH8N, NEMA PREMIUM (1 HP - 500 HP) [EP]

Effective 07-08-18
 Supercedes 03-24-17



| CATALOG NO. | HP | RPM | FRAME | FL EFF (%) | FL PF (%) | FL AMPS (460/575V) | APPROX. SHIPPING WT. (lbs.) |
|-------------|-----|------|-------|------------|-----------|-----------------------|-----------------------------------|
| EP4502 | 450 | 3600 | 5011A | 95.8 | 91.7 | 480 | 4,410 |
| EP45025 | 450 | 3600 | 5011A | 95.8 | 91.7 | 384 | 4,410 |
| EP4504 | 450 | 1800 | 5011B | 96.2 | 90.0 | 487 | 5,040 |
| EP45045 | 450 | 1800 | 5011B | 96.2 | 90.0 | 390 | 5,040 |
| EP4504R | 450 | 1800 | 5011C | 96.2 | 90.0 | 487 | 5,040 |
| EP45045R | 450 | 1800 | 5011C | 96.2 | 90.0 | 390 | 5,040 |
| EP4506 | 450 | 1200 | 5808B | 95.8 | 88.0 | 500 | 5,803 |
| EP45065 | 450 | 1200 | 5808B | 95.8 | 88.0 | 400 | 5,803 |
| EP4506R | 450 | 1200 | 5808C | 95.8 | 88.0 | 500 | 5,803 |
| EP45065R | 450 | 1200 | 5808C | 95.8 | 88.0 | 400 | 5,803 |
| EP4508 | 450 | 900 | 5808B | 95.0 | 82.5 | 535 | 5,723 |
| EP45085 | 450 | 900 | 5808B | 95.0 | 82.5 | 428 | 5,723 |
| EP4508R | 450 | 900 | 5808C | 95.0 | 82.5 | 535 | 5,723 |
| EP45085R | 450 | 900 | 5808C | 95.0 | 82.5 | 428 | 5,723 |
| EP5002 | 500 | 3600 | 5011A | 95.8 | 91.7 | 533 | 4,830 |
| EP50025 | 500 | 3600 | 5011A | 95.8 | 91.7 | 426 | 4,830 |
| EP5004 | 500 | 1800 | 5011B | 96.2 | 90.0 | 541 | 5,250 |
| EP50045 | 500 | 1800 | 5011B | 96.2 | 90.0 | 433 | 5,250 |
| EP5004R | 500 | 1800 | 5011C | 96.2 | 90.0 | 541 | 5,250 |
| EP50045R | 500 | 1800 | 5011C | 96.2 | 90.0 | 433 | 5,250 |
| EP5006 | 500 | 1200 | 5808B | 95.8 | 88.0 | 555 | 6,330 |
| EP50065 | 500 | 1200 | 5808B | 95.8 | 88.0 | 444 | 6,330 |
| EP5006R | 500 | 1200 | 5808C | 95.8 | 88.0 | 555 | 6,330 |
| EP50065R | 500 | 1200 | 5808C | 95.8 | 88.0 | 444 | 6,330 |
| EP5008 | 500 | 900 | 5810B | 95.0 | 83.0 | 594 | 6,300 |
| EP50085 | 500 | 900 | 5810B | 95.0 | 83.0 | 475 | 6,300 |
| EP5008R | 500 | 900 | 5810C | 95.0 | 83.0 | 594 | 6,300 |
| EP50085R | 500 | 900 | 5810C | 95.0 | 83.0 | 475 | 6,300 |

Notes:

(1) To check stock or order 575V motors, add "5" to the end of Catalog Number, for example: "EP00545" for 5 HP, 1800 RPM, 575V.

AEHE, HIGH EFFICIENCY [E]

Effective 07-08-18
Supercedes 03-24-17



| CATALOG NO. | HP | RPM | FRAME | FL EFF (%) | FL PF (%) | FL AMPS (460/575V) | APPROX. SHIPPING WT. (lbs.) |
|-----------------------|-----|-----|-------|------------|-----------|--------------------|-----------------------------|
| E0/78 | 3/4 | 900 | 145T | 70.0 | 53.5 | 1.90 | 85 |
| E0/785 | 3/4 | 900 | 145T | 70.0 | 53.5 | 1.52 | 85 |
| E0018 | 1 | 900 | 182T | 77.0 | 58.5 | 2.08 | 105 |
| E00185 | 1 | 900 | 182T | 77.0 | 58.5 | 1.68 | 105 |
| E1/58 | 1.5 | 900 | 184T | 77.0 | 60.5 | 3.02 | 125 |
| E1/585 | 1.5 | 900 | 184T | 77.0 | 60.5 | 2.40 | 125 |
| E0028 ^(C) | 2 | 900 | 213T | 85.5 | 64.0 | 3.42 | 173 |
| E00285 ^(C) | 2 | 900 | 213T | 85.5 | 64.0 | 4.00 | 173 |
| E0038 ^(C) | 3 | 900 | 215T | 85.5 | 66.0 | 5.00 | 192 |
| E00385 ^(C) | 3 | 900 | 215T | 85.5 | 66.0 | 4.00 | 192 |
| E0058 | 5 | 900 | 254T | 86.5 | 72.0 | 7.50 | 305 |
| E00585 | 5 | 900 | 254T | 86.5 | 72.0 | 6.00 | 305 |
| E7/58 ^(C) | 7.5 | 900 | 256T | 85.5 | 71.5 | 11.5 | 365 |
| E7/585 ^(C) | 7.5 | 900 | 256T | 85.5 | 71.5 | 9.2 | 365 |
| E0108 ^(C) | 10 | 900 | 284T | 89.5 | 73.5 | 14.3 | 445 |
| E01085 ^(C) | 10 | 900 | 284T | 89.5 | 73.5 | 11.4 | 445 |
| E0158 | 15 | 900 | 286T | 89.5 | 78.0 | 20.1 | 510 |
| E01585 | 15 | 900 | 286T | 89.5 | 78.0 | 16.1 | 510 |
| E0208 ^(C) | 20 | 900 | 324T | 90.2 | 81.0 | 25.7 | 585 |
| E02085 ^(C) | 20 | 900 | 324T | 90.2 | 81.0 | 20.5 | 585 |
| E0258 ^(C) | 25 | 900 | 326T | 90.2 | 79.5 | 32.7 | 684 |
| E02585 ^(C) | 25 | 900 | 326T | 90.2 | 79.5 | 20.5 | 684 |
| E0308 ^(C) | 30 | 900 | 364T | 93.0 | 77.5 | 39.0 | 898 |
| E03085 ^(C) | 30 | 900 | 364T | 93.0 | 77.5 | 31.2 | 898 |
| E0408 ^(C) | 40 | 900 | 365T | 91.7 | 76.5 | 53.5 | 1020 |
| E04085 ^(C) | 40 | 900 | 365T | 91.7 | 76.5 | 42.7 | 1020 |
| E0508 ^(C) | 50 | 900 | 404T | 93.0 | 80.5 | 65.2 | 1,098 |
| E05085 ^(C) | 50 | 900 | 404T | 93.0 | 80.5 | 42.7 | 1,098 |
| E0608 ^(C) | 60 | 900 | 405T | 93.0 | 81.0 | 74.5 | 1,410 |
| E06085 ^(C) | 60 | 900 | 405T | 93.0 | 81.0 | 81.0 | 1,410 |
| E0758 | 75 | 900 | 444T | 93.0 | 79.0 | 95.6 | 1,790 |
| E07585 | 75 | 900 | 444T | 93.0 | 79.0 | 76.5 | 1,790 |
| E0758R | 75 | 900 | 444T | 93.0 | 79.0 | 95.6 | 1,790 |
| E07585R | 75 | 900 | 444T | 93.0 | 79.0 | 76.5 | 1,790 |
| E1008 | 100 | 900 | 445T | 93.0 | 79.0 | 127.0 | 2,088 |
| E10085 | 100 | 900 | 445T | 93.0 | 79.0 | 101.6 | 2,088 |
| E1008R | 100 | 900 | 445T | 93.0 | 79.0 | 127.0 | 2,088 |
| E10085R | 100 | 900 | 445T | 93.0 | 79.0 | 101.6 | 2,088 |
| E1258 | 125 | 900 | 447T | 93.6 | 80.0 | 156.0 | 2,490 |
| E12585 | 125 | 900 | 447T | 93.6 | 80.0 | 124.8 | 2,490 |
| E1258R | 125 | 900 | 447T | 93.6 | 80.0 | 156.0 | 2,490 |
| E12585R | 125 | 900 | 447T | 93.6 | 80.0 | 124.8 | 2,490 |
| E1508 | 150 | 900 | 449T | 93.6 | 80.0 | 188.0 | 2,903 |
| E15085 | 150 | 900 | 449T | 93.6 | 80.0 | 150.4 | 2,903 |
| E1508R | 150 | 900 | 449T | 93.6 | 80.0 | 188.0 | 2,903 |
| E15085R | 150 | 900 | 449T | 93.6 | 80.0 | 150.4 | 2,903 |
| E2008 | 200 | 900 | 5007B | 94.4 | 82.0 | 242.0 | 3,570 |
| E20085 | 200 | 900 | 5007B | 94.4 | 82.0 | 193.6 | 3,570 |
| E2008R | 200 | 900 | 5007C | 94.4 | 82.0 | 242.0 | 3,570 |
| E20085R | 200 | 900 | 5007C | 94.4 | 82.0 | 193.6 | 3,570 |
| E2508 | 250 | 900 | 5009B | 94.5 | 81.0 | 306.0 | 4,200 |
| E25085 | 250 | 900 | 5009B | 94.5 | 81.0 | 244.8 | 4,200 |
| E2508R | 250 | 900 | 5009C | 94.5 | 81.0 | 306.0 | 4,200 |
| E25085R | 250 | 900 | 5009C | 94.5 | 81.0 | 244.8 | 4,200 |

Notes:

- (1) To check stock or order 575V motors, add "5" to the end of Catalog Number, for example: "EP00545" for 5 HP, 1800 RPM, 575V.
- (2) **Ratings above 600 HP ("E" motors) do not have a NEMA Premium requirement and therefore will continue to be stock items.**
- (3) Per DOE regulations, this High Efficiency inventory (Ratings Below 600 HP) will be available through June 2018, or until current inventory has been depleted. Whichever occurs first. Please see our new line of Premium Efficient 8 pole MAX-E1® motors beginning on page 70.
- (4) All data subject to change without notice.
- (C) Meets NEMA Design C Torque..

AEHE, HIGH EFFICIENCY [E]

Effective 07-08-18
 Supersedes 03-24-17



| CATALOG NO. | HP | RPM | FRAME | FL EFF (%) | FL PF (%) | FL AMPS (460/575V) | APPROX. SHIPPING WT. (lbs.) | |
|-------------|-----|------|-------|------------|-----------|-----------------------|-----------------------------------|--|
| E3008 | 300 | 900 | 5009B | 94.6 | 81.0 | 366.0 | 4,410 | |
| E30085 | 300 | 900 | 5009B | 94.6 | 81.0 | 292.8 | 4,410 | |
| E3008R | 300 | 900 | 5009C | 94.6 | 81.0 | 366.0 | 4,410 | |
| E30085R | 300 | 900 | 5009C | 94.6 | 81.0 | 292.8 | 4,410 | |
| E3508 | 350 | 900 | 5011B | 94.8 | 81.0 | 426.0 | 5,040 | |
| E35085 | 350 | 900 | 5011B | 94.8 | 81.0 | 340.8 | 5,040 | |
| E3508R | 350 | 900 | 5011C | 94.8 | 81.0 | 426.0 | 5,040 | |
| E35085R | 350 | 900 | 5011C | 94.8 | 81.0 | 340.8 | 5,040 | |
| E4008 | 400 | 900 | 5808B | 94.8 | 82.5 | 478.0 | 5,355 | |
| E40085 | 400 | 900 | 5808B | 94.8 | 82.5 | 382.4 | 5,355 | |
| E4008R | 400 | 900 | 5808C | 94.8 | 82.5 | 478.0 | 5,355 | |
| E40085R | 400 | 900 | 5808C | 94.8 | 82.5 | 382.4 | 5,355 | |
| E4508 | 450 | 900 | 5808B | 95.0 | 82.5 | 537.0 | 5,723 | |
| E45085 | 450 | 900 | 5808B | 95.0 | 82.5 | 429.6 | 5,723 | |
| E4508R | 450 | 900 | 5808C | 95.0 | 82.5 | 537.0 | 5,723 | |
| E45085R | 450 | 900 | 5808C | 95.0 | 82.5 | 429.6 | 5,723 | |
| E5008 | 500 | 900 | 5810B | 95.2 | 82.5 | 596 | 6,300 | |
| E50085 | 500 | 900 | 5810B | 95.2 | 82.5 | 476.8 | 6,300 | |
| E5008R | 500 | 900 | 5810C | 95.2 | 82.5 | 596 | 6,300 | |
| E50085R | 500 | 900 | 5810C | 95.2 | 82.5 | 479.8 | 6,300 | |
| E6002 | 600 | 3600 | 5810A | 95.4 | 90.5 | 650 | 6,355 | |
| E60025 | 600 | 3600 | 5810A | 95.4 | 90.5 | 520 | 6,355 | |
| E6004 | 600 | 1800 | 5808B | 95.5 | 90.0 | 654 | 6,360 | |
| E60045 | 600 | 1800 | 5808B | 95.5 | 90.0 | 523.2 | 6,360 | |
| E6004R | 600 | 1800 | 5808C | 95.5 | 90.0 | 654 | 6,360 | |
| E60045R | 600 | 1800 | 5808C | 95.5 | 90.0 | 523.2 | 6,360 | |
| E6006 | 600 | 1200 | 5810B | 95.6 | 86.8 | 677 | 6,720 | |
| E60065 | 600 | 1200 | 5810B | 95.6 | 86.8 | 541.6 | 6,720 | |
| E6006R | 600 | 1200 | 5810C | 95.6 | 86.8 | 677 | 6,720 | |
| E60065R | 600 | 1200 | 5810C | 95.6 | 86.8 | 541.6 | 6,720 | |
| E6008 | 600 | 900 | 6808B | 95.5 | 84.0 | 700 | 8,750 | |
| E60085 | 600 | 900 | 6808B | 95.5 | 84.0 | 560 | 8,750 | |
| E6008R | 600 | 900 | 6808C | 95.5 | 84.0 | 700 | 8,750 | |
| E60085R | 600 | 900 | 6808C | 95.5 | 84.0 | 560 | 8,750 | |

Notes:

- (1) To check stock or order 575V motors, add "5" to the end of Catalog Number, for example: "EP00545" for 5 HP, 1800 RPM, 575V.
- (2) Ratings above 600 HP ("E" motors) do not have a NEMA Premium requirement and therefore will continue to be stock items.**
- (3) Per DOE regulations, this High Efficiency inventory (Ratings Below 600 HP) will be available through June 2018, or until current inventory has been depleted. Whichever occurs first. Please see our new line of Premium Efficient 8 pole MAX-E1® motors beginning on page 70.
- (4) All data subject to change without notice.



| CATALOG NO. | HP | RPM | FRAME | FL EFF (%) | FL PF (%) | FL AMPS (460/575V) | APPROX. SHIPPING WT. (lbs.) |
|-------------|-----|------|-------|------------|-----------|--------------------|-----------------------------|
| E7002 | 700 | 3600 | 5810A | 95.5 | 90.5 | 758 | 6,500 |
| E70025 | 700 | 3600 | 5810A | 95.5 | 90.5 | 606.4 | 6,500 |
| E7004 | 700 | 1800 | 5810B | 95.6 | 90.0 | 762 | 7,140 |
| E70045 | 700 | 1800 | 5810B | 95.6 | 90.0 | 609.6 | 7,140 |
| E7004R | 700 | 1800 | 5810C | 95.6 | 90.0 | 762 | 7,140 |
| E70045R | 700 | 1800 | 5810C | 95.6 | 90.0 | 609.6 | 7,140 |
| E7006 | 700 | 1200 | 5810B | 95.8 | 86.8 | 788 | 7,245 |
| E70065 | 700 | 1200 | 5810B | 95.8 | 86.8 | 630.4 | 7,245 |
| E7006R | 700 | 1200 | 5810C | 95.8 | 86.8 | 788 | 7,245 |
| E70065R | 700 | 1200 | 5810C | 95.8 | 86.8 | 630.4 | 7,245 |
| E7008 | 700 | 900 | 6808B | 95.6 | 84.0 | 816 | 8,925 |
| E70085 | 700 | 900 | 6808B | 95.6 | 84.0 | 652.8 | 8,925 |
| E7008R | 700 | 900 | 6808C | 95.6 | 84.0 | 816 | 8,925 |
| E70085R | 700 | 900 | 6808C | 95.6 | 84.0 | 652.8 | 8,925 |
| E8002 | 800 | 3600 | 6808A | 95.5 | 90.5 | 867 | 8,750 |
| E80025 | 800 | 3600 | 6808A | 95.5 | 90.5 | 693.6 | 8,750 |
| E8004 | 800 | 1800 | 5810B | 95.6 | 90.5 | 866 | 7,613 |
| E80045 | 800 | 1800 | 5810B | 95.6 | 90.5 | 692.8 | 7,613 |
| E8004R | 800 | 1800 | 5810C | 95.6 | 90.5 | 866 | 7,613 |
| E80045R | 800 | 1800 | 5810C | 95.6 | 90.5 | 692.8 | 7,613 |
| E8006 | 800 | 1200 | 6808B | 96.0 | 87.0 | 897 | 8,000 |
| E80065 | 800 | 1200 | 6808B | 96.0 | 87.0 | 717.6 | 8,000 |
| E8006R | 800 | 1200 | 6808C | 96.0 | 87.0 | 897 | 8,400 |
| E80065R | 800 | 1200 | 6808C | 96.0 | 87.0 | 717.6 | 8,400 |
| E8008 | 800 | 900 | 6808B | 95.6 | 84.0 | 933 | 9,293 |
| E80085 | 800 | 900 | 6808B | 95.6 | 84.0 | 746.4 | 9,293 |
| E8008R | 800 | 900 | 6808C | 95.6 | 84.0 | 933 | 9,293 |
| E80085R | 800 | 900 | 6808C | 95.6 | 84.0 | 746.4 | 9,293 |

Notes:

- (1) To check stock or order 575V motors, add "5" to the end of Catalog Number, for example: "EP00545" for 5 HP, 1800 RPM, 575V.
- (2) Ratings above 600 HP ("E" motors) do not have a NEMA Premium requirement and therefore will continue to be stock items.**
- (3) Per DOE regulations, this High Efficiency inventory (Ratings Below 600 HP) will be available through June 2018, or until current inventory has been depleted. Whichever occurs first. Please see our new line of Premium Efficient 8 pole MAX-E1® motors beginning on page 70.
- (4) All data subject to change without notice.

AEHH8NCF, NEMA PREMIUM, FOOTED C-FACE (1 HP - 300 HP) [EP_C]

Effective 07-08-18

AEUH8NDC, NEMA PREMIUM, ROUND BODY C-FACE (1 HP - 300 HP) [EPV_C]

Supersedes 03-24-17



| HP | RPM | FRAME | FL EFF (%) | FL PF (%) | FL AMPS (460V) | SHIPPING WT. (lbs.) | FOOTED C-FACE | | ROUND BODY C-FACE | |
|-----|------|--------|------------|-----------|----------------|---------------------|------------------------|--|-------------------------|--|
| | | | | | | | CATALOG NO. | | CATALOG NO. | |
| 1 | 3600 | 143TC | 82.5 | 85.0 | 1.34 | 59 | EP0012C | | EPV0012C | |
| 1 | 1800 | 143TC | 85.5 | 73.0 | 1.50 | 59 | EP0014C ^(C) | | EPV0014C ^(C) | |
| 1 | 1200 | 145TC | 82.5 | 65.5 | 1.73 | 88 | EP0016C | | EPV0016C | |
| 1.5 | 3600 | 143TC | 84.0 | 83.5 | 2.00 | 59 | EP1/52C | | EPV1/52C | |
| 1.5 | 1800 | 145TC | 86.5 | 78.0 | 2.08 | 65 | EP1/54C ^(C) | | EPV1/54C ^(C) | |
| 1.5 | 1200 | 182TC | 87.5 | 63.5 | 2.53 | 133 | EP1/56C | | EPV1/56C | |
| 2 | 3600 | 145TC | 86.5 | 86.0 | 2.52 | 65 | EP0022C | | EPV0022C | |
| 2 | 1800 | 145TC | 86.5 | 78.0 | 2.78 | 65 | EP0024C ^(C) | | EPV0024C ^(C) | |
| 2 | 1200 | 184TC | 88.5 | 70.5 | 3.00 | 145 | EP0026C ^(C) | | EPV0026C ^(C) | |
| 3 | 3600 | 182TC | 88.5 | 90.0 | 3.53 | 100 | EP0032C | | EPV0032C | |
| 3 | 1800 | 182TC | 89.5 | 81.5 | 3.85 | 100 | EP0034C ^(C) | | EPV0034C ^(C) | |
| 3 | 1200 | 213TC | 89.5 | 78.0 | 4.02 | 191 | EP0036C ^(C) | | EPV0036C ^(C) | |
| 5 | 3600 | 184TC | 88.5 | 92.5 | 5.72 | 120 | EP0052C | | EPV0052C | |
| 5 | 1800 | 184TC | 89.5 | 85.5 | 6.12 | 120 | EP0054C ^(C) | | EPV0054C ^(C) | |
| 5 | 1200 | 215TC | 91.0 | 82.5 | 6.24 | 239 | EP0056C ^(C) | | EPV0056C ^(C) | |
| 7.5 | 3600 | 213TC | 91.0 | 89.0 | 8.67 | 175 | EP7/52C | | EPV7/52C | |
| 7.5 | 1800 | 213TC | 91.7 | 86.5 | 8.85 | 175 | EP7/54C ^(C) | | EPV7/54C ^(C) | |
| 7.5 | 1200 | 254TC | 91.0 | 80.5 | 9.59 | 345 | EP7/56C ^(C) | | EPV7/56C ^(C) | |
| 10 | 3600 | 215TC | 91.0 | 89.5 | 11.5 | 198 | EP0102C | | EPV0102C | |
| 10 | 1800 | 215TC | 91.7 | 88.0 | 11.6 | 198 | EP0104C ^(C) | | EPV0104C ^(C) | |
| 10 | 1200 | 256TC | 91.0 | 80.5 | 12.8 | 403 | EP0106C ^(C) | | EPV0106C ^(C) | |
| 15 | 3600 | 254TC | 92.4 | 91.5 | 16.6 | 310 | EP0152C | | EPV0152C | |
| 15 | 1800 | 254TC | 92.4 | 88.0 | 17.3 | 310 | EP0154C ^(C) | | EPV0154C ^(C) | |
| 15 | 1200 | 284TC | 92.4 | 83.5 | 18.2 | 488 | EP0156C ^(C) | | EPV0156C ^(C) | |
| 20 | 3600 | 256TC | 92.4 | 92.5 | 21.9 | 350 | EP0202C | | EPV0202C | |
| 20 | 1800 | 256TC | 93.0 | 87.5 | 23.0 | 350 | EP0204C ^(C) | | EPV0204C ^(C) | |
| 20 | 1200 | 286TC | 91.7 | 84.0 | 24.3 | 583 | EP0206C ^(C) | | EPV0206C ^(C) | |
| 25 | 3600 | 284TSC | 92.4 | 91.0 | 27.8 | 430 | EP0252C | | EPV0252C | |
| 25 | 1800 | 284TC | 93.6 | 86.0 | 29.1 | 441 | EP0254C ^(C) | | EPV0254C ^(C) | |
| 25 | 1200 | 324TC | 93.0 | 83.0 | 30.3 | 769 | EP0256C ^(C) | | EPV0256C ^(C) | |
| 30 | 3600 | 286TSC | 93.0 | 91.0 | 33.2 | 469 | EP0302C | | EPV0302C | |
| 30 | 1800 | 286TC | 93.6 | 87.5 | 34.3 | 490 | EP0304C ^(C) | | EPV0304C ^(C) | |
| 30 | 1200 | 326TC | 93.0 | 80.5 | 37.5 | 822 | EP0306C ^(C) | | EPV0306C ^(C) | |
| 40 | 3600 | 324TSC | 94.1 | 90.0 | 44.2 | 635 | EP0402C | | EPV0402C | |
| 40 | 1800 | 324TC | 94.1 | 86.0 | 46.3 | 682 | EP0404C ^(C) | | EPV0404C ^(C) | |
| 40 | 1200 | 364TC | 94.1 | 86.5 | 46.0 | 1,018 | EP0406C ^(C) | | EPV0406C ^(C) | |
| 50 | 3600 | 326TSC | 94.1 | 91.0 | 54.7 | 710 | EP0502C | | EPV0502C | |
| 50 | 1800 | 326TC | 94.5 | 87.0 | 56.9 | 744 | EP0504C ^(C) | | EPV0504C ^(C) | |
| 50 | 1200 | 365TC | 94.1 | 86.0 | 57.8 | 1,172 | EP0506C ^(C) | | EPV0506C ^(C) | |
| 60 | 3600 | 364TSC | 94.1 | 93.0 | 64.2 | 839 | EP0602C | | EPV0602C | |
| 60 | 1800 | 364TC | 95.0 | 86.5 | 68.4 | 920 | EP0604C ^(C) | | EPV0604C ^(C) | |
| 60 | 1200 | 404TC | 94.5 | 87.0 | 68.3 | 1,384 | EP0606C ^(C) | | EPV0606C ^(C) | |
| 75 | 3600 | 365TSC | 94.5 | 93.0 | 79.9 | 903 | EP0752C | | EPV0752C | |
| 75 | 1800 | 365TC | 95.4 | 86.5 | 85.1 | 1,050 | EP0754C ^(C) | | EPV0754C ^(C) | |
| 75 | 1200 | 405TC | 94.5 | 86.5 | 85.9 | 1,527 | EP0756C ^(C) | | EPV0756C ^(C) | |
| 100 | 3600 | 405TSC | 95.4 | 92.0 | 107 | 1,183 | EP1002C | | EPV1002C | |
| 100 | 1800 | 405TC | 95.4 | 87.5 | 112 | 1,310 | EP1004C ^(C) | | EPV1004C ^(C) | |
| 100 | 1200 | 444TC | 95.0 | 82.5 | 119 | 1,750 | EP1006C | | EPV1006C | |
| 125 | 3600 | 444TSC | 95.0 | 86.0 | 143 | 1,654 | EP1252C | | ~ | |
| 125 | 1800 | 444TC | 95.4 | 85.0 | 144 | 1,650 | EP1254C | | ~ | |
| 125 | 1800 | 444TSC | 95.4 | 85.0 | 144 | 1,650 | EP1254CS | | ~ | |
| 125 | 1200 | 445TC | 95.0 | 83.0 | 148 | 1,750 | EP1256C | | ~ | |
| 150 | 3600 | 445TSC | 95.0 | 87.0 | 170 | 1,740 | EP1502C | | ~ | |
| 150 | 1800 | 445TC | 95.8 | 85.0 | 172 | 1,830 | EP1504C | | ~ | |
| 150 | 1800 | 445TSC | 95.8 | 85.0 | 172 | 1,830 | EP1504CS | | ~ | |
| 150 | 1200 | 447TC | 95.8 | 83.5 | 176 | 2,230 | EP1506C | | ~ | |
| 200 | 3600 | 447TSC | 95.4 | 89.0 | 221 | 1,960 | EP2002C | | ~ | |
| 200 | 1800 | 447TC | 96.2 | 87.0 | 224 | 2,270 | EP2004C | | ~ | |
| 200 | 1800 | 447TSC | 96.2 | 87.0 | 224 | 2,270 | EP2004CS | | ~ | |
| 200 | 1200 | 449TC | 95.8 | 84.0 | 233 | 2,520 | EP2006C | | ~ | |
| 250 | 3600 | 449TSC | 95.8 | 89.8 | 272 | 2,400 | EP2502C | | ~ | |
| 250 | 1800 | 449TC | 96.2 | 88.0 | 277 | 2,550 | EP2504C | | ~ | |
| 250 | 1800 | 449TSC | 96.2 | 88.0 | 277 | 2,550 | EP2504CS | | ~ | |
| 250 | 1200 | 449TC | 95.8 | 84.5 | 289 | 2,630 | EP2506C | | ~ | |
| 300 | 3600 | 449TSC | 95.8 | 90.2 | 325 | 2,640 | EP3002C | | ~ | |
| 300 | 1800 | 449TC | 96.2 | 88.0 | 332 | 2,680 | EP3004C | | ~ | |
| 300 | 1800 | 449TSC | 96.2 | 88.0 | 332 | 2,680 | EP3004CS | | ~ | |

Notes:

- (1) Motors meet design B torques, except where noted with (C).
- (2) Ratings 150 HP and larger are 460V only.
- (3) Footed C-Face Frame Size 140, BA dim = 2.25", Frame Size 180 BA dim = 2.75".
- (C) Meets NEMA Design C Torque.