

Vertical Motors Conversions & Accessories Quick Pick Chart

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

| Description | Frame Size | | | | | | | | | | |
|--|------------|-----|-----|-----|-----|-----|------|---------|------|------|--|
| | 180 | 210 | 250 | 280 | 320 | 360 | 400 | 444-447 | 449 | 5000 | |
| Bearings Extra High Thrust (175%) (#) | - | - | - | - | 5% | 5% | 5% | 5% | 5% | 5% | |
| Coupling (Change To Alternate) | NC | NC | NC | NC | NC | NC | NC | NC | NC | NC | |
| Conduit Box Accessory Conduit Box | 901 | 901 | 901 | 901 | 901 | 901 | 901 | 901 | 901 | 901 | |
| Rotate Conduit Box | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | |
| Cast Iron Conduit Box | - | - | - | - | 293 | 469 | 587 | 704 | - | - | |
| Size 2 Cast Iron Box | - | - | - | - | - | - | 1408 | 1408 | - | - | |
| Size 3 Cast Iron Box | - | - | - | - | - | - | 3477 | 3477 | 3477 | 3477 | |
| Division 2 Self Certified & Division 2 CSA Certified (Eng. Approval Req'd) | - | - | - | - | - | - | - | - | - | - | |
| Class I, Grps. A/B/C/D T1-T3 T-Codes On Main N/P @ 1.0 SF | NC | NC | NC | NC | NC | NC | NC | NC | NC | - | |
| Class I, T-Code T1-T3C On Sep. Div. 2 Plate (Self Certified) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | - | |
| Class I, T-Code T1-T3C On Sep. Div. 2 Plate (CSA) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | - | |
| Drains T-Type Breather/Drain | 70 | 70 | 94 | 94 | 94 | 117 | 117 | 117 | - | - | |
| Export Boxing (Net Adder) | (@) | (@) | (@) | (@) | (@) | (@) | (@) | (@) | (@) | (@) | |
| Flanges (Change Bracket To Alternate "BD") | NC | NC | NC | NC | NC | NC | NC | NC | NC | NC | |
| Ground Lug In Conduit Box | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | |
| Leads (Tie Back Leads) | 399 | 587 | 587 | 892 | 892 | 892 | 892 | 892 | - | - | |
| Nameplates Additional Duplicate Nameplate | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | |
| Additional Stamping On Main Nameplate | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | |
| Shipping Tag (#6 Paper Tag) | NC | NC | NC | NC | NC | NC | NC | NC | NC | NC | |
| Special I.D. Plate | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | |
| Re-Nameplate (Re-Rate) | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | |
| Firepump Label | 5% | 5% | 5% | 5% | 5% | 5% | 5% | 5% | 5% | 5% | |
| Non-Reverse Ratchet | - | - | - | - | - | - | - | - | - | - | |
| Bolted Coupling - Add or Remove | NC | NC | NC | NC | NC | NC | NC | NC | NC | NC | |
| Clockwise Non-Reverse Ratchet | - | - | - | - | 469 | 469 | 469 | 469 | 1408 | 1408 | |
| Paint, Special | 469 | 469 | 869 | 869 | 869 | 869 | 869 | 869 | 1714 | 1714 | |
| Prints & Data (Submittals) (NET ADDERS) | - | - | - | - | - | - | - | - | - | - | |
| Standard Submittals | NC | NC | NC | NC | NC | NC | NC | NC | NC | NC | |
| Speed Vs. Torque & Amps Curve (Standard 100% Voltage) | NC | NC | NC | NC | NC | NC | NC | NC | NC | NC | |
| Speed Vs. Torque & Amps Curve (Non-Standard, Multiple Voltages) | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | |
| Speed Vs. Torque & Amps Curve (Metric) | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | |
| Safe Stall Time Curve | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | |
| Acceleration Time Vs. Amps Curve | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | |
| Performance Curve (Standard) | NC | NC | NC | NC | NC | NC | NC | NC | NC | NC | |
| Performance Curve (Non-Standard) | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | |
| Performance Curve (Metric Units) | 280 | 280 | 280 | 280 | 280 | 280 | 280 | 280 | 280 | 280 | |
| Shaft Stiffness | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | |
| Torsional Analysis | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | |
| Sound Power In Watts | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | |
| Sound Pressure In dB @ 3 Feet | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | |
| Sound Data Vs. Center Band | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | |
| Customer Data Sheet | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | |
| Equivalent Circuit Data | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | |

(N) Net Adder
 (NC) No Charge if specified at time of Motor order.
 (+) Refer to Conversion Pricing Section for description.

(@) Refer to Optional Export Packing Charges Section.
 (#) Available only on Premium Efficient HOLLOSHAFT® WPI

Vertical Motors Conversions & Accessories Quick Pick Chart

DISCOUNT SYMBOL: SAME AS MOTOR BEING CONVERTED

| Description | | Frame Size | | | | | | | | | |
|--|---|------------|------|------|------|------|------|------|---------|------|------|
| | | 180 | 210 | 250 | 280 | 320 | 360 | 400 | 444-447 | 449 | 5000 |
| Prints & Data | Equivalent Circuit Data | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| | UL [®] Certificate | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| | Certificate Of Conformance | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| | Shaft Print | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| | Shaft Print With Material Strength | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| | Rotor Detail Print | 280 | 280 | 280 | 280 | 280 | 280 | 280 | 280 | 280 | 280 |
| | Rotor Detail & Shaft Print | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 |
| | Current Pulsation Analysis | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| | Bearing Life Calculation | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| | Space Heater (Double Adder For Hazardous Location Motors) | 477 | 477 | 512 | 512 | 596 | 643 | 643 | 643 | 1326 | 1326 |
| Steady Bushing Kit (Attached To Motor Eyebolt) | 202 | 202 | 202 | 202 | 300 | 300 | 300 | 300 | 418 | 418 | |
| Tests | Short Commercial Test, Un-Witnessed | 662 | 662 | 662 | 662 | 662 | 662 | 662 | 662 | 662 | |
| | Complete Initial Test, Un-Witnessed | 3580 | 3580 | 5317 | 5317 | 5317 | 5317 | 5317 | 5317 | 5317 | |
| Thermal Protection, Bearings (Upper Bracket) (#) | | - | - | - | - | - | - | - | - | - | |
| | RTD's, 10 or 120 Ohm | - | - | - | - | 1338 | 1338 | 1338 | 1338 | 1338 | |
| | RTD's, 100 Ohm | - | - | - | - | 1338 | 1338 | 1338 | 1338 | 1338 | |
| Thermal Protection, Windings | | - | - | - | - | - | - | - | - | - | |
| | Thermostats (Double Adder For Haz. Loc. Motors) | 265 | 265 | 265 | 265 | 418 | 519 | 519 | 519 | 519 | |
| | Thermistors | 472 | 472 | 472 | 472 | 669 | 669 | 876 | 876 | 876 | |
| | THERMA SENTRY [®] | 587 | 587 | 587 | 587 | 587 | 587 | 1150 | 1150 | 1150 | |
| | Thermocouples | 3434 | 3434 | 3434 | 3434 | 3434 | 3434 | 3434 | 3434 | 3434 | |
| Vibration Detector (#) | Robertshaw [®] Model 366 | - | - | - | - | 1878 | 1878 | 1878 | 1878 | - | |

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