

Three Phase Modifiable NEMA^{®†} Horizontal Motors Totally Enclosed Fan Cooled (TEFC)



Hostile Duty Close Coupled Pump Motors (JP, JM, JPY, JPZ) Premium Efficient - IE3

- * Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- * 1.15 Service Factor
- * Cast Iron Frame Construction (140: Rolled Steel)
- * Cast Iron End Brackets
- * Corrosion Resistant Mill And Chemical Duty Paint
- * Stainless Steel Nameplate And Zinc Plated Hardware

- * Shaft Slinger On Pulley End For IP54 Protection
- * Lifting Provisions On 180 Frame And Up
- * Regreasable Bearings On 250 Frame And Up
- * Self-Certified Division 2 Available With Adder
- * Non-Vent (TENV) Available With Adder
- * Air-Over (TEAO) Available With Deduct
- * Multi-Speed Available With Adder

| HP | RPM @ 60 Hertz | | | | | | | | | | | |
|------|----------------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| | 3600 | | 1800 | | 1200 | | 900 | | 720 | | 600 | |
| | Frame | List | Frame | List | Frame | List | Frame | List | Frame | List | Frame | List |
| 0.25 | 143 | \$529 | 143 | \$518 | 143 | \$704 | 145 | \$1,282 | — | — | — | — |
| 0.33 | 143 | \$529 | 143 | \$518 | 143 | \$704 | 145 | \$1,282 | — | — | — | — |
| 0.5 | 143 | \$529 | 143 | \$518 | 143 | \$704 | 145 | \$1,282 | — | — | — | — |
| 0.75 | 143 | \$529 | 143 | \$518 | 143 | \$704 | 145 | \$1,282 | — | — | — | — |
| 1 | 143 | \$529 | 143 | \$518 | 145 | \$704 | 182 | \$1,282 | 213 | \$1,731 | 215 | \$2,250 |
| 1.5 | 143 | \$584 | 145 | \$565 | 182 | \$904 | 184 | \$1,401 | 213 | \$1,892 | 254 | \$2,459 |
| 2 | 145 | \$622 | 145 | \$611 | 184 | \$996 | 213 | \$1,544 | 215 | \$2,084 | 256 | \$2,709 |
| 3 | 182 | \$886 | 182 | \$795 | 213 | \$1,216 | 215 | \$1,885 | 254 | \$2,545 | 284 | \$3,309 |
| 5 | 184 | \$1,088 | 184 | \$908 | 215 | \$1,707 | 254 | \$2,646 | 256 | \$3,572 | 286 | \$4,644 |
| 7.5 | 213 | \$1,345 | 213 | \$1,228 | 254 | \$2,260 | 256 | \$3,502 | 284 | \$4,728 | 324 | \$6,146 |
| 10 | 215 | \$1,556 | 215 | \$1,458 | 256 | \$2,683 | 284 | \$4,062 | 324 | \$5,484 | 326 | \$7,129 |
| 15 | 254 | \$2,239 | 254 | \$2,131 | 284 | \$3,664 | 286 | \$5,432 | 326 | \$7,333 | 364 | \$9,533 |
| 20 | 256 | \$2,730 | 256 | \$2,463 | 286 | \$4,439 | 324 | \$6,428 | 364 | \$8,678 | 365 | \$11,282 |
| 25 | 284 | \$3,595 | 284 | \$3,237 | 324 | \$5,281 | 326 | \$7,615 | 365 | \$10,281 | 405 | \$13,365 |
| 30 | 286 | \$4,383 | 286 | \$3,666 | 326 | \$6,232 | 364 | \$8,767 | 405 | \$11,835 | 405 | \$15,386 |
| 40 | 324 | \$5,060 | 324 | \$4,454 | 364 | \$8,393 | 365 | \$10,860 | 405 | \$14,661 | 445 | \$19,060 |
| 50 | 326 | \$6,511 | 326 | \$5,468 | 365 | \$9,669 | 404 | \$13,967 | 445 | \$18,855 | 445 | \$24,512 |
| 60 | 364 | \$8,691 | 364 | \$7,951 | 404 | \$11,392 | 405 | \$16,117 | 445 | \$21,758 | 447 | \$28,286 |
| 75 | 365 | \$10,915 | 365 | \$10,112 | 405 | \$13,431 | 444 | \$17,863 | 447 | \$24,115 | — | — |
| 100 | 405 | \$14,626 | 405 | \$12,462 | 444 | \$18,390 | 445 | \$25,245 | — | — | — | — |

* "JM" Shafts Are Defined Through 320 Frame (Larger Frames Are "TCZ").
 ** "JP" Shafts Are Defined Through 360 Frame (Larger Frames Are "TCZ").
 * 60Hz 3600, 1800, 1200 & 900 RPM Motors Comply With U.S. D.O.E.'s Efficiency Regulation 10 CFR Section 431 Subpart B – Electric Motors (See Appendix A2 & A3 For Nominal Efficiency Table)

DISCOUNT SYMBOL: DS-3PTM

† All marks shown within this document are properties of their respective owners.



Three Phase Modifiable NEMA[®] Horizontal Motors Totally Enclosed Fan Cooled (TEFC)

Cannot Be Used For Motors Covered by IHP Motor Final Rule 2016



Hostile Duty Close Coupled Pump Motors (JP, JM, JPY & JPZ) Energy Efficient

- * Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- * 1.15 Service Factor
- * Cast Iron Frame Construction (140: Rolled Steel)
- * Cast Iron End Brackets
- * Corrosion Resistant Mill And Chemical Duty Paint
- * Stainless Steel Nameplate And Zinc Plated Hardware

- * Shaft Slinger On Pulley End For IP54 Protection
- * Lifting Provisions On 180 Frame And Up
- * Regreasable Bearings On 250 Frame And Up
- * Self-Certified Division 2 Available With Adder
- * Non-Vent (TENV) Available With Adder
- * Air-Over (TEAO) Available With Deduct
- * Multi-Speed Available With Adder

| HP | RPM @ 60 Hertz | | | | | | | | | | | |
|------|----------------|----------|-------|----------|-------|----------|-------|----------|-------|------|-------|------|
| | 3600 | | 1800 | | 1200 | | 900 | | 720 | | 600 | |
| | Frame | List | Frame | List | Frame | List | Frame | List | Frame | List | Frame | List |
| 0.25 | 143 | \$476 | 143 | \$466 | 143 | \$634 | 145 | \$1,154 | — | — | — | — |
| 0.33 | 143 | \$476 | 143 | \$466 | 143 | \$634 | 145 | \$1,154 | — | — | — | — |
| 0.5 | 143 | \$476 | 143 | \$466 | 143 | \$634 | 145 | \$1,154 | — | — | — | — |
| 0.75 | 143 | \$476 | 143 | \$466 | 143 | \$634 | 145 | \$1,154 | — | — | — | — |
| 1 | 143 | \$476 | 143 | \$466 | 145 | \$634 | 182 | \$1,154 | — | — | — | — |
| 1.5 | 143 | \$526 | 145 | \$509 | 182 | \$814 | 184 | \$1,261 | — | — | — | — |
| 2 | 145 | \$560 | 145 | \$550 | 184 | \$896 | 213 | \$1,389 | — | — | — | — |
| 3 | 182 | \$797 | 182 | \$716 | 213 | \$1,095 | 215 | \$1,697 | — | — | — | — |
| 5 | 184 | \$979 | 184 | \$817 | 215 | \$1,536 | 254 | \$2,381 | — | — | — | — |
| 7.5 | 213 | \$1,211 | 213 | \$1,105 | 254 | \$2,034 | 256 | \$3,152 | — | — | — | — |
| 10 | 215 | \$1,400 | 215 | \$1,312 | 256 | \$2,414 | 284 | \$3,656 | — | — | — | — |
| 15 | 254 | \$2,015 | 254 | \$1,918 | 284 | \$3,298 | 286 | \$4,889 | — | — | — | — |
| 20 | 256 | \$2,457 | 256 | \$2,217 | 286 | \$3,995 | 324 | \$6,107 | — | — | — | — |
| 25 | 284 | \$3,236 | 284 | \$2,913 | 324 | \$5,017 | 326 | \$7,235 | — | — | — | — |
| 30 | 286 | \$3,945 | 286 | \$3,299 | 326 | \$5,920 | 364 | \$8,329 | — | — | — | — |
| 40 | 324 | \$4,807 | 324 | \$4,231 | 364 | \$7,973 | 365 | \$10,317 | — | — | — | — |
| 50 | 326 | \$6,185 | 326 | \$5,195 | 365 | \$9,186 | 404 | \$13,268 | — | — | — | — |
| 60 | 364 | \$8,257 | 364 | \$7,553 | 404 | \$10,822 | 405 | \$15,311 | — | — | — | — |
| 75 | 365 | \$10,370 | 365 | \$9,607 | 405 | \$12,759 | 444 | \$16,970 | — | — | — | — |
| 100 | 405 | \$13,894 | 405 | \$11,839 | 444 | \$17,470 | 445 | \$23,983 | — | — | — | — |

* "JM" Shafts Are Defined Through 320 Frame (Larger Frames Are "TCZ").
 ** "JP" Shafts Are Defined Through 360 Frame (Larger Frames Are "TCZ").
 * For 600 RPM, Use Standard Efficiency Or Premium Efficiency.
 * 60Hz 3600, 1800, 1200 & 900 RPM Motors Comply With U.S. D.O.E.'s Efficiency Regulation 10 CFR Section 431 Subpart B – Electric Motors (See Appendix A2 & A3 For Nominal Efficiency Table)

DISCOUNT SYMBOL: DS-3PTM

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Three Phase Modifiable NEMA[®] Horizontal Motors Totally Enclosed Fan Cooled (TEFC)

Cannot Be Used For Motors Covered by IHP Motor Final Rule 2016



Hostile Duty Close Coupled Pump Motors (JP, JM, JPY, JPZ) Standard Efficient

- * Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- * 1.15 Service Factor
- * Cast Iron Frame Construction (140: Rolled Steel)
- * Cast Iron End Brackets
- * Corrosion Resistant Mill And Chemical Duty Paint
- * Stainless Steel Nameplate And Zinc Plated Hardware

- * Shaft Slinger On Pulley End For IP54 Protection
- * Lifting Provisions On 180 Frame And Up
- * Regreasable Bearings On 250 Frame And Up
- * Self-Certified Division 2 Available With Adder
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- * Air-Over (TEAO) Available With Deduct
- * Multi-Speed Available With Adder

| HP | RPM @ 60 Hertz | | | | | | | | | | | |
|------|----------------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| | 3600 | | 1800 | | 1200 | | 900 | | 720 | | 600 | |
| | Frame | List | Frame | List | Frame | List | Frame | List | Frame | List | Frame | List |
| 0.25 | 143 | \$423 | 143 | \$414 | 143 | \$564 | 145 | \$1,026 | — | — | — | — |
| 0.33 | 143 | \$423 | 143 | \$414 | 143 | \$564 | 145 | \$1,026 | — | — | — | — |
| 0.5 | 143 | \$423 | 143 | \$414 | 143 | \$564 | 145 | \$1,026 | — | — | — | — |
| 0.75 | 143 | \$423 | 143 | \$414 | 143 | \$564 | 145 | \$1,026 | — | — | — | — |
| 1 | 143 | \$423 | 143 | \$414 | 145 | \$564 | 182 | \$1,026 | 213 | \$1,385 | 215 | \$1,800 |
| 1.5 | 143 | \$467 | 145 | \$452 | 182 | \$723 | 184 | \$1,121 | 213 | \$1,513 | 254 | \$1,967 |
| 2 | 145 | \$498 | 145 | \$489 | 184 | \$797 | 213 | \$1,235 | 215 | \$1,667 | 256 | \$2,167 |
| 3 | 182 | \$709 | 182 | \$636 | 213 | \$973 | 215 | \$1,508 | 254 | \$2,036 | 284 | \$2,647 |
| 5 | 184 | \$870 | 184 | \$726 | 215 | \$1,366 | 254 | \$2,117 | 256 | \$2,858 | 286 | \$3,715 |
| 7.5 | 213 | \$1,076 | 213 | \$982 | 254 | \$1,808 | 256 | \$2,802 | 284 | \$3,782 | 324 | \$5,532 |
| 10 | 215 | \$1,245 | 215 | \$1,166 | 256 | \$2,146 | 284 | \$3,250 | 324 | \$4,936 | 326 | \$6,416 |
| 15 | 254 | \$1,791 | 254 | \$1,705 | 284 | \$2,931 | 286 | \$4,345 | 326 | \$6,600 | 364 | \$8,580 |
| 20 | 256 | \$2,184 | 256 | \$1,970 | 286 | \$3,551 | 324 | \$5,786 | 364 | \$7,811 | 365 | \$10,154 |
| 25 | 284 | \$2,876 | 284 | \$2,590 | 324 | \$4,753 | 326 | \$6,854 | 365 | \$9,253 | 405 | \$12,028 |
| 30 | 286 | \$3,506 | 286 | \$2,933 | 326 | \$5,608 | 364 | \$7,890 | 405 | \$10,652 | 405 | \$13,847 |
| 40 | 324 | \$4,554 | 324 | \$4,009 | 364 | \$7,554 | 365 | \$9,774 | 405 | \$13,195 | 445 | \$17,154 |
| 50 | 326 | \$5,860 | 326 | \$4,921 | 365 | \$8,702 | 404 | \$12,570 | 445 | \$16,970 | 445 | \$22,060 |
| 60 | 364 | \$7,822 | 364 | \$7,156 | 404 | \$10,252 | 405 | \$14,505 | 445 | \$19,582 | 447 | \$25,457 |
| 75 | 365 | \$9,824 | 365 | \$9,101 | 405 | \$12,088 | 444 | \$16,077 | 447 | \$21,704 | — | — |
| 100 | 405 | \$13,163 | 405 | \$11,216 | 444 | \$16,551 | 445 | \$22,721 | — | — | — | — |

* "JM" Shafts Are Defined Through 320 Frame (Larger Frames Are "TCZ").

** "JP" Shafts Are Defined Through 360 Frame (Larger Frames Are "TCZ").

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