

Motor Quick Reference Guide

STANDARD MOTORS

Small and Medium AC Motors

Totally Enclosed – Sabre/ Calibre / XE- NEMA Premium

Page M-2

- 1/6 - 350 HP
- 3600, 1800, 1200, 900 RPM
- Steel, Aluminum and Cast Iron Frames
- Inverter Capable
- Std., EPACT and Premium Efficiencies



Open Drip Proof – Sabre/ Calibre / XE- NEMA Premium

Page M-17

- 3 - 500 HP
- 3600, 1800, 1200, 900 RPM
- Steel and Cast Iron Frames
- Inverter Capable on specified models
- EPACT and Premium Efficiencies



Severe Duty Motors

Totally Enclosed - XT/XEX – Extra Tough - Page M-25

- 1/3 - 350 HP
- 3600, 1800, 1200, 900 RPM
- Steel and Cast Iron Frames
- Inverter Capable on specified models
- Std, EPACT, and Premium Efficiencies



841 XL

Page M-21

- 1/2 - 250 HP
- 3600, 1800, 1200 RPM
- Cast Iron Frame
- Inverter Capable
- Premium Efficient



661XL

Page M-35

- 5 - 75 HP
- 1800, 1500 RPM
- Vertical Mount, Belted Duty
- Cast Iron Frame
- Inverter Capable
- Premium Efficient



Torque Max / Aggregate Duty Page M-37

- 5 - 350 HP
- 1800, 1200 RPM
- Cast Iron Frame
- Inverter Capable
- EPACT Efficient



Multi-Speed Cooling Tower Page M-41

- 3 – 100 HP
- 1800/900 RPM
- Cast Iron Frame
- Inverter Capable
- Premium Efficient



MINING INDUSTRY (Non-MSHA) Page M-39

- 3 - 250 HP
- 1800, 1200 RPM
- Cast Iron Frame
- Inverter Duty
- Premium Efficient

575 VOLT

575 VOLT Page M-97

- 1/3 - 350 HP
- 3600, 1800, 1200 RPM
- Steel and Cast Iron Frames
- Inverter Capable on specified models
- Std. , EPACT and Premium Efficiencies



For additional product information, go to www.reliance.com

Explosion Proof Motors

**Explosion Proof
Page M-42**

- 1/4 - 150 HP
- 3600, 1800, 1200, 900 RPM
- Steel and Cast Iron Frames
- Inverter Capable on specified models
- Std., EPACKT, Premium Efficiencies



**Explosion Proof – Extra Tough
Page M-50**

- 1/3 - 350 HP
- 3600, 1800, 1200 RPM
- Steel and Cast Iron Frames
- Inverter Capable on specified models
- Std., EPACKT, Premium Efficiencies



**Division II – XT
Page M-58**

- 1/2 - 2 HP
- 3600, 1800 RPM
- Steel Frame
- Not Inverter Capable
- EPACKT Efficient



Small and Medium AC Motors

**E-Z KLEEN PLUS
Page M-59**

- 1/2 - 20 HP
- 3600, 1800, 1200 RPM
- Steel and Cast Iron Frames
- Inverter Capable
- EPACKT and Premium Efficiencies



**E-Z KLEEN PLUS Brake Motor
Page M-67**

- 1/2 - 2 HP
- 1800 RPM
- Steel Frame
- Inverter Capable
- EPACKT Efficient



**Ultra KLEEN Stainless Motor
Page M-65**

- 1/2 - 10 HP
- 3600, 1800 RPM
- Stainless Steel Frame
- Inverter Capable
- EPACKT Efficient



Single Phase Motors

**Single Phase
Page M-71**

- 1/4 - 2 HP
- 3600, 1800, 1200 RPM
- Steel Frame
- Not Inverter Capable
- Std. Efficient



**Single Phase Extra Tough – XT
Page M-75**

- 1/3 - 2 HP
- 3600, 1800, 1200 RPM
- Steel Frame
- Not Inverter Capable
- Std. Efficient



**Single Phase E-Z KLEEN PLUS
Page M-76**

- 1/2 - 1.5 HP
- 3600, 1800 RPM
- Steel Frame
- Not Inverter Capable
- Std. Efficient



**Single Phase Explosion Proof – XP -
Page M-77**

- 1/4 - 2 HP
- 3600, 1800, 1200 RPM
- Steel Frame
- Not Inverter Capable
- Std. Efficient



**Single Phase Explosion Proof Extra
Tough – XT
Page M-81**

- 1/3 - 1 HP
- 3600, 1800 RPM
- Steel Frame
- Not Inverter Capable
- Std. Efficient



**Single Phase 50 HZ
Page M-82**

- 1/3 – 1 HP
- 1500 RPM
- Steel Frame
- Not Inverter Capable
- Std. Efficient



**Single Phase Air Over
Page M-83**

- 1/4 - 3/4 HP
- 1800, 1200 RPM
- Steel Frame
- Not Inverter Capable
- Std. Efficient



**Single Phase Brake Motor
Page M-84**

- 1/4 - 1 HP
- 1800 RPM
- Steel Frame
- Not Inverter Capable
- Std. Efficient



For pricing information or to place orders, go to www.PTplace.com

Brake Motors

**Totally Enclosed Brake Motor
Page M-85**

- 1/4 - 25 HP
- 1800 RPM
- Steel, Aluminum and Cast Iron Frames
- Inverter Capable on specified models
- Std, EPACT Efficiencies



**Short Series Brake Motor
Page M-88**

- 1/4 - 5 HP
- 1800 RPM
- Steel and Aluminum Frames
- Not Inverter Capable
- Std. Efficient



**High Cycle Brake Motor
Page M-90**

- 1/2 - 2 HP
- 1800 RPM
- Aluminum Frame
- Inverter Capable
- Special Design



**Explosion Proof Brake Motor
Page M-91**

- 1/2 - 5 HP
- 1800 RPM
- Steel and Cast Iron Frames
- Not Inverter Capable
- Std., EPACT Efficiencies



**Variable Frequency Brake Motor
Page M-93**

- 1/2 - 10 HP
- 1800 RPM
- Steel and Cast Iron Frames
- Inverter Capable
- EPACT, and Premium Efficiencies



**Variable Frequency Washdown Brake Motor
Page M-95**

- 1/2 - 10 HP
- 1800 RPM
- Steel and Cast Iron Frames
- Inverter Capable
- EPACT Efficient



IEC Motors

**METRE 1 – Totally Enclosed (IC 411) - IP55
Page M-128**

- 0.37 - 110.0 KW
- 3000, 1500 RPM
- Cast Iron Frame
- Inverter Capable
- EFF1 Compliant - Meets IEC 34-1 electrical and IEC 72-1 mechanical



Quick Reference
Industrial Motors / Drives

Standard Motors Totally Enclosed

Standard Motors Open Drip Proof

Severe Duty

Aggregate Duty

Multi Speed / Cooling Tower

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Definite Purpose Motors

**VERTICAL P-BASE
Page M-131**

- 5 - 75 HP
- 3600 RPM
- Cast Iron Frame
- Inverter Capable
- Premium Efficient



**50 HERTZ
Page M-133**

- 1/3 - 2 HP
- 1500 RPM
- Steel Frame
- Not Inverter Capable
- Std. Efficient



**AIR OVER
Page M-134**

- 1/4 - 10 HP
- 1800, 1200, 900 RPM
- Steel and Cast Iron Frames
- Inverter Capable on specified models
- Std., EPACT Efficiencies



**TENV XE CLASSIC
Page M-136**

- 1/4 - 1 HP
- 3600, 1800 RPM
- Steel Frame
- Inverter Capable
- Premium Efficient



**AUTOMOTIVE DUTY – U FRAME -
Page M-138**

- 1/4 - 100 HP
- 3600, 1800, 1200 RPM
- Steel and Cast Iron Frames
- Inverter Capable
- EPACT, and Premium Efficiencies



**JET PUMP
Page M-142**

- 1/3 - 3 HP
- 3600, 1800 RPM
- Steel Frame
- Not Inverter Capable
- Std. Efficient



**SYNCHRONOUS -
PERMANENT
MAGNET
Page M-143**

- 1/4 - 5 HP
- 3600, 1800 RPM
- Aluminum and Cast Iron Frames
- Inverter Capable
- Special Design



**SYNCHRONOUS RELUCTANCE -
Page M-144**

- 1/8 - 1.5 HP
- 1800 RPM
- Steel Frame
- Inverter Capable
- Special Design



**DRY KILN
Page M-145**

- 7.5 - 15 HP
- 1200, 900 RPM
- Cast Iron Frame
- Inverter Capable
- Premium Efficient



Submersible Motors

**Single Phase Submersible
Page M-146**

- 1 - 5 HP
- 1800, 1200 RPM
- Cast Iron Frame
- Not Inverter Capable
- Std. Efficient



**Submersible Totally Enclosed Three
Phase
Page M-147**

- 1 - 150 HP
- 3600, 1800, 1200, 900 RPM
- Cast Iron Frame
- Inverter Capable –non XP
- Std. Efficient



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Large AC Motors

LIBERATOR Large AC Motors - Page M-162

- 250 - 1500 HP
- 3600, 1800, 1200, 900 RPM
- 2300/4000 Volt Epoxy VPI Form Wound Insulation
- ODP, WP-1, WP-2, TEFC enclosures
- 3 -Year Warranty



Inverter Duty AC Motors

Vector Inverter Duty Page M-203

- 1/3 - 5 HP
- 3600, 1800, 1200 RPM
- Steel Frame
- Inverter Duty
- Special Design



Explosion Proof – Extra Tough Inverter Duty Page M-179

- 1/3 - 2 HP
- 3600, 1800, 1200 RPM
- Steel Frame
- Inverter Duty
- EPACT and Premium Efficiencies



Low Voltage Inverter Duty Page M-180

- 1/3 - 1 HP
- 1800 RPM
- Steel Frame
- Inverter Duty



V*S Master Page M-181

- Inverter Duty 2-500 HP
- Stocked 2 - 300 HP
- TEFC, TENV
- 1000:1 Constant Torque
- Encoder ready
- NEMA and IEC frames



RPM AC Page M-193

- Inverter Duty 1/3-1000 HP
- Stocked 1/3-1000 HP
- TEFC, TENV, TEBC, DPFV, Division 2
- 1000:1 Constant Torque
- Encoder ready
- NEMA and IEC frames
- Most Cost Effective Solutions
- Replaces any AC or DC motor
- New Extruder Duty DPFV product line page
- Encoder & Stub Shaft Kits



DC Motors

RPM XL Page M-238

- 1/4 - 2 HP
- 1750 and 2500 RPM Base Speeds
- 90 and 180 Volt Armatures
- Permanent Magnet and Wound Field Designs
- Std. and Washdown Duty offerings available



RPM III Page M-245

- 3 - 800 HP
- 1150 and 1750 RPM Base Speeds
- 240 and 500 Volt Armatures
- DPG, DPG-FV, TENV and TEFC enclosures available
- IP23-IC06 enclosure available in IEC frames
- A wide variety of stock modifications



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Severe Duty

Aggregate Duty

Multi Speed / Cooling Tower

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