

BALDOR • RELIANCE

**RPM AC,
Inverter Duty,
Three Phase**

5 thru 1000 Hp

Applications: Extruders, conveyors, crane & hoist systems, converting, pumps, web processing, test stands, traction duty, winders, printing.



Features: Compact square laminated steel frame FL210-L440 (FL180 is extruded aluminum) for inverter duty and vector duty 1000:1 constant torque. Premium class H insulation, 40 C ambient, 1.0 S.F. Ball bearing. Three normally closed thermostats (one per phase). Surpasses the requirements of MG1, Part 31. VPI insulation & insulated O.D.E. bearing is standard on all L440 frames. Exclusive optimum pole Inverter Duty - not for across the line operation.

| Hp | RPM | Max. RPM | NEMA Frame | Enclosure (a) | Catalog Number | List Price | Mult. Sym. | "C" Dim. | Aprx. Wt. (lb) | Voltage | Full Load Amps | Reliance M/N | |
|-----|-------|----------|------------|---------------|-----------------------------|-----------------------------|----------------------------|----------|----------------|---------|----------------|--------------|---------|
| 5 | 1800 | 3500 | FL1838C | TENV | IDNRP18054C ^(b) | 2,830 | E2 | 17.87 | 143 | 230/460 | 7.4 | P18T348 | |
| | 7 1/2 | 1800 | FL1852C | TENV | IDNRP18074C ^(c) | 3,254 | E2 | 21.87 | 194 | 230/460 | 11 | P18T349 | |
| 10 | 1800 | 3500 | FL1844C | TEFC | IDFRPM18104C ^(c) | 3,379 | E2 | 23.26 | 179 | 230/460 | 13.9 | P18T350 | |
| | | | FL2162C | TENV | IDNRP21104C ^(c) | 3,854 | E2 | 23.11 | 280 | 230/460 | 13.6 | P21T398 | |
| 15 | 1800 | 3500 | FL1844C | TEBC | IDBRPM18154C ^(d) | 3,491 | E2 | 23.89 | 180 | 460 | 21 | P18T359 | |
| | | | FL2162C | TEFC | IDFRPM21154C ^(d) | 3,967 | E2 | 26.74 | 290 | 460 | 20 | P21T397 | |
| 20 | 1800 | 3500 | FL1852C | TEBC | IDDRPM18204C ^(d) | 3,848 | E2 | 25.89 | 209 | 460 | 27 | P18T268 | |
| | | | FL2162C | TEFC | IDFRPM21204C ^(d) | 4,134 | E2 | 26.74 | 290 | 460 | 27 | P21T283 | |
| 25 | 1800 | 2600 | FL1844C | DPG-FV | IDDRPM18254C ^(d) | 4,050 | E2 | 22.32 | 200 | 460 | 33 | P18T330 | |
| | | | FL2162C | TEBC | IDBRPM21254C ^(d) | 4,479 | E2 | 26.74 | 290 | 460 | 34 | P21T287 | |
| | | | FL2173C | TEFC | IDFRPM21254C ^(d) | 4,545 | E2 | 29.50 | 355 | 460 | 34 | P21T286 | |
| 30 | 1800 | 3475 | FL1852C | DPG-FV | IDDRPM18304C ^(d) | 4,213 | E2 | 23.32 | 230 | 460 | 39 | P18T331 | |
| | | | FL2162C | TEBC | IDBRPM21304C ^(d) | 4,742 | E2 | 26.74 | 290 | 460 | 40 | P21T294 | |
| | | | FL2570C | TEFC | IDFRPM25304C ^(d) | 4,783 | E2 | 29.54 | 475 | 460 | 38 | P25T299 | |
| 40 | 1800 | 2000 | RL2162 | DPG-FV | IDDRPM21404 ^(e) | 4,908 | E2 | 23.12 | 305 | 460 | 50 | P21R211 | |
| | | | FL2173 | TEBC | IDBRPM21404 ^(e) | 4,949 | E2 | 29.25 | 355 | 460 | 51 | P21T285 | |
| | | | FL2586 | TEFC | IDFRPM25404 ^(e) | 5,204 | E2 | 33.79 | 605 | 460 | 51 | P25T279 | |
| 50 | 1800 | 2000 | RL2168 | DPG-FV | IDDRPM21504 ^(e) | 5,474 | E2 | 24.62 | 345 | 460 | 62 | P21R254 | |
| | | | FL2570 | TEBC | IDBRPM25504 ^(e) | 6,345 | E2 | 29.79 | 475 | 460 | 63 | P25T300 | |
| | | | 1200 | 1300 | RL2570 | DPG-FV | IDDRPM25506 ^(e) | 7,920 | E2 | 26.38 | 480 | 460 | 64 |
| 60 | 1800 | 2200 | RL2168 | DPG-FV | IDDRPM21604 ^(e) | 6,607 | E2 | 24.62 | 345 | 460 | 74 | P21R247 | |
| | | | 3500 | FL2578 | TEBC | IDBRPM25604 ^(e) | 8,148 | E2 | 31.79 | 540 | 460 | 75 | P25T302 |
| 75 | 1800 | 1300 | RL2578 | DPG-FV | IDDRPM25606 ^(e) | 8,813 | E2 | 28.38 | 545 | 460 | 73 | P25R237 | |
| | | | 2500 | RL2570 | DPG-FV | IDDRPM25754 ^(e) | 7,935 | E2 | 26.38 | 480 | 460 | 96 | P25R209 |
| | | | 3500 | FL2586 | TEBC | IDBRPM25754 ^(e) | 9,731 | E2 | 33.79 | 605 | 460 | 92 | P25T303 |
| 100 | 1800 | 1300 | RL2586 | DPG-FV | IDDRPM25756 ^(e) | 10,906 | E2 | 30.38 | 615 | 460 | 91 | P25R238 | |
| | | | 2000 | RL2578 | DPG-FV | IDDRPM251004 ^(e) | 9,621 | E2 | 28.38 | 545 | 460 | 119 | P25R239 |
| | | | 3500 | L2898 | TEBC | IDBRPM281004 ^(e) | 12,731 | E2 | 38.00 | 1,045 | 460 | 123 | P28L232 |
| 125 | 1800 | 1450 | RL2882 | DPG-FV | IDDRPM281006 ^(e) | 14,583 | E2 | 37.25 | 775 | 460 | 124 | P28L239 | |
| | | | 2000 | RL2586 | DPG-FV | IDDRPM251254 ^(e) | 12,751 | E2 | 30.38 | 615 | 460 | 148 | P25R233 |
| | | | 3500 | L3203 | TEBC | IDBRPM321254 ^(e) | 16,324 | E2 | 44.25 | 1,170 | 460 | 150 | P32L230 |
| 150 | 1800 | 2000 | RL2898 | DPG-FV | IDDRPM281256 ^(e) | 17,638 | E2 | 41.25 | 1,065 | 460 | 159 | P28L237 | |
| | | | 2000 | L2882 | DPG-FV | IDDRPM281506 ^(e) | 14,237 | E2 | 37.25 | 775 | 460 | 180 | P28L238 |
| | | | 3500 | L3213 | TEBC | IDBRPM321504 ^(e) | 21,840 | E2 | 46.75 | 1,310 | 460 | 177 | P32L228 |
| 200 | 1800 | 2400 | L3203 | DPG-FV | IDDRPM321506 ^(e) | 20,440 | E2 | 39.88 | 1,185 | 460 | 180 | P32L235 | |
| | | | 2600 | L2898 | DPG-FV | IDDRPM282004 ^(e) | 19,075 | E2 | 41.25 | 1,065 | 460 | 237 | P28L233 |
| | | | 3500 | L3614 | TEBC | IDBRPM362004 ^(e) | 24,161 | E2 | 42.75 | 1,700 | 460 | 227 | P36L237 |
| | | | L4022 | TEBC | IDBRPM402004 ^(e) | 26,069 | E2 | 42.12 | 1,750 | 460 | 227 | P40L201 | |
| | 1200 | 2000 | L3213 | DPG-FV | IDDRPM322006 ^(e) | 25,433 | E2 | 42.38 | 1,325 | 460 | 236 | P32L233 | |

(a) All TEBC and DPG-FV have integral blower rated 230/460 volts 3 phase.

(b) Foot mounted and 180TC face.

(c) Foot mounted and 210TC face.

(d) Foot mounted and 250TC face.

(e) Foot mounted only.

(f) Foot mounted only. These stock models include VPI insulation on L440 only, insulated ODE bearing, shaft ground brush, and stator RTD's.

(g) Foot mounted only. Includes filter, VPI, insulated ODE bearing and two sets of thermostats.

ENCODER MOUNTING PROVISIONS - INCLUDE MACHINED ODE BRACKET AND SHAFT TAPPED FOR STUB SHAFT CONTINUOUS CONSTANT TORQUE TO ZERO SPEED

RPM AC, Inverter Duty, Three Phase

| Hp | RPM | Max. RPM | NEMA Frame | Enclosure ^(a) | Catalog Number | List Price | Mult. Sym. | "C" Dim. | Aprx. Wt. (lb) | Voltage | Full Load Amps | Reliance M/N |
|-------|------|----------|------------|--------------------------|------------------------------------|------------|------------|----------|----------------|---------|----------------|--------------|
| 250 | 1800 | 2945 | L3203 | DPG-FV | IDDRPM322504^(e) | 21,840 | E2 | 39.88 | 1,185 | 460 | 290 | P32L234 |
| | | 3500 | L4034 | TEBC | IDBRPM402504^(e) | 30,250 | E2 | 45.12 | 2,150 | 460 | 283 | P40L202 |
| 300 | 1800 | 2000 | L3614 | DPG-FV | IDDRPM362504^(e) | 26,125 | E2 | 45.00 | 1,715 | 460 | 289 | P36L207 |
| | | 2500 | L3213 | DPG-FV | IDDRPM323004^(e) | 25,433 | E2 | 42.38 | 1,325 | 460 | 350 | P32L229 |
| | 1200 | 3500 | L4046 | TEBC | IDBRPM403004^(e) | 37,119 | E2 | 48.12 | 2,450 | 460 | 336 | P40L203 |
| | | 2000 | L4034 | DPG-FV | IDDRPM403006^(e) | 33,326 | E2 | 52.00 | 2,000 | 460 | 360 | P40L205 |
| 350 | 1800 | 2200 | L3614 | DPG-FV | IDDRPM363504^(e) | 28,854 | E2 | 45.00 | 1,715 | 460 | 401 | P36L210 |
| 400 | 1800 | 2500 | L3614 | DPG-FV | IDDRPM364004^(e) | 32,206 | E2 | 45.00 | 1,715 | 460 | 477 | P36L212 |
| | 1200 | 2000 | L4046 | DPG-FV | IDDRPM404006^(e) | 48,655 | E2 | 55.00 | 2,000 | 460 | 451 | P40L237 |
| 500 | 1800 | 2400 | L4034 | DPG-FV | IDDRPM405004^(f) | 42,517 | E2 | 52.00 | 2,000 | 460 | 557 | P40L1315 |
| | 1200 | 2380 | L4461 | DPG-FV | IDDRPM445006^(g) | 74,142 | E2 | 63.63 | 3,889 | 460 | 669 | P44L1358 |
| 600 | 1800 | 2200 | L4046 | DPG-FV | IDDRPM406004^(f) | 51,833 | E2 | 55.00 | 2,000 | 460 | 666 | P40L1316 |
| 700 | 1800 | 2300 | L4429 | DPG-FV | IDDRPM447004^(f) | 64,688 | E2 | 55.63 | 3,004 | 460 | 875 | P44L1320 |
| 1,000 | 1800 | 2000 | L4461 | DPG-FV | IDDRPM4410004^(f) | 81,067 | E2 | 63.63 | 3,889 | 460 | 1,202 | P44L1344 |

^(a) All TEBC and DPG-FV have integral blower rated 230/460 volts 3 phase.

^(b) Foot mounted and 180TC face.

^(c) Foot mounted and 210TC face.

^(d) Foot mounted and 250TC face.

^(e) Foot mounted only.

^(f) Foot mounted only. These stock models include VPI insulation on L440 only, insulated ODE bearing, shaft ground brush, and stator RTD's.

^(g) Foot mounted only. Includes filter, VPI, insulated ODE bearing and two sets of thermostats.

ENCODER MOUNTING PROVISIONS - INCLUDE MACHINED ODE BRACKET AND SHAFT TAPPED FOR STUB SHAFT CONTINUOUS CONSTANT TORQUE TO ZERO SPEED

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes