

**Metric IEC
Frame Motors,
Three Phase, 60 Hz,
230/460 Volts**

0.18 thru 1.5 kW (.25 thru 2 Hp)

IEC D63 thru D90L

Applications: Replacement motors for equipment made in Europe requiring IEC metric frame mounting.

Features: IP55 weather proof enclosure, aluminum frame construction. Conforms to IEC 60072-1 and IEC 60034-1. CSA and CSAus #1282269 (LR112981).



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 Start & Dynamic Brakes

| kW/HP | RPM | IEC Frame | Catalog Number | List Price | Mult. Sym. | "Q" Dim. | Aprx. Wt. (lb) | Full Load Efficiency | Voltage | Full Load Amps | Notes (a) |
|---------------------------|------|-----------|----------------|------------|------------|----------|----------------|----------------------|---------|----------------|-----------|
| B3, Foot Mounted | | | | | | | | | | | |
| .18/.25 | 3600 | D63 | MM5100 | 185 | K | 8.74 | 9 | 64 | 230/460 | 0.5 | 1,48,106 |
| | 1800 | D63 | MM5150 | 193 | K | 8.74 | 12 | 64 | 230/460 | 0.6 | 1,48,106 |
| .25/.33 | 3600 | D63 | MM5200 | 215 | K | 8.74 | 10 | 62 | 230/460 | 0.7 | 1,48,106 |
| | 1800 | D71 | MM5250 | 226 | K | 9.60 | 11 | 64 | 230/460 | 0.8 | 1,48,106 |
| .37/.50 | 3600 | D71 | MM5300 | 231 | K | 9.60 | 13 | 66 | 230/460 | 1 | 1,48,106 |
| | 1800 | D71 | MM5350 | 235 | K | 9.60 | 16 | 72 | 230/460 | 0.9 | 1,48,106 |
| .55/.75 | 3600 | D71 | MM5400 | 240 | K | 9.60 | 17 | 70.5 | 230/460 | 1.4 | 1,48,106 |
| | 1800 | D80 | MM5450 | 255 | K | 11.26 | 22 | 75.5 | 230/460 | 1.3 | 1,48,106 |
| .75/1.0 | 3600 | D80 | MM5500 | 273 | K | 11.26 | 20 | 76 | 230/460 | 1.6 | 1,48,106 |
| | 1800 | D80 | MM5550 | 277 | K | 11.26 | 23 | 82.5 | 230/460 | 1.7 | 1,48,106 |
| 1.1/1.5 | 3600 | D80 | MM5600 | 304 | K | 11.26 | 23 | 82.5 | 230/460 | 2.1 | 1,48,106 |
| | 1800 | D90S | MM5650 | 311 | K | 11.93 | 26 | 84.5 | 230/460 | 2.1 | 1,48,106 |
| 1.5/2.0 | 3600 | D90S | MM5700 | 323 | K | 11.93 | 34 | 84 | 230/460 | 2.8 | 1,48,106 |
| | 1800 | D90L | MM5750 | 334 | K | 12.91 | 37 | 84 | 230/460 | 3.1 | 1,48,106 |
| B5, Flange Mounted | | | | | | | | | | | |
| .18/.25 | 3600 | D63D | MVM5100D | 213 | K | 8.74 | 10 | 63 | 230/460 | 0.5 | 1,48,106 |
| | 1800 | D63D | MVM5150D | 221 | K | 8.74 | 13 | 64 | 230/460 | 0.6 | 1,48,106 |
| .25/.33 | 3600 | D63D | MVM5200D | 245 | K | 8.74 | 11 | 62 | 230/460 | 0.7 | 1,48,106 |
| | 1800 | D71D | MVM5250D | 253 | K | 9.60 | 12 | 64 | 230/460 | 0.8 | 1,48,106 |
| .37/.50 | 3600 | D71D | MVM5300D | 252 | K | 9.60 | 14 | 66 | 230/460 | 1 | 1,48,106 |
| | 1800 | D71D | MVM5350D | 262 | K | 9.60 | 17 | 72 | 230/460 | 1 | 1,48,106 |
| .55/.75 | 3600 | D71D | MVM5400D | 267 | K | 9.60 | 18 | 70.5 | 230/460 | 1.4 | 1,48,106 |
| | 1800 | D80D | MVM5450D | 285 | K | 11.26 | 23 | 75.5 | 230/460 | 1.3 | 1,48,106 |
| .75/1.0 | 3600 | D80D | MVM5500D | 292 | K | 11.26 | 21 | 76 | 230/460 | 1.6 | 1,48,106 |
| | 1800 | D80D | MVM5550D | 307 | K | 11.26 | 24 | 82.5 | 230/460 | 1.7 | 1,48,106 |
| 1.1/1.5 | 3600 | D80D | MVM5600D | 334 | K | 11.26 | 24 | 82.5 | 230/460 | 2.1 | 1,48,106 |
| | 1800 | D90SD | MVM5650D | 340 | K | 11.93 | 27 | 84.5 | 230/460 | 2.1 | 1,48,106 |
| 1.5/2.0 | 3600 | D90SD | MVM5700D | 371 | K | 11.93 | 35 | 84 | 230/460 | 2.8 | 1,48,106 |
| | 1800 | D90LD | MVM5750D | 380 | K | 12.91 | 38 | 84 | 230/460 | 3.1 | 1,48,106 |
| B14, Face Mounted | | | | | | | | | | | |
| .18/.25 | 3600 | D63C | MVM5100C | 208 | K | 8.74 | 9 | 63 | 230/460 | 0.5 | 1,48,106 |
| | 1800 | D63C | MVM5150C | 215 | K | 8.74 | 12 | 64 | 230/460 | 0.6 | 1,48,106 |
| .25/.33 | 3600 | D63C | MVM5200C | 241 | K | 8.74 | 10 | 62 | 230/460 | 0.7 | 1,48,106 |
| | 1800 | D71C | MVM5250C | 248 | K | 9.60 | 11 | 64 | 230/460 | 0.8 | 1,48,106 |
| .37/.50 | 3600 | D71C | MVM5300C | 249 | K | 9.60 | 13 | 66 | 230/460 | 1 | 1,48,106 |
| | 1800 | D71C | MVM5350C | 258 | K | 9.60 | 16 | 72 | 230/460 | 1 | 1,48,106 |
| .55/.75 | 3600 | D71C | MVM5400C | 262 | K | 9.60 | 17 | 70.5 | 230/460 | 1.4 | 1,48,106 |
| | 1800 | D80C | MVM5450C | 278 | K | 11.26 | 22 | 75.5 | 230/460 | 1.3 | 1,48,106 |
| .75/1.0 | 3600 | D80C | MVM5500C | 287 | K | 11.26 | 20 | 76 | 230/460 | 1.6 | 1,48,106 |
| | 1800 | D80C | MVM5550C | 302 | K | 11.26 | 23 | 82.5 | 230/460 | 1.7 | 1,48,106 |
| 1.1/1.5 | 3600 | D80C | MVM5600C | 328 | K | 11.26 | 23 | 82.5 | 230/460 | 2.1 | 1,48,106 |
| | 1800 | D90SC | MVM5650C | 332 | K | 11.93 | 26 | 84.5 | 230/460 | 2.1 | 1,48,106 |
| 1.5/2.0 | 3600 | D90SC | MVM5700C | 361 | K | 11.93 | 34 | 84 | 230/460 | 2.8 | 1,48,106 |
| | 1800 | D90LC | MVM5750C | 371 | K | 12.91 | 37 | 84 | 230/460 | 3.1 | 1,48,106 |

(a) See notes on inside back flap and pages 5-6.

**Metric IEC
Frame Motors,
Three Phase,
60 Hz, 575 Volts**

0.18 thru 1.5 kW (.25 thru 2 Hp)

IEC D63 thru D90L

Applications: Replacement motors for equipment made in Europe requiring IEC metric frame mounting.

Features: IP55 weather proof enclosure, aluminum frame construction. Conforms to IEC 60072-1 and IEC 60034-1. CSA and CSAus #1282269 (LR112981).



| kW/Hp | RPM | IEC Frame | Catalog Number | List Price | Mult. Sym. | "Q" Dim. | Aprx. Wt. (lb) | Full Load Efficiency | Voltage | Full Load Amps | Notes (a) |
|---------------------------|------|-----------|----------------|------------|------------|----------|----------------|----------------------|---------|----------------|-----------|
| B3, Foot Mounted | | | | | | | | | | | |
| .18/.25 | 3600 | D63 | MM5100-5 | 185 | K | 8.74 | 9 | 63 | 575 | 0.4 | 1,106 |
| | 1800 | D63 | MM5150-5 | 193 | K | 8.74 | 12 | 64 | 575 | 0.5 | 1,106 |
| .25/.33 | 3600 | D63 | MM5200-5 | 215 | K | 8.74 | 10 | 62 | 575 | 0.6 | 1,106 |
| | 1800 | D71 | MM5250-5 | 226 | K | 9.60 | 11 | 64 | 575 | 0.6 | 1,106 |
| .37/.50 | 3600 | D71 | MM5300-5 | 231 | K | 9.60 | 13 | 66 | 575 | 0.8 | 1,106 |
| | 1800 | D71 | MM5350-5 | 235 | K | 9.60 | 16 | 72 | 575 | 0.7 | 1,106 |
| .55/.75 | 3600 | D71 | MM5400-5 | 240 | K | 9.60 | 17 | 70.5 | 575 | 1.1 | 1,106 |
| | 1800 | D80 | MM5450-5 | 255 | K | 11.26 | 22 | 75.5 | 575 | 1.1 | 1,106 |
| .75/1.0 | 3600 | D80 | MM5500-5 | 273 | K | 11.26 | 20 | 76 | 575 | 1.2 | 1,106 |
| | 1800 | D80 | MM5550-5 | 277 | K | 11.26 | 20 | 82.5 | 575 | 1.4 | 1,106 |
| 1.1/1.5 | 3600 | D80 | MM5600-5 | 304 | K | 11.26 | 23 | 82.5 | 575 | 1.7 | 1,106 |
| | 1800 | D90S | MM5650-5 | 311 | K | 11.93 | 26 | 84.5 | 575 | 1.7 | 1,106 |
| 1.5/2.0 | 3600 | D90S | MM5700-5 | 323 | K | 11.93 | 34 | 84 | 575 | 2.2 | 1,106 |
| | 1800 | D90L | MM5750-5 | 334 | K | 12.91 | 37 | 84 | 575 | 2.5 | 1,106 |
| B5, Flange Mounted | | | | | | | | | | | |
| .18/.25 | 3600 | D63D | MVM5100D-5 | 213 | K | 8.74 | 10 | 63 | 575 | 0.4 | 1,106 |
| | 1800 | D63D | MVM5150D-5 | 221 | K | 8.74 | 13 | 64 | 575 | 0.5 | 1,106 |
| .25/.33 | 3600 | D63D | MVM5200D-5 | 245 | K | 8.74 | 11 | 62 | 575 | 0.6 | 1,106 |
| | 1800 | D71D | MVM5250D-5 | 253 | K | 9.60 | 12 | 64 | 575 | 0.6 | 1,106 |
| .37/.50 | 3600 | D71D | MVM5300D-5 | 252 | K | 9.60 | 14 | 66 | 575 | 0.8 | 1,106 |
| | 1800 | D71D | MVM5350D-5 | 262 | K | 9.60 | 17 | 72 | 575 | 0.8 | 1,106 |
| .55/.75 | 3600 | D71D | MVM5400D-5 | 267 | K | 9.60 | 18 | 70.5 | 575 | 1.1 | 1,106 |
| | 1800 | D80D | MVM5450D-5 | 285 | K | 11.26 | 23 | 75.5 | 575 | 1.1 | 1,106 |
| .75/1.0 | 3600 | D80D | MVM5500D-5 | 292 | K | 11.26 | 21 | 76 | 575 | 1.2 | 1,106 |
| | 1800 | D80D | MVM5550D-5 | 307 | K | 11.26 | 24 | 82.5 | 575 | 1.4 | 1,106 |
| 1.1/1.5 | 3600 | D80D | MVM5600D-5 | 334 | K | 11.26 | 24 | 82.5 | 575 | 1.7 | 1,106 |
| | 1800 | D90SD | MVM5650D-5 | 340 | K | 11.93 | 27 | 84.5 | 575 | 1.7 | 1,106 |
| 1.5/2.0 | 3600 | D90SD | MVM5700D-5 | 371 | K | 11.93 | 35 | 84 | 575 | 2.2 | 1,106 |
| | 1800 | D90LD | MVM5750D-5 | 380 | K | 12.91 | 38 | 84 | 575 | 2.5 | 1,106 |
| B14, Face Mounted | | | | | | | | | | | |
| .18/.25 | 3600 | D63C | MVM5100C-5 | 208 | K | 8.74 | 9 | 63 | 575 | 0.4 | 1,106 |
| | 1800 | D63C | MVM5150C-5 | 215 | K | 8.74 | 12 | 64 | 575 | 0.5 | 1,106 |
| .25/.33 | 3600 | D63C | MVM5200C-5 | 241 | K | 8.74 | 10 | 62 | 575 | 0.6 | 1,106 |
| | 1800 | D71C | MVM5250C-5 | 248 | K | 9.60 | 11 | 64 | 575 | 0.6 | 1,106 |
| .37/.50 | 3600 | D71C | MVM5300C-5 | 249 | K | 9.60 | 13 | 66 | 575 | 0.8 | 1,106 |
| | 1800 | D71C | MVM5350C-5 | 258 | K | 9.60 | 16 | 72 | 575 | 0.7 | 1,106 |
| .55/.75 | 3600 | D71C | MVM5400C-5 | 262 | K | 9.60 | 17 | 70.5 | 575 | 1.1 | 1,106 |
| | 1800 | D80C | MVM5450C-5 | 278 | K | 11.26 | 22 | 75.5 | 575 | 1.1 | 1,106 |
| .75/1.0 | 3600 | D80C | MVM5500C-5 | 287 | K | 11.26 | 20 | 76 | 575 | 1.2 | 1,106 |
| | 1800 | D80C | MVM5550C-5 | 302 | K | 11.26 | 23 | 82.5 | 575 | 1.4 | 1,106 |
| 1.1/1.5 | 3600 | D80C | MVM5600C-5 | 395 | K | 11.26 | 23 | 82.5 | 575 | 1.2 | 1,106 |
| | 1800 | D90SC | MVM5650C-5 | 332 | K | 11.93 | 26 | 84.5 | 575 | 1.7 | 1,106 |
| 1.5/2.0 | 3600 | D90SC | MVM5700C-5 | 361 | K | 11.93 | 34 | 84 | 575 | 2.2 | 1,106 |
| | 1800 | D90LC | MVM5750C-5 | 371 | K | 12.91 | 37 | 84 | 575 | 2.5 | 1,106 |

(a) See notes on inside back flap and pages 5-6.

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

**Metric IEC
Frame Motors,
Three Phase,
60 Hz**

0.18 thru 1.5 kW (.25 thru 2 Hp) IEC D63 thru D90L

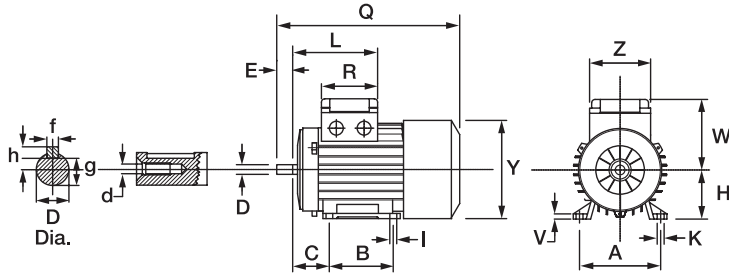
Dimensions are for aluminum frame IEC motors on pages 180-181 only.



Dimensions

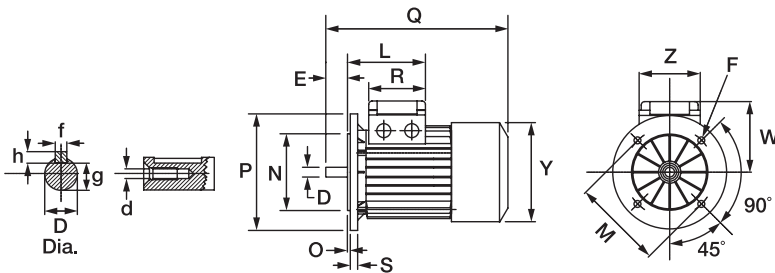
| IEC Frame | Ø D | E | f | g | h | L | Q | R | V | Y | Z | d |
|-----------|-----|----|---|------|---|-----|-----|------|------|-----|------|----|
| 63 | 11 | 23 | 4 | 8.5 | 4 | 130 | 222 | 81 | 7 | 120 | 75 | M4 |
| 71 | 14 | 30 | 5 | 11 | 5 | 148 | 244 | 81 | 8.5 | 150 | 75 | M5 |
| 80 | 19 | 40 | 6 | 15.5 | 6 | 162 | 286 | 81 | 9.5 | 170 | 75 | M6 |
| 90 S | 24 | 50 | 8 | 20 | 7 | 171 | 303 | 98.5 | 10.5 | 185 | 98.5 | M8 |
| 90 L | 24 | 50 | 8 | 20 | 7 | 196 | 328 | 98.5 | 10.5 | 185 | 98.5 | M8 |

B3 - Foot Mount



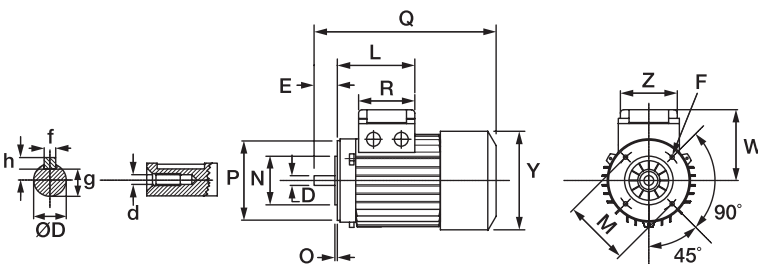
| IEC Frame | A | B | C | H | I | K | W |
|-----------|-----|-----|----|----|----|------|-----|
| 63 | 100 | 80 | 40 | 63 | 8 | 10.5 | 89 |
| 71 | 112 | 90 | 45 | 71 | 7 | 10.5 | 102 |
| 80 | 125 | 100 | 50 | 80 | 9 | 14 | 113 |
| 90 S | 140 | 100 | 56 | 90 | 10 | 14 | 127 |
| 90 L | 140 | 125 | 56 | 90 | 10 | 14 | 127 |

B5 - Flange Mount



| IEC Frame | F | Ø M | Ø N | O | Ø P | S |
|-----------|------|-----|-----|-----|-----|----|
| 63 | 9.5 | 115 | 95 | 3 | 140 | 10 |
| 71 | 9.5 | 130 | 110 | 3.5 | 160 | 12 |
| 80 | 11.5 | 165 | 130 | 3.5 | 200 | 12 |
| 90 S | 11.5 | 165 | 130 | 3.5 | 200 | 12 |
| 90 L | 11.5 | 165 | 130 | 3.5 | 200 | 12 |

B14 - Face Mount



| IEC Frame | F | Ø M | Ø N | O | Ø P |
|-----------|----|-----|-----|-----|-----|
| 63 | M5 | 75 | 60 | 2.5 | 90 |
| 71 | M6 | 85 | 70 | 2.5 | 105 |
| 80 | M6 | 100 | 80 | 3 | 120 |
| 90 S | M8 | 115 | 95 | 3 | 140 |
| 90 L | M8 | 115 | 95 | 3 | 140 |

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 Start & Dynamic Brakes

**Super-E,
Metric IEC Motors,
Three Phase, 50 Hz,
230/400 & 400 Volts**

4 thru 200 kW (5-268 Hp)

IEC D112M thru D315M

Applications: Pumps, compressors, fans, conveyors and other general purpose three phase applications.

Features: Suitable for mounting in any position. Cast iron frame, endplates conduit box and fan cover. Metric hardware and terminal strip in conduit box. Re-greasing provisions and thermistors on 11kW (D160 frame) and larger. IP55 protection. Wye-delta connection. Complies with AS/NZS 1359.5.2005 High-Efficiency MEPS, exceeds Eff 1 CENELEC. ISR® (Inverter Spike Resistant) magnet wire. UL, CSA and CE compliant.



| KW/Hp | RPM | IEC Frame | Catalog Number | List Price | Mult. Sym. | "L" Dim. (in) | Aprx. Wt. (lb) | Full Load Efficiency ^(a) | Voltage | Full Load Amps | Notes ^(b) |
|---------|------|-----------|---------------------------|------------|------------|---------------|----------------|-------------------------------------|---------|----------------|----------------------|
| 4/5 | 3000 | D112M | EM11042-57 | 1,091 | L1 | 15.12 | 42 | 89.3 | 230/400 | 7 | 1,48,52 |
| | 1500 | D112M | EM11044-57 | 913 | L1 | — | 45 | 89.9 | 230/400 | 8.5 | 1,48,52 |
| 5.5/7.5 | 3000 | D132S | EM13062-58 | 1,264 | L1 | 18.23 | 58 | 90.1 | 400 | 10 | 1,48,52 |
| | 1500 | D132S | EM13064-58 | 1,218 | L1 | 18.23 | 60 | 90.7 | 400 | 10.4 | 1,48,52 |
| 7.5/10 | 3000 | D132S | EM13082-58 | 1,482 | L1 | 18.23 | 63 | 90.9 | 400 | 13.4 | 1,48,52 |
| | 1500 | D132M | EM13084-58 | 1,366 | L1 | 18.23 | 73 | 91.5 | 400 | 14.2 | 1,48,52 |
| 11/15 | 3000 | D160M | EM16112-58 ^(c) | 2,133 | L1 | 23.50 | 105 | 92.4 | 400 | 20.3 | 1,48,52 |
| | 1500 | D160M | EM16114-58 ^(c) | 1,970 | L1 | 23.50 | 115 | 92.4 | 400 | 20.5 | 1,48,52 |
| 15/20 | 3000 | D160M | EM16152-58 ^(c) | 2,333 | L1 | 23.50 | 118 | 93 | 400 | 26 | 1,48,52 |
| | 1500 | D160L | EM16154-58 ^(c) | 2,369 | L1 | 23.50 | 135 | 93 | 400 | 27.5 | 1,48,52 |
| 18.5/25 | 3000 | D160L | EM16192-58 ^(c) | 3,016 | L1 | 23.50 | 133 | 93 | 400 | 32 | 1,48,52 |
| | 1500 | D180M | EM18194-58 ^(c) | 3,071 | L1 | 27.48 | 175 | 93.6 | 400 | 33.5 | 1,48,52 |
| 22/30 | 3000 | D180M | EM18222-58 ^(c) | 3,567 | L1 | 27.48 | 178 | 93.3 | 400 | 38.5 | 1,48,52 |
| | 1500 | D180L | EM18224-58 ^(c) | 3,627 | L1 | 27.48 | 203 | 93.6 | 400 | 43.5 | 1,48,52 |
| 30/40 | 3000 | D200M | EM20302-58 ^(c) | 4,595 | L1 | 29.45 | 250 | 93.9 | 400 | 51.5 | 1,48,52 |
| | 1500 | D200L | EM20304-58 ^(c) | 4,715 | L1 | 29.45 | 275 | 94.2 | 400 | 54.7 | 1,48,52 |
| 37/50 | 3000 | D200M | EM20372-58 ^(c) | 5,304 | L1 | 29.45 | 270 | 94.2 | 400 | 63.8 | 1,48,52 |
| | 1500 | D225M | EM22374-58 ^(c) | 5,145 | L1 | 32.48 | 310 | 94.5 | 400 | 67.4 | 1,48,52 |
| 45/60 | 3000 | D225S | EM22452-58 ^(c) | 7,415 | L1 | 31.30 | 335 | 94.6 | 400 | 77.8 | 1,48,52 |
| | 1500 | D225M | EM22454-58 ^(c) | 7,363 | L1 | 32.48 | 330 | 94.8 | 400 | 79.7 | 1,48,52 |
| 55/75 | 3000 | D250S | EM25552-58 ^(c) | 8,613 | L1 | 36.30 | 420 | 94.9 | 400 | 92.2 | 1,48,52 |
| | 1500 | D250M | EM25554-58 ^(c) | 8,595 | L1 | 36.30 | 420 | 95 | 400 | 95.5 | 1,48,52 |
| 75/100 | 3000 | D280S | EM28752-58 ^(c) | 10,909 | L1 | 41.14 | 625 | 95.4 | 400 | 130 | 1,48,52 |
| | 1500 | D250M | EM25754-58 ^(c) | 10,825 | L1 | 36.30 | 625 | 95.5 | 400 | 135 | 1,48,52 |
| 90/125 | 3000 | D280S | EM28902-58 ^(c) | 14,812 | L1 | 41.14 | 665 | 95.5 | 400 | 151 | 1,48,52 |
| | 1500 | D280M | EM28904-58 ^(c) | 14,571 | L1 | 42.48 | 665 | 95.7 | 400 | 158 | 1,48,52 |
| 110/150 | 3000 | D315S | EM31112-58 ^(c) | 17,571 | L1 | 45.94 | 880 | 95.8 | 400 | 193 | 1,48,52 |
| | 1500 | D315M | EM31114-58 ^(c) | 17,054 | L1 | 44.76 | 900 | 96 | 400 | 192 | 1,48,52 |
| 132/177 | 3000 | D315S | EM31132-58 ^(c) | 19,266 | L1 | 44.76 | 940 | 96.1 | 400 | 226 | 1,48,52 |
| | 1500 | D315M | EM31134-58 ^(c) | 18,996 | L1 | 45.94 | 960 | 96.1 | 400 | 231 | 1,48,52 |
| 160/215 | 3000 | D315S | EM31162-58 ^(c) | 25,629 | LM | — | 1,025 | 96.1 | 400 | 269 | 1,48,52 |
| | 1500 | D315M | EM31164-58 ^(c) | 25,071 | LM | — | 1,000 | 96.3 | 400 | 286 | 1,48,52 |
| 200/268 | 3000 | D315M | EM31202-58 ^(c) | 38,267 | LM | — | 1,190 | 96.1 | 400 | 337 | 1,48,52 |
| | 1500 | D315M | EM31204-58 ^(c) | 25,071 | LM | — | 1,160 | 96.3 | 400 | 351 | 1,48,52 |

^(a) Efficiency per IEC 60034-1.

^(b) See notes on inside back flap and pages 5-6.

^(c) Includes 3 winding thermistors.

■ Cast Iron Frame

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

**Metric-E,
IEC Motors,
Three Phase, 50 Hz,
230/400 & 400 Volts**

4 thru 200 kW (5-268 Hp)

IEC D112M thru D315M

Applications: Pumps, compressors, fans, conveyors and other general purpose three phase applications.

Features: Suitable for mounting in any position. Cast iron frame, endplates conduit box and fan cover. Metric hardware and terminal strip in conduit box. Re-greasing provisions and thermistors on 11kW (D160 frame) and larger. IP55 protection. Wye-delta connection. Complies with AS/NZS 1359.5.2005 High-Efficiency MEPS, exceeds Eff 1 CENELEC. ISR® (Inverter Spike Resistant) magnet wire. UL, CSA and CE compliant.



| kW/HP | RPM | IEC Frame | Catalog Number | List Price | Mult. Sym. | "L" Dim. (in) | Aprx. Wt. (lb) | Full Load Efficiency ^(a) | Voltage | Full Load Amps | Notes ^(b) |
|---------|------|-----------|--------------------------------|------------|------------|---------------|----------------|-------------------------------------|---------|----------------|----------------------|
| 4/5 | 3000 | D112M | M11042-57 | 975 | L1 | 15.12 | 42 | 87.6 | 230/400 | 7.1 | 1,48,52 |
| | 1500 | D112M | M11044-57 | 805 | L1 | 17.60 | 42 | 88.5 | 230/400 | 8 | 1,48,52 |
| 5.5/7.5 | 3000 | D132S | M13062-58 | 1,110 | L1 | 18.23 | 54 | 88.5 | 400 | 10.2 | 1,48,52 |
| | 1500 | D132S | M13064-58 | 1,075 | L1 | 18.23 | 56 | 89.2 | 400 | 10.6 | 1,48,52 |
| 7.5/10 | 3000 | D132S | M13082-58 | 1,334 | L1 | 18.23 | 59 | 89.5 | 400 | 13.6 | 1,48,52 |
| | 1500 | D132M | M13084-58 | 1,156 | L1 | 18.23 | 68 | 90.1 | 400 | 14.4 | 1,48,52 |
| 11/15 | 3000 | D160M | M16112-58^(c) | 1,829 | L1 | 23.50 | 98 | 91.7 | 400 | 20.3 | 1,48,52 |
| | 1500 | D160M | M16114-58^(c) | 1,641 | L1 | 23.50 | 107 | 92.4 | 400 | 21.8 | 1,48,52 |
| 15/20 | 3000 | D160M | M16152-58^(c) | 2,001 | L1 | 23.50 | 110 | 91.3 | 400 | 26.3 | 1,48,52 |
| | 1500 | D160L | M16154-58^(c) | 1,964 | L1 | 23.50 | 126 | 92.4 | 400 | 27.8 | 1,48,52 |
| 18.5/25 | 3000 | D180M | M16192-58^(c) | 2,521 | L1 | 23.50 | 124 | 91.8 | 400 | 33 | 1,48,52 |
| | 1500 | D180M | M18194-58^(c) | 2,408 | L1 | 27.48 | 163 | 92.4 | 400 | 37.8 | 1,48,52 |
| 22/30 | 3000 | D180M | M18222-58^(c) | 2,729 | L1 | 27.48 | 166 | 92.2 | 400 | 37.9 | 1,48,52 |
| | 1500 | D180L | M18224-58^(c) | 2,829 | L1 | 27.48 | 189 | 93.2 | 400 | 42.5 | 1,48,52 |
| 30/40 | 3000 | D200M | M20302-58^(c) | 3,863 | L1 | 29.45 | 233 | 92.9 | 400 | 52 | 1,48,52 |
| | 1500 | D200L | M20304-58^(c) | 3,725 | L1 | 29.45 | 256 | 94.1 | 400 | 52.6 | 1,48,52 |
| 37/50 | 3000 | D200M | M20372-58^(c) | 3,925 | L1 | 29.45 | 251 | 93.3 | 400 | 64.4 | 1,48,52 |
| | 1500 | D225M | M22374-58^(c) | 3,853 | L1 | 32.48 | 288 | 94.1 | 400 | 72.5 | 1,48,52 |
| 45/60 | 3000 | D225S | M22452-58^(c) | 5,941 | L1 | 31.30 | 312 | 94.1 | 400 | 76.5 | 1,48,52 |
| | 1500 | D225M | M22454-58^(c) | 5,855 | L1 | 32.48 | 307 | 94.5 | 400 | 85.5 | 1,48,52 |
| 55/75 | 3000 | D250S | M25552-58^(c) | 7,197 | L1 | 36.30 | 391 | 94.1 | 400 | 93.5 | 1,48,52 |
| | 1500 | D250M | M25554-58^(c) | 7,123 | L1 | 36.30 | 391 | 94.5 | 400 | 94.5 | 1,48,52 |
| 75/100 | 3000 | D280S | M28752-58^(c) | 9,168 | L1 | 36.30 | 581 | 94.6 | 400 | 131 | 1,48,52 |
| | 1500 | D250M | M25754-58^(c) | 8,915 | L1 | 36.30 | 581 | 95.4 | 400 | 128 | 1,48,52 |
| 90/125 | 3000 | D280S | M28902-58^(c) | 12,444 | L1 | 41.26 | 618 | 94.8 | 400 | 152 | 1,48,52 |
| | 1500 | D280M | M28904-58^(c) | 12,242 | L1 | 42.48 | 618 | 95.4 | 400 | 158 | 1,48,52 |
| 110/150 | 3000 | D315S | M31112-58^(c) | 14,760 | L1 | 44.76 | 818 | 95.1 | 400 | 194 | 1,48,52 |
| | 1500 | D315M | M31114-58^(c) | 14,326 | L1 | 45.94 | 837 | 95.4 | 400 | 195 | 1,48,52 |
| 132/177 | 3000 | D315S | M31132-58^(c) | 16,182 | L1 | 44.76 | 874 | 95.4 | 400 | 228 | 1,48,52 |
| | 1500 | D315M | M31134-58^(c) | 15,956 | L1 | 45.94 | 893 | 95.5 | 400 | 235 | 1,48,52 |
| 160/215 | 3000 | D315S | M31162-58^(c) | 21,522 | LM | — | 953 | 95.5 | 400 | 271 | 1,48,52 |
| | 1500 | D315M | M31164-58^(c) | 21,054 | LM | — | 930 | 95.7 | 400 | 288 | 1,48,52 |
| 200/268 | 3000 | D315M | M31202-58^(c) | 32,131 | LM | — | 1,107 | 95.5 | 400 | 339 | 1,48,52 |
| | 1500 | D315M | M31204-58^(c) | 21,054 | LM | — | 1,079 | 95.7 | 400 | 353 | 1,48,52 |

^(a) Efficiency per IEC 60034-1.
^(b) See notes on inside back flap and pages 5-6.
^(c) Includes 3 winding thermistors.

■ Cast Iron Frame

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 Start & Dynamic Brakes