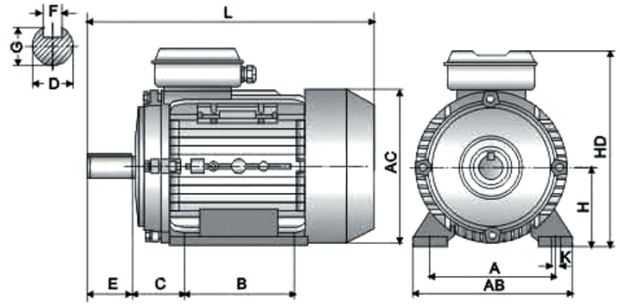
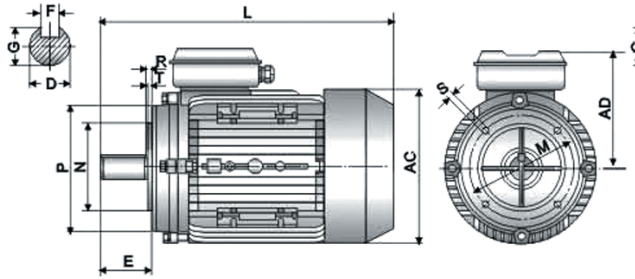
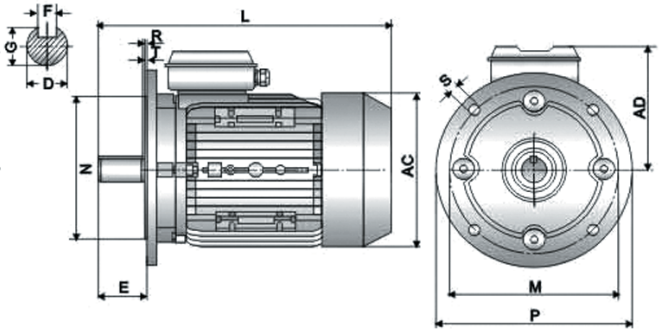
# ML Series Single-Phase Dual-Capacitor Asynchronous Motors




IMB3




IMB14




IMB5

| Frame Size | Mounting Dimensions | | | | | | | | | | | | | | | | | | | | | Overall Dimensions (mm) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | IMB14 | | | | | | IMB5 | | | | | | | | | | |
| | A | B | C | D | E | F | G | H | K | M | N | P | R | S | T | M | N | P | R | S | T | AB | AC | AD | HD | L |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7 | 85 | 70 | 105 | 0 | M6 | 2.5 | 130 | 110 | 160 | 0 | 10 | 3.5 | 145 | 145 | 125 | 205 | 255 |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10 | 100 | 80 | 120 | 0 | M6 | 3.0 | 165 | 130 | 200 | 0 | 12 | 3.5 | 160 | 165 | 135 | 235 | 295 |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 115 | 95 | 140 | 0 | M8 | 3.0 | 165 | 130 | 200 | 0 | 12 | 3.5 | 180 | 185 | 145 | 265 | 335 |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10 | 115 | 95 | 140 | 0 | M8 | 3.0 | 165 | 130 | 200 | 0 | 12 | 3.5 | 180 | 185 | 145 | 265 | 360 |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12 | - | - | - | - | - | - | 215 | 180 | 250 | 0 | 15 | 4.0 | 205 | 215 | 170 | 280 | 380 |

| Model | Power (KW) | Voltage (V) | Current (A) | Speed (r/min) | Efficiency (%) | Power Factor | Tstart/Tn (Time) | Tmax/Tn (Time) | Starting A. (A) | Start Capactior (uf/v) | Run Capactior (uf/v) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ML711-2 | 0.37 | 220 | 2.73 | 2800 | 67 | 0.92 | 2.3 | 1.8 | 16 | 75uf/300V | 12uf/450V |
| ML712-2 | 0.55 | 220 | 3.88 | 2800 | 70 | 0.92 | 2.5 | 1.8 | 21 | 100uf/300V | 16uf/450V |
| ML801-2 | 0.75 | 220 | 5.15 | 2800 | 72 | 0.92 | 2.5 | 1.8 | 30 | 100uf/300V | 20uf/450V |
| ML802-2 | 1.10 | 220 | 7.02 | 2800 | 75 | 0.95 | 2.5 | 1.8 | 40 | 150uf/300V | 25uf/450V |
| ML90S-2 | 1.50 | 220 | 9.44 | 2800 | 76 | 0.95 | 2.5 | 1.8 | 55 | 250uf/300V | 40uf/450V |
| ML90L-2 | 2.20 | 220 | 13.67 | 2800 | 77 | 0.95 | 2.5 | 1.8 | 8 | 300uf/300V | 60uf/450V |
| ML100L-2 | 3.00 | 220 | 18.2 | 2800 | 79 | 0.95 | 2.5 | 1.8 | 110 | 400uf/300V | 60uf/450V |
| ML711-4 | 0.25 | 220 | 1.99 | 1400 | 62 | 0.92 | 2.5 | 1.8 | 12 | 50uf/300V | 10uf/450V |
| ML712-4 | 0.37 | 220 | 2.81 | 1400 | 65 | 0.92 | 2.5 | 1.8 | 16 | 75uf/300V | 10uf/450V |
| ML801-4 | 0.55 | 220 | 4.0 | 1400 | 68 | 0.92 | 2.5 | 1.8 | 21 | 100uf/300V | 16uf/450V |
| ML802-4 | 0.75 | 220 | 5.22 | 1400 | 71 | 0.92 | 2.5 | 1.8 | 30 | 100uf/300V | 20uf/450V |
| ML90S-4 | 1.10 | 220 | 7.2 | 1400 | 73 | 0.95 | 2.5 | 1.8 | 40 | 150uf/300V | 30uf/450V |
| ML90L-4 | 1.50 | 220 | 9.57 | 1400 | 75 | 0.95 | 2.5 | 1.8 | 55 | 200uf/300V | 35uf/450V |
| ML100L1-4 | 2.20 | 220 | 13.9 | 1400 | 76 | 0.95 | 2.5 | 1.8 | 80 | 300uf/300V | 40uf/450V |
| ML100L2-4 | 3.00 | 220 | 18.6 | 1400 | 77 | 0.95 | 2.5 | 1.8 | 110 | 400uf/300V | 60uf/450V |