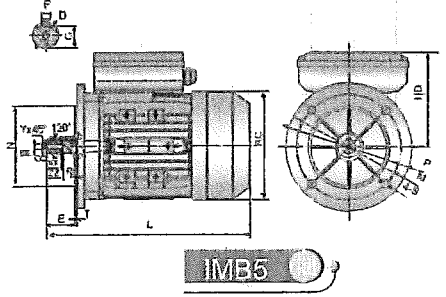
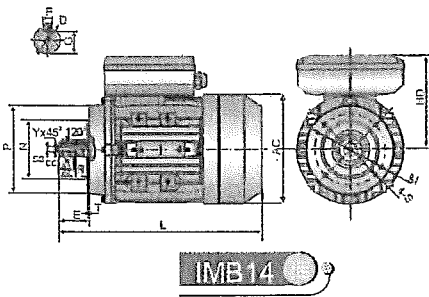
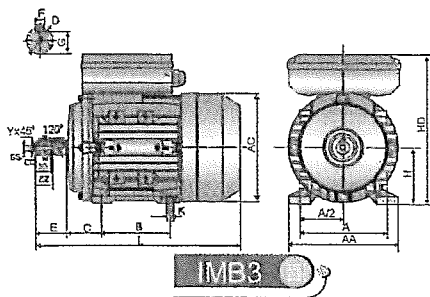
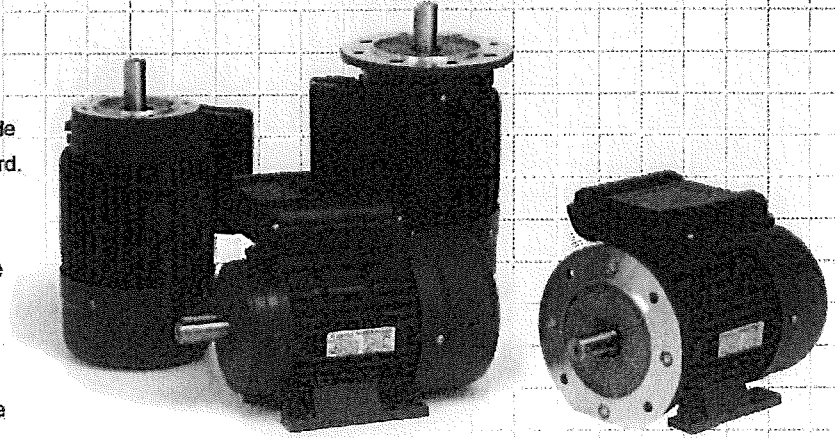


ML

ALUMINUM HOUSING

ML series aluminum housing single-phase dual-capacitor asynchronous motors, with latest design in entirety, are made of selected quality materials and conform to the IEC standard. ML motors have good performance, safety and reliable operation, nice appearance and, can be maintained very conveniently, while with low noises, little vibration and at the same time of lightweight and simple construction. The composite performance is good, the multiple of starting torque is 1.8~2.5.

These series motors are suitable for the occasion where the requirements of big starting torque and high over load, such as air-compressors, pumps, fans, medical apparatus and instruments, and many other small machines.



Overall & Installation Dimensions

| Frame Size | MOUNTING DIMENSIONS | | | | | | | | | | | | | | | | | | OVERALL DIMENSIONS | | | | | SHAFT END SCREW DIMENSIONS | | | | | | | |
|------------|---------------------|-----|----|----|----|---|------|-----|-------|-----|-----|-----|---|----|------|-----|-----|-----|--------------------|-----|-----|-----|-----|----------------------------|-----|-----|-----|----|----|-----|-----|
| | IMB14 | | | | | | | | | | | | | | IMB5 | | | | | | | | | | | | | | | | |
| | A | B | C | D | E | F | G | H | K | M | N | P | R | S | T | M | N | P | R | S | T | AA | AC | AD | HD | L | SS | XX | ZZ | CC | Y |
| 63 | 100 | 80 | 40 | 11 | 23 | 4 | 8.5 | 63 | 7X10 | 75 | 60 | 90 | 0 | M5 | 2.5 | 115 | 95 | 140 | 0 | φ10 | 3.0 | 120 | 130 | 179 | 116 | 212 | M4 | 10 | 15 | 3.3 | 0.8 |
| 71 | 112 | 90 | 45 | 14 | 30 | 5 | 11 | 71 | 7X10 | 85 | 70 | 105 | 0 | M6 | 2.5 | 130 | 110 | 160 | 0 | φ10 | 3.5 | 132 | 145 | 194 | 123 | 255 | M5 | 12 | 18 | 4.2 | 0.8 |
| 80 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | 10X13 | 100 | 80 | 120 | 0 | M6 | 3.0 | 165 | 130 | 200 | 0 | φ12 | 3.5 | 157 | 165 | 223 | 143 | 290 | M6 | 16 | 22 | 5 | 1 |
| 90S | 140 | 100 | 56 | 24 | 50 | 8 | 20 | 90 | 10X13 | 115 | 95 | 140 | 0 | M8 | 3.0 | 165 | 130 | 200 | 0 | φ12 | 3.5 | 172 | 185 | 240 | 150 | 335 | M8 | 20 | 25 | 6.8 | 1 |
| 90L | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | 10X13 | 115 | 95 | 140 | 0 | M8 | 3.0 | 165 | 130 | 200 | 0 | φ12 | 3.5 | 172 | 185 | 240 | 150 | 365 | M8 | 20 | 25 | 6.8 | 1 |
| 100L | 160 | 140 | 63 | 28 | 60 | 8 | 24 | 100 | 12X15 | 130 | 110 | 160 | 0 | M8 | 3.5 | 215 | 180 | 250 | 0 | φ15 | 4.0 | 196 | 205 | 260 | 160 | 445 | M10 | 22 | 28 | 8.5 | 1.5 |
| 112M | 190 | 140 | 70 | 28 | 60 | 8 | 24 | 112 | 12X15 | 130 | 110 | 160 | 0 | M8 | 3.5 | 215 | 180 | 250 | 0 | φ15 | 4.0 | 222 | 230 | 295 | 183 | 453 | M10 | 22 | 28 | 8.5 | 1.5 |

TECHNICAL DATA @230V

| Model | Power (kW) | Current (A) | Speed (r/min) | Eff. (%) | Power Factor | Rated Torque (N.M) | Tstart/Tn (Times) | Tmax/Tn (Times) | Starting Current (A) | Run Capacitor (μF/V) | Start Capacitor (μF/V) | Noise dB(A) | W.L. (Kg) |
|-----------|------------|-------------|---------------|----------|--------------|--------------------|-------------------|-----------------|----------------------|----------------------|------------------------|-------------|-----------|
| ML631-2 | 0.18 | 1.31 | 2750 | 65 | 0.92 | 0.63 | 2.5 | 1.7 | 8 | 8 μ F/450V | 40 μ F/250V | 70 | 4.2 |
| ML632-2 | 0.25 | 1.76 | 2760 | 67 | 0.92 | 0.87 | 2.5 | 1.7 | 10 | 10 μ F/450V | 50 μ F/250V | 73 | 4.7 |
| ML711-2 | 0.37 | 2.42 | 2780 | 70 | 0.95 | 1.27 | 2.5 | 1.7 | 15 | 12 μ F/450V | 75 μ F/250V | 75 | 5.3 |
| ML712-2 | 0.55 | 3.45 | 2790 | 73 | 0.95 | 1.88 | 2.5 | 1.7 | 20 | 16 μ F/450V | 100 μ F/250V | 76 | 7.4 |
| ML801-2 | 0.75 | 4.54 | 2800 | 74 | 0.97 | 2.59 | 2.5 | 1.7 | 30 | 20 μ F/450V | 100 μ F/250V | 76 | 9.5 |
| ML802-2 | 1.1 | 6.45 | 2810 | 76 | 0.97 | 3.74 | 2.5 | 1.7 | 40 | 25 μ F/450V | 150 μ F/250V | 79 | 11.2 |
| ML90S-2 | 1.5 | 8.62 | 2810 | 78 | 0.97 | 5.10 | 2.5 | 1.8 | 55 | 40 μ F/450V | 150 μ F/250V | 84 | 14 |
| ML90S-2 | 2.2 | 12.5 | 2810 | 79 | 0.97 | 7.48 | 2.2 | 1.8 | 75 | 50 μ F/450V | 250 μ F/250V | 84 | 17 |
| ML100L-2 | 3.0 | 16.6 | 2830 | 80 | 0.98 | 10.12 | 2.2 | 2.0 | 95 | 60 μ F/450V | 400 μ F/300V | 88 | 25 |
| ML112M-2 | 3.7 | 20.5 | 2650 | 80 | 0.98 | 12.40 | 2.0 | 2.0 | 120 | 60 μ F/450V | 500 μ F/300V | 90 | 30.5 |
| ML631-4 | 0.12 | 1.04 | 1350 | 55 | 0.91 | 0.85 | 2.5 | 1.6 | 6 | 10 μ F/450V | 40 μ F/250V | 64 | 4 |
| ML632-4 | 0.18 | 1.54 | 1360 | 56 | 0.91 | 1.26 | 2.5 | 1.6 | 8.5 | 12 μ F/450V | 40 μ F/250V | 64 | 4.8 |
| ML711-4 | 0.25 | 1.94 | 1380 | 61 | 0.92 | 1.73 | 2.5 | 1.6 | 10 | 14 μ F/450V | 50 μ F/250V | 66 | 5.9 |
| ML712-4 | 0.37 | 2.80 | 1380 | 62.5 | 0.92 | 2.56 | 2.5 | 1.5 | 15 | 16 μ F/450V | 75 μ F/250V | 68 | 6.9 |
| ML801-4 | 0.55 | 3.80 | 1400 | 67 | 0.94 | 3.75 | 2.5 | 1.7 | 20 | 20 μ F/450V | 100 μ F/250V | 71 | 9.6 |
| ML802-4 | 0.75 | 4.75 | 1410 | 73 | 0.94 | 5.08 | 2.5 | 1.7 | 30 | 25 μ F/450V | 150 μ F/250V | 71 | 10.8 |
| ML90S-4 | 1.1 | 6.76 | 1410 | 74.5 | 0.95 | 7.45 | 2.2 | 1.8 | 40 | 30 μ F/450V | 150 μ F/250V | 74 | 13.5 |
| ML90L-4 | 1.5 | 9.03 | 1420 | 76 | 0.95 | 10.09 | 2.2 | 1.8 | 55 | 40 μ F/450V | 200 μ F/250V | 79 | 18.5 |
| ML100L1-4 | 2.2 | 12.6 | 1430 | 78 | 0.97 | 14.69 | 2.2 | 1.8 | 75 | 50 μ F/450V | 300 μ F/250V | 79 | 24 |
| ML100L2-4 | 3 | 17.0 | 1440 | 79 | 0.97 | 19.90 | 2.2 | 1.8 | 95 | 60 μ F/450V | 400 μ F/250V | 83 | 30 |
| ML112M-4 | 3.7 | 20.7 | 1440 | 80 | 0.97 | 24.54 | 2.0 | 2.0 | 120 | 60 μ F/450V | 500 μ F/250V | 86 | 36 |