

ML SERIES

SINGLE PHASE ALUMINUM DUAL CAPACITOR MOTOR



ML series single phase aluminum dual capacitor motors are made of good quality material and conformed to IEC standard. It's especially suitable for family workshops where only single phase current supply is available. Features: big starting torque, high over load, reliable operation, little vibration, light weight, simple construction

Applications: air-compressor, pump, fans, medical apparatus and instruments, small machines, etc.

RANGE OF PERFORMANCE

Frame Size: H71~H112
Rated Power Range: 0.37KW ~ 3.7KW

OPERATING CONDITIONS

Ambient Temperature: $-15^{\circ}\text{C} \leq \theta \leq 40^{\circ}\text{C}$
Above Sea Level: not exceed 1000m
Rated Voltage: 220V, 110V ~ 240V is available
Rated Frequency: 50Hz or 60Hz
Insulation Class: Class B/F
Protection Class: IP54/55
Duty: S1

TECHNICAL DATA

| TYPE | Output | | Current (A) | Speed (r/min) | Eff (%) | Power Factor | Rated Torque(N.M) | Tstart/Tn | Tmax/Tn | Starting Current (A) |
|------------|--------|------|-------------|---------------|---------|--------------|-------------------|-----------|---------|----------------------|
| | KW | HP | 380V | | | | | | | |
| ML-711-2 | 0.37 | 0.5 | 2.53 | 2780 | 70 | 0.95 | 1.271043 | 2.5 | 1.7 | 15 |
| ML-712-2 | 0.55 | 0.75 | 3.60 | 2790 | 73 | 0.95 | 1.882616 | 2.5 | 1.7 | 20 |
| ML-801-2 | 0.75 | 1 | 4.75 | 2800 | 74 | 0.97 | 2.558036 | 2.5 | 1.7 | 30 |
| ML-802-2 | 1.1 | 1.5 | 6.78 | 2810 | 76 | 0.97 | 3.738434 | 2.5 | 1.7 | 40 |
| ML-90S-2 | 1.5 | 2 | 9.01 | 2810 | 78 | 0.97 | 5.097865 | 2.5 | 1.8 | 55 |
| ML-90L-2 | 2.2 | 3 | 13.05 | 2810 | 79 | 0.97 | 7.476868 | 2.2 | 2.8 | 75 |
| ML-100L-2 | 3 | 4 | 17.39 | 2830 | 80 | 0.98 | 10.12367 | 2.2 | 2 | 95 |
| ML-711-4 | 0.25 | 0.33 | 2.02 | 1380 | 61 | 0.92 | 1.730072 | 2.5 | 1.6 | 10 |
| ML-712-4 | 0.37 | 0.5 | 2.95 | 1380 | 62 | 0.92 | 2.560507 | 2.5 | 1.5 | 15 |
| ML-801-4 | 0.55 | 0.75 | 3.97 | 1400 | 67 | 0.94 | 3.751786 | 2.5 | 1.7 | 20 |
| ML-802-4 | 0.75 | 1 | 4.97 | 1410 | 73 | 0.94 | 5.079787 | 2.5 | 1.7 | 30 |
| ML-90S-4 | 1.1 | 1.5 | 7.11 | 1410 | 74 | 0.95 | 7.450355 | 2.2 | 1.8 | 40 |
| ML-90L-4 | 1.5 | 2 | 9.44 | 1420 | 76 | 0.95 | 10.08803 | 2.2 | 1.8 | 55 |
| ML-100L1-4 | 2.2 | 3 | 13.22 | 1430 | 78 | 0.97 | 14.69231 | 2.2 | 1.8 | 75 |
| ML-100L2-4 | 3 | 4 | 17.80 | 1440 | 79 | 0.97 | 19.89583 | 2.2 | 1.8 | 95 |
| ML-112M-4 | 3.7 | 5 | 21.67 | 1440 | 80 | 0.97 | 24.53819 | 2 | 2 | 120 |