

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Fan and Exhaust Single-Phase Start Capacitor

Product code : 11748502

Catalog # : 00182OS1DEC56

Frame : E56X180
 Output : 0.75 kW (1 HP)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 240 V
 Rated current : 6.45 A
 L. R. Amperes : 31.0 A
 LRC : 4.8x(Code J)
 No load current : 4.89 A
 Rated speed : 1725 rpm
 Slip : 4.17 %
 Rated torque : 3.06 ft.lb
 Locked rotor torque : 125 %
 Breakdown torque : 240 %
 Insulation class : B
 Service factor : 1.00
 Moment of inertia (J) : 0.1092 sq.ft.lb

Locked rotor time : 10s (cold) 6s (hot)
 Temperature rise : 80 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Protection degree : IP21
 Cooling method : IC01 - ODP
 Mounting : F-1
 Rotation¹ : CW
 Noise level² : 46.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 30.9 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	60.1	65.7	66.7
Power Factor	0.00	0.50	0.63	0.72

Foundation loads
 Max. traction
 Max. compression

	Drive end	Non drive end
Bearing type	6203 ZZ	6201 ZZ
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	0 h	0 h
Lubricant amount	0 g	0 g
Lubricant type	Mobil Polyrex EM	

Notes:

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C

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