

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W01 Compressor Duty Single-Phase

Product code : 18670847

Catalog # : 00136OS1BCD56-S

Frame : 56
Output : 1 HP (0.75 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 13.3/6.85-6.67 A
L. R. Amperes : 77.4/39.7-38.7 A
LRC : 5.8x(Code K)
No load current : 11.5/4.95-5.74 A
Rated speed : 3500 rpm
Slip : 2.78 %
Rated torque : 1.50 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.0304 sq.ft.lb

Locked rotor time : 16s (cold) 9s (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 : Both (CW and CCW)
Noise level² : 70.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 24.3 lb

Output	50%	75%	100%
Efficiency (%)	52.0	60.2	67.0
Power Factor	0.52	0.63	0.73

Foundation loads
Max. traction : 0 lb
Max. compression : 0 lb

	Drive end	Non drive end
Bearing type	6204 ZZ	6202 ZZ
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	-	-
Lubricant amount	-	-
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 1		
Checked by				
Date	01/07/2026			
		Revision		