

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Compressor Duty Single-Phase Product code : 13521268  
Catalog # : 00536OS1DCD56HZ-S

Frame	: 56HZ	Locked rotor time	: 7s (cold) 4s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 20.3 A	Mounting	: F-3
L. R. Amperes	: 122 A	Rotation <sup>1</sup>	: Both (CW and CCW)
LRC	: 6.0x(Code G)	Noise level <sup>2</sup>	: 68.0 dB(A)
No load current	: 4.70 A	Starting method	: Direct On Line
Rated speed	: 3440 rpm	Approx. weight <sup>3</sup>	: 49.6 lb
Slip	: 4.44 %		
Rated torque	: 7.63 ft.lb		
Locked rotor torque	: 240 %		
Breakdown torque	: 200 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0864 sq.ft.lb		
Design	: L		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	73.6	74.6	79.5	80.0	Max. traction	: 125 lb
Power Factor	0.73	0.98	0.98	0.99	Max. compression	: 175 lb

	Drive end	Non drive end
Bearing type	: 6205 ZZ	: 6203 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 Revision		
Checked by				
Date	26/03/2024			