

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Compressor Duty Single-Phase

Product code : 11107737
Catalog # : 00436OS1DCDG56HZ

Frame	: G56HZ	Locked rotor time	: 9s (cold) 5s (hot)
Output	: 4 HP (3 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	: 16.8 A	Protection degree	: IP21
L. R. Amperes	: 113 A	Cooling method	: IC01 - ODP
LRC	: 6.7x(Code H)	Mounting	: F-1
No load current	: 5.50 A	Rotation ¹	: CCW
Rated speed	: 3480 rpm	Starting method	: Direct On Line
Slip	: 3.33 %	Approx. weight ³	: 45.1 lb
Rated torque	: 6.04 ft.lb		
Locked rotor torque	: 200 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.00		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	77.7	81.7	82.5	Max. traction
Power Factor	0.00	0.83	0.91	0.94	Max. compression

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6205 ZZ	6203 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 1		
Checked by				
Date	26/03/2024			
			Revision	