

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :			
Product line	: Rolled Steel Single-Phase	Product code :	14419269
		Catalog # :	.1236OS1B48CH-S
Frame	: 48	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 0.12 HP (0.09 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 2.48/1.37-1.24 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 15.9/8.77-7.94 A	Mounting	: F-1
LRC	: 6.4x(Code R)	Rotation ¹	: Both (CW and CCW)
No load current	: 1.80/0.776-0.900 A	Noise level ²	: 56.0 dB(A)
Rated speed	: 3500 rpm	Starting method	: Direct On Line
Slip	: 2.78 %	Approx. weight ³	: 14.3 lb
Rated torque	: 0.180 ft.lb		
Locked rotor torque	: 300 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.40		
Moment of inertia (J)	: 0.0126 sq.ft.lb		
Design	: N		
Output	25%	50%	75% 100%
Efficiency (%)	29.5	32.0	40.0 44.0
Power Factor	0.35	0.60	0.67 0.72
<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	: 6203 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.		These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	
(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.			

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	25/03/2024		Page 1 / 1	Revision