

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Rolled Steel Fan and Exhaust Single-Phase Split Phase		Product code : 14275155	
			Catalog # :	.3318OS1BSPO48-S	
Frame	: 48		Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 0.33 HP (0.25 kW)		Temperature rise	: 80 K	
Poles	: 4		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	: 5.16/2.60-2.58 A		Cooling method	: IC01 - ODP	
L. R. Amperes	: 31.0/15.6-15.5 A		Mounting	: F-1	
LRC	: 6.0x(Code M)		Rotation <sup>1</sup>	: Both (CW and CCW)	
No load current	: 4.20/1.81-2.10 A		Starting method	: Direct On Line	
Rated speed	: 1710 rpm		Approx. weight <sup>3</sup>	: 14.3 lb	
Slip	: 5.00 %				
Rated torque	: 1.01 ft.lb				
Locked rotor torque	: 120 %				
Breakdown torque	: 220 %				
Insulation class	: F				
Service factor	: 1.35				
Design	: N				
Output	25%	50%	75%	100%	
Efficiency (%)	48.0	51.0	58.0	62.0	
Power Factor	0.27	0.48	0.60	0.68	
Foundation loads					
Max. traction : 18 lb					
Max. compression : 32 lb					
		<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. (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					
Checked by					
Date	29/04/2024			Page	Revision
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