

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Rolled Steel Fan and Exhaust Single-Phase Split Phase		Product code : 14448387	
			Catalog # :	.5018OS1BSPRB48Z-S	
Frame	: 48Z		Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 0.5 HP (0.37 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	: 7.24/3.80-3.62 A		Cooling method	: IC01 - ODP	
L. R. Amperes	: 47.1/24.7-23.5 A		Mounting	: F-1	
LRC	: 6.5x(Code M)		Rotation ¹	: Both (CW and CCW)	
No load current	: 5.80/2.50-2.90 A		Starting method	: Direct On Line	
Rated speed	: 1715 rpm		Approx. weight ³	: 22.4 lb	
Slip	: 4.72 %				
Rated torque	: 1.53 ft.lb				
Locked rotor torque	: 130 %				
Breakdown torque	: 220 %				
Insulation class	: F				
Service factor	: 1.25				
Design	: O				
Output	25%	50%	75%	100%	
Efficiency (%)	49.3	52.0	60.0	63.5	
Power Factor	0.28	0.50	0.60	0.70	
Foundation loads					
Max. traction				: 26 lb	
Max. compression				: 49 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
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Checked by				Page	Revision
Date	29/04/2024			1 / 1	