

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Jet Pump - J type Single-Phase		Product code : 13632313		Catalog # : 00236OS1BJPR56J-S	
Frame : 56J	Output : 2 HP (1.5 kW)	Locked rotor time : 10s (cold) 6s (hot)	Temperature rise : 80 K		
Poles : 2	Frequency : 60 Hz	Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C		
Rated voltage : 115/208-230 V	Rated current : 21.8/12.1-10.9 A	Altitude : 1000 m.a.s.l.	Cooling method : IC01 - ODP		
L. R. Amperes : 170/94.0-85.0 A	LRC : 7.8x(Code L)	Mounting : F-1	Rotation ¹ : CCW		
No load current : 12.6/5.43-6.30 A	Rated speed : 3490 rpm	Noise level ² : 58.0 dB(A)	Starting method : Direct On Line		
Rated torque : 0.416 kgfm	Slip : 3.06 %	Approx. weight ³ : 17.4 kg			
Locked rotor torque : 250 %	Breakdown torque : 260 %				
Insulation class : F	Service factor : 1.20				
Moment of inertia (J) : 0.0032 kgm ²	Design : L				
Output	25%	50%	75%	100%	
Efficiency (%)	66.4	69.0	72.0	75.0	
Power Factor	0.35	0.60	0.72	0.80	
Foundation loads					
Max. traction				: 26 kgf	
Max. compression				: 43 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type :	6203 2RS		6202 2RS		
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				Page	Revision
Date	28/06/2022			1 / 1	