

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Centrifugal Pump Single-Phase Start Capacitor		Product code : 10265159	
Frame	: D56C		Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 1 HP (0.75 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	: 12.8/6.40-6.40 A		Protection degree	: IP55	
L. R. Amperes	: 89.6/44.8-44.8 A		Cooling method	: IC411 - TEFC	
LRC	: 7.0x(Code M)		Mounting	: F-1	
No load current	: 9.00/3.88-4.50 A		Rotation ¹	: CCW	
Rated speed	: 3500 rpm		Starting method	: Direct On Line	
Slip	: 2.78 %		Approx. weight ³	: 33.2 lb	
Rated torque	: 1.50 ft.lb				
Locked rotor torque	: 320 %				
Breakdown torque	: 280 %				
Insulation class	: B				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0515 sq.ft.lb				
Output	25%	50%	75%	100%	
Efficiency (%)	51.9	55.0	63.0	67.0	
Power Factor	0.33	0.56	0.67	0.75	
Foundation loads					
Max. traction				: 24 lb	
Max. compression				: 57 lb	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6204 2RS		6202 2RS	
Sealing	:	V'Ring		V'Ring	
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	27/03/2024			1 / 1	