

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Rolled Steel JP Pump High Efficiency Three-Phase		Product code : 12687821	
Frame	: 254/6JP		Locked rotor time	: 21s (cold) 12s (hot)	
Output	: 20 HP (15 kW)		Temperature rise	: 80 K	
Poles	: 4		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 230/460 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 51.0/25.5 A		Cooling method	: IC01 - ODP	
L. R. Amperes	: 281/140 A		Mounting	: F-1	
LRC	: 5.5x(Code F)		Rotation ¹	: Both (CW and CCW)	
No load current	: 23.0/11.5 A		Noise level ²	: 64.0 dB(A)	
Rated speed	: 1755 rpm		Starting method	: Direct On Line	
Slip	: 2.50 %		Approx. weight ³	: 192 lb	
Rated torque	: 59.8 ft.lb				
Locked rotor torque	: 190 %				
Breakdown torque	: 220 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 1.28 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	90.8	91.0	91.0	91.0	
Power Factor	0.41	0.67	0.78	0.81	
Foundation loads					
Max. traction : 535 lb					
Max. compression : 727 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6309 Z C3	6208 Z C3		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	13 g	8 g		
Lubricant type	:	Mobil Polyrex EM			
Notes: USABLE @208V 56.4A SF 1.00 SFA 56.4A					
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	29/03/2024			Page	Revision
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