

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel JP Pump High Efficiency Three-Phase	Product code :	13550934	
		Catalog # :	02036OP3EFP254JPV-S	
Frame	: 254/6JP	Locked rotor time	: 16s (cold) 9s (hot)	
Output	: 20 HP (15 kW)	Temperature rise	: 80 K	
Poles	: 2	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	: 47.4/23.7 A	Cooling method	: IC01 - ODP	
L. R. Amperes	: 284/142 A	Mounting	: W-6	
LRC	: 6.0x(Code G)	Rotation ¹	: Both (CW and CCW)	
No load current	: 18.2/9.12 A	Noise level ²	: 70.0 dB(A)	
Rated speed	: 3520 rpm	Starting method	: Direct On Line	
Slip	: 2.22 %	Approx. weight ³	: 169 lb	
Rated torque	: 29.8 ft.lb			
Locked rotor torque	: 180 %			
Breakdown torque	: 240 %			
Insulation class	: F			
Service factor	: 1.15			
Moment of inertia (J)	: 0.6974 sq.ft.lb			
Design	: B			
Output	25% 50% 75% 100%	Foundation loads		
Efficiency (%)	87.7 91.4 88.5 89.3 89.5 88.2 90.2 85.8	Max. traction	: 296 lb	
	89.6 88.6 88.7 87.3			
Power Factor	0.48 0.54 0.75 0.81 0.84 0.88 0.88 0.90	Max. compression	: 465 lb	
	0.44 0.72 0.82 0.87			
Bearing type	: <u>Drive end</u> 6309 Z C3 <u>Non drive end</u> 6208 Z C3			
Sealing	: Without Bearing Seal			
Lubrication interval	: 15797 h			
Lubricant amount	: 13 g			
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	26/03/2024		1 / 1	