

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : Rolled Steel JP Pump NEMA Premium Efficiency Three-Phase		Product code : 14328057				
		Catalog # : 01518ET3V254JP-S				
Frame	: 254/6JP		Locked rotor time	: 34s (cold) 19s (hot)		
Output	: 15 HP (11 kW)		Temperature rise	: 80 K		
Poles	: 4		Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C		
Rated voltage	: 200/400 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 41.9/20.9 A		Protection degree	: IP55		
L. R. Amperes	: 272/136 A		Cooling method	: IC411 - TEFC		
LRC	: 6.5x(Code G)		Mounting	: F-1		
No load current	: 19.9/9.95 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1770 rpm		Noise level ²	: 68.0 dB(A)		
Slip	: 1.67 %		Starting method	: Direct On Line		
Rated torque	: 44.5 ft.lb		Approx. weight ³	: 197 lb		
Locked rotor torque	: 250 %					
Breakdown torque	: 300 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 2.15 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	90.8	91.0	92.4	92.4		
Power Factor	0.39	0.64	0.76	0.82		
		Foundation loads				
		Max. traction : 542 lb				
		Max. compression : 739 lb				
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6309 Z C3		6208 Z C3		
Sealing	:	V'Ring		Without Bearing Seal		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	13 g		8 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	29/03/2024				1 / 1	