

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :										
Product line		: Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14376665					
				Catalog # :	01518OT3E254JMV-S					
Frame	:	254/6JM		Locked rotor time	: 30s (cold) 17s (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	:	230/460 V		Altitude	: 1000 m.a.s.l.					
Rated current	:	37.2/18.6 A		Cooling method	: IC01 - ODP					
L. R. Amperes	:	249/125 A		Mounting	: W-6					
LRC	:	6.7x(Code H)		Rotation ¹	: Both (CW and CCW)					
No load current	:	19.0/9.50 A		Noise level ²	: 64.0 dB(A)					
Rated speed	:	1775 rpm		Starting method	: Direct On Line					
Slip	:	1.39 %		Approx. weight ³	: 201 lb					
Rated torque	:	44.4 ft.lb								
Locked rotor torque	:	240 %								
Breakdown torque	:	300 %								
Insulation class	:	F								
Service factor	:	1.15								
Moment of inertia (J)	:	1.82 sq.ft.lb								
Design	:	B								
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	91.0	92.3	91.7	91.3	92.4	91.0	93.0	89.7	Max. traction	: 593 lb
	90.6	90.3	90.9	90.3						
Power Factor	0.36	0.45	0.62	0.71	0.73	0.81	0.80	0.85	Max. compression	: 794 lb
	0.37	0.62	0.75	0.75	0.81					
Bearing type	:	<u>Drive end</u> 6309 Z C3		<u>Non drive end</u> 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:										
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					