

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase	Product code :	13443847	
		Catalog # :	00518ET3E184JMV-S	
Frame	: 182/4JM	Locked rotor time	: 28s (cold) 16s (hot)	
Output	: 5 HP (3.7 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	: 13.0/6.49 A	Protection degree	: IP55	
L. R. Amperes	: 90.9/45.4 A	Cooling method	: IC411 - TEFC	
LRC	: 7.0x(Code J)	Mounting	: W-6	
No load current	: 6.89/3.44 A	Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1750 rpm	Noise level ²	: 56.0 dB(A)	
Slip	: 2.78 %	Starting method	: Direct On Line	
Rated torque	: 15.0 ft.lb	Approx. weight ³	: 80.5 lb	
Locked rotor torque	: 220 %			
Breakdown torque	: 300 %			
Insulation class	: F			
Service factor	: 1.15			
Moment of inertia (J)	: 0.3080 sq.ft.lb			
Design	: B			
Output	25% 50% 75% 100%	Foundation loads		
Efficiency (%)	88.2 89.7 88.5 87.9 89.5 87.2 89.5 84.9 87.1 86.5 87.2 86.1	Max. traction	: 298 lb	
Power Factor	0.35 0.42 0.60 0.68 0.73 0.80 0.80 0.84 0.34 0.59 0.73 0.80	Max. compression	: 378 lb	
Bearing type	:	<u>Drive end</u>	<u>Non drive end</u>	
Sealing	:	6207 ZZ	6205 ZZ	
Lubrication interval	:	V'Ring	V'Ring	
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
Performed by				
Checked by			Page	Revision
Date	29/03/2024		1 / 1	