

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase			
Product code :	13485858			
Catalog # :	00212ET3E184JM-S			
Frame : 182/4JM Output : 2 HP (1.5 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 6.00/3.00 A L. R. Amperes : 45.0/22.5 A LRC : 7.5x(Code K) No load current : 3.74/1.87 A Rated speed : 1170 rpm Slip : 2.50 % Rated torque : 8.98 ft.lb Locked rotor torque : 260 % Breakdown torque : 370 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.3424 sq.ft.lb Design : B	Locked rotor time : 79s (cold) 44s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 52.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 86.4 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	82.0 85.5 84.0 85.3 86.5 86.4 88.5 85.7 83.1 83.7 86.0 86.2			
Power Factor	0.28 0.33 0.50 0.57 0.62 0.69 0.71 0.76 0.28 0.50 0.63 0.71			
Foundation loads				
Max. traction	: 200 lb			
Max. compression	: 286 lb			
Bearing type	: <u>Drive end</u> 6207 ZZ <u>Non drive end</u> 6205 ZZ			
Sealing	: V'Ring Without Bearing Seal			
Lubrication interval	: -			
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	