

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel JP Pump NEMA Premium Efficiency Three-Phase			
Product code :	14808416			
Catalog # :	00158ET3E145JP-S			
Frame : 143/5JP Output : 1.5 HP (1.1 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 4.04/2.02 A L. R. Amperes : 33.1/16.6 A LRC : 8.2x(Code K) No load current : 2.17/1.08 A Rated speed : 1750 rpm Slip : 2.78 % Rated torque : 4.50 ft.lb Locked rotor torque : 270 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1101 sq.ft.lb Design : B	Locked rotor time : 37s (cold) 21s (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> : 41.7 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	85.2 86.1 85.5 84.7 86.5 84.7 86.5 82.7 83.8 83.5 84.9 84.1			
Power Factor	0.35 0.41 0.59 0.67 0.72 0.78 0.79 0.84 0.34 0.59 0.72 0.80			
Foundation loads	Max. traction : 122 lb Max. compression : 164 lb			
Bearing type	: Drive end 6206 ZZ Non drive end 6203 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	