

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Close Coupled Pump High Efficiency Three-Phase		Product code : 12691848		
Frame : 184JM Output : 7.5 HP (5.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 7.18 A L. R. Amperes : 50.2 A LRC : 7.0x(Code H) No load current : 2.48 A Rated speed : 3485 rpm Slip : 3.19 % Rated torque : 11.3 ft.lb Locked rotor torque : 220 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1635 sq.ft.lb Design : B			Locked rotor time : 23s (cold) 13s (hot) Temperature rise : 105 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP21 Cooling method : IC01 - ODP Mounting : W-6 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 65.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 72.5 lb			
Output		25%	50%	75%	100%	Foundation loads
Efficiency (%)		86.2	86.5	87.5	87.5	Max. traction : 180 lb
Power Factor		0.50	0.75	0.84	0.88	Max. compression : 253 lb
Bearing type		: <u>Drive end</u> 6207 ZZ		: <u>Non drive end</u> 6205 ZZ		
Sealing		: Without Bearing Seal		: 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	28/03/2024				1 / 1	