

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code : 13811912		
				Catalog # :		
Frame : 182/4T Output : 3 HP (2.2 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 7.81/3.91 A L. R. Amperes : 58.6/29.3 A LRC : 7.5x(Code J) No load current : 4.00/2.00 A Rated speed : 1750 rpm Slip : 2.78 % Rated torque : 9.00 ft.lb Locked rotor torque : 229 % Breakdown torque : 340 % Insulation class : H Service factor : 1.00 Moment of inertia (J) : 0.3987 sq.ft.lb Design : B			Locked rotor time : 45s (cold) 25s (hot) Temperature rise : 105 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC410 - TENV Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : VFD Approx. weight ³ : 90.4 lb			
Output		25%	50%	75%	100%	
Efficiency (%)		0.000	89.0	89.5	89.5	
Power Factor		0.00	0.59	0.72	0.79	
Foundation loads						
Max. traction : 150 lb						
Max. compression : 241 lb						
Bearing type		: <u>Drive end</u> 6207 ZZ C3		: <u>Non drive end</u> 6207 ZZ C3		
Sealing		: V'Ring		: V'Ring		
Lubrication interval		: 0 h		: 0 h		
Lubricant amount		: 0 g		: 0 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.			
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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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