

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 P Base NEMA Premium Efficiency Three-Phase		Product code : 14456444		
Frame : 182/4HP Output : 3 HP (2.2 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 2.90 A L. R. Amperes : 24.9 A LRC : 8.6x(Code K) No load current : 1.04 A Rated speed : 3515 rpm Slip : 2.36 % Rated torque : 0.619 kgfm Locked rotor torque : 250 % Breakdown torque : 380 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0080 kgm ² Design : B			Locked rotor time : 73s (cold) 41s (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 : W-6 Rotation ¹ : Both (CW and CCW) Noise level ² : 69.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 46.0 kg			
Output		25%	50%	75%	100%	Foundation loads Max. traction Max. compression
Efficiency (%)		0.000	82.5	86.5	86.5	
Power Factor		0.00	0.75	0.84	0.88	
Bearing type		:	<u>Drive end</u> 6308 ZZ		<u>Non drive end</u> 6206 ZZ	
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.		
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	15/01/2024				1 / 2	

LOAD PERFORMANCE CURVE

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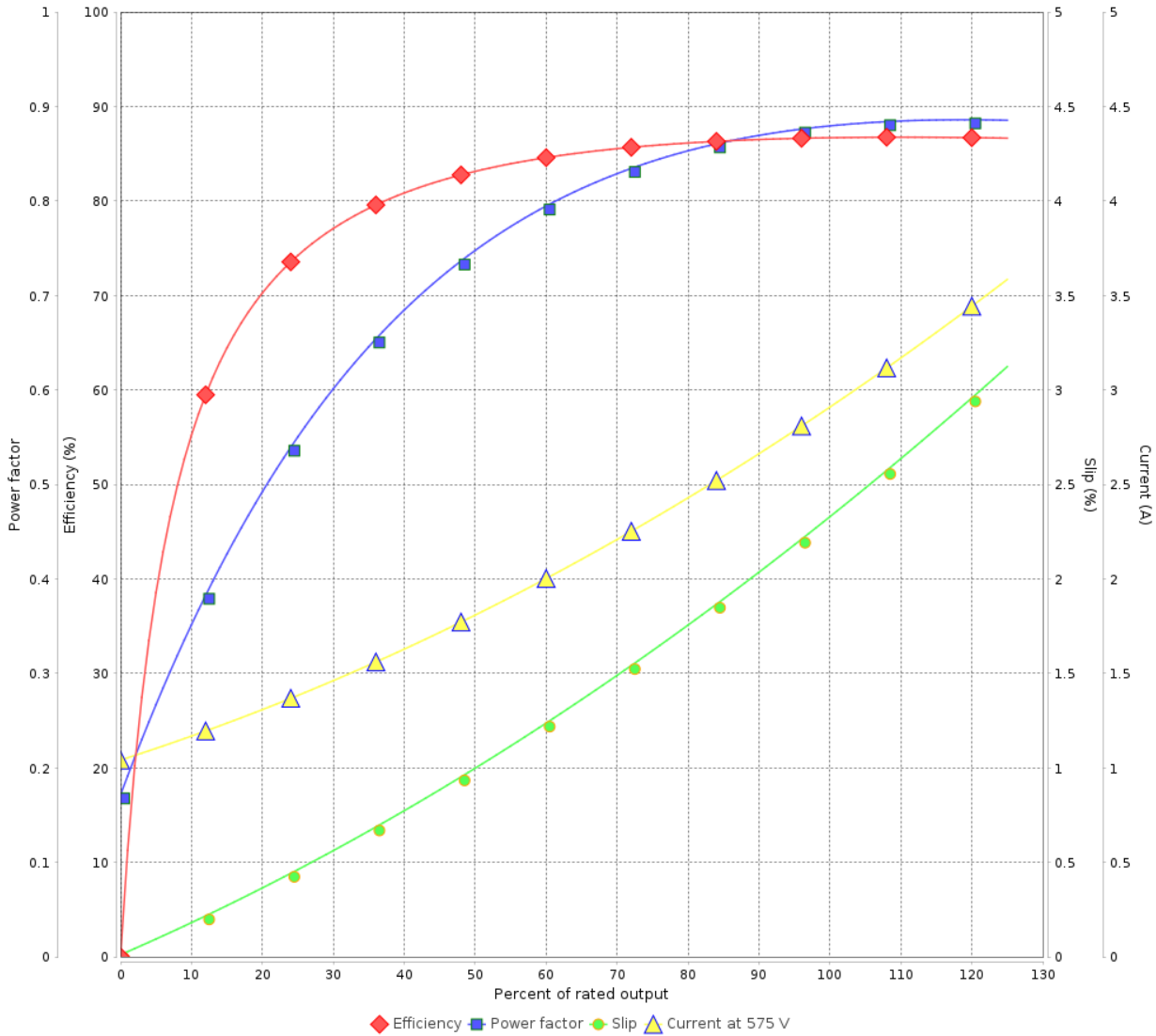


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Performance : 575 V 60 Hz 2P

Rated current : 2.90 A
 LRC : 8.6
 Rated torque : 0.619 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 380 %
 Rated speed : 3515 rpm

Moment of inertia (J) : 0.0080 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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