

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 P Base NEMA Premium Efficiency Three-Phase		Product code : 13293738		
Frame : 254/6HP Output : 20 HP (15 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 19.3 A L. R. Amperes : 125 A LRC : 6.5x(Code G) No load current : 6.90 A Rated speed : 1765 rpm Slip : 1.94 % Rated torque : 8.22 kgfm Locked rotor torque : 229 % Breakdown torque : 240 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.1305 kgm ² Design : B			Locked rotor time : 27s (cold) 15s (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 : 64.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 181 kg			
Output		25%	50%	75%	100%	Foundation loads Max. traction Max. compression
Efficiency (%)		0.000	91.7	92.4	93.0	
Power Factor		0.00	0.68	0.79	0.84	
Bearing type		:	<u>Drive end</u> 6311 C3	<u>Non drive end</u> 6209 C3		
Sealing		:	V'Ring	V'Ring		
Lubrication interval		:	15000 h	19000 h		
Lubricant amount		:	18 g	9 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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LOAD PERFORMANCE CURVE

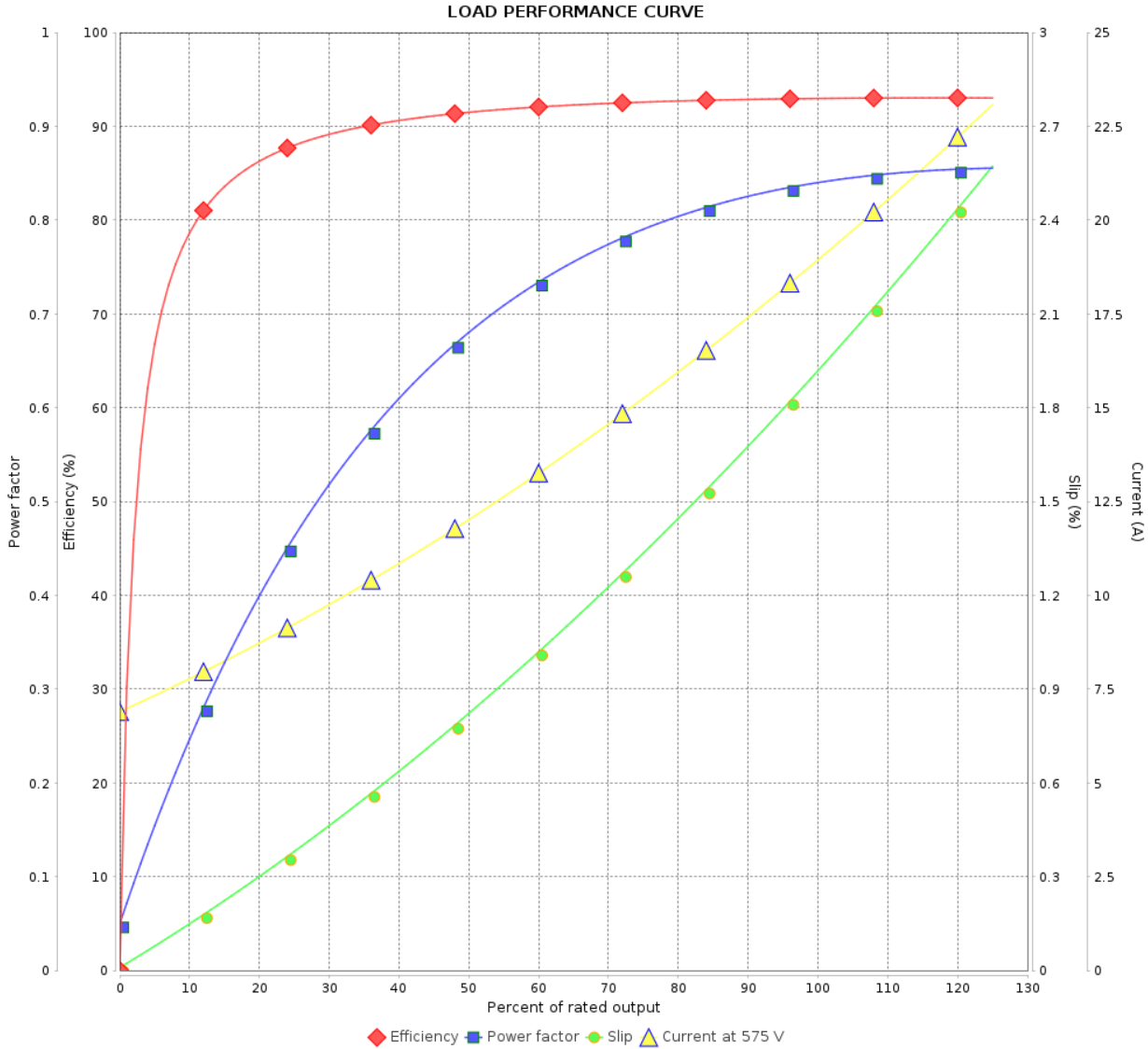
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Product line : W22 P Base NEMA Premium Efficiency
Three-Phase

Product code : 13293738



Performance : 575 V 60 Hz 4P

Rated current : 19.3 A
 LRC : 6.5
 Rated torque : 8.22 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 240 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.1305 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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