

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 P Base NEMA Premium Efficiency Three-Phase		Product code : 13293739				
Frame : 284/6HP Output : 25 HP (18.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 23.6 A L. R. Amperes : 146 A LRC : 6.2x(Code G) No load current : 8.50 A Rated speed : 1770 rpm Slip : 1.67 % Rated torque : 10.3 kgfm Locked rotor torque : 210 % Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.2153 kgm ² Design : B	Locked rotor time : 43s (cold) 24s (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 : 196 kg					
Output	25%	50%	75%	100%	Foundation loads Max. traction Max. compression	
Efficiency (%)	0.000	92.4	93.0	93.6		
Power Factor	0.00	0.70	0.80	0.84		
			<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6312 C3	6211 C3			
Sealing	:	V'Ring	V'Ring			
Lubrication interval	:	14000 h	17000 h			
Lubricant amount	:	21 g	11 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

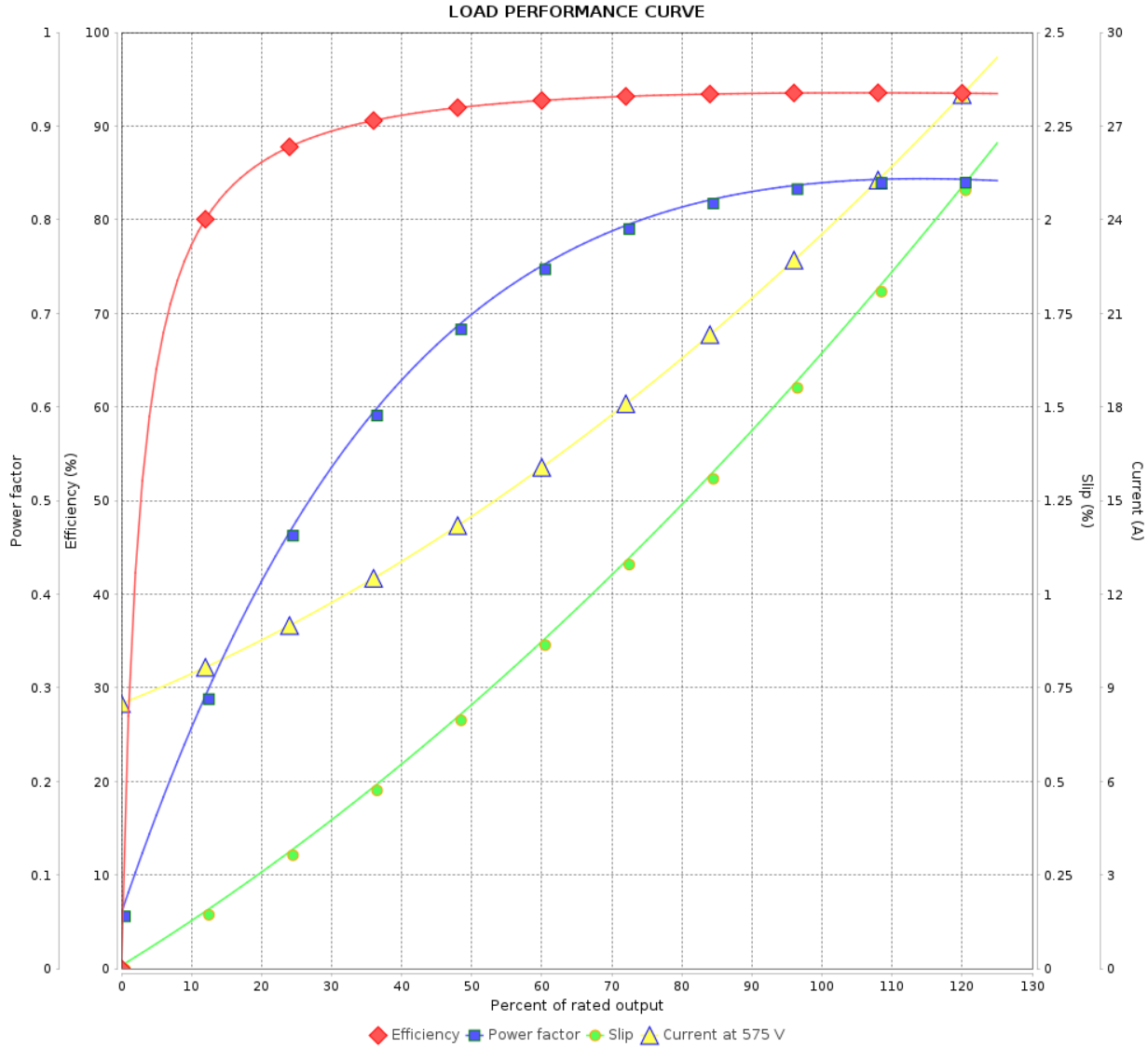
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Customer : _____

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

Product code : 13293739



Performance : 575 V 60 Hz 4P

Rated current : 23.6 A
 LRC : 6.2
 Rated torque : 10.3 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 250 %
 Rated speed : 1770 rpm

Moment of inertia (J) : 0.2153 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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