

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 P Base NEMA Premium Efficiency Three-Phase		Product code : 13293741			
Frame : 324/6HP Output : 40 HP (30 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 37.7 A L. R. Amperes : 230 A LRC : 6.1x(Code G) No load current : 12.8 A Rated speed : 1770 rpm Slip : 1.67 % Rated torque : 16.4 kgfm Locked rotor torque : 220 % Breakdown torque : 240 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.3861 kgm ² Design : B	Locked rotor time : 36s (cold) 20s (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 : 66.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 281 kg				
Output	25%	50%	75%	100%	Foundation loads Max. traction Max. compression
Efficiency (%)	0.000	93.6	94.1	94.1	
Power Factor	0.00	0.72	0.80	0.85	
			<u>Drive end</u>	<u>Non drive end</u>	
Bearing type	:	6314 C3	6212 C3		
Sealing	:	V'Ring	V'Ring		
Lubrication interval	:	12000 h	15000 h		
Lubricant amount	:	27 g	13 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
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Checked by				Page	Revision
Date	14/01/2024			1 / 2	

LOAD PERFORMANCE CURVE

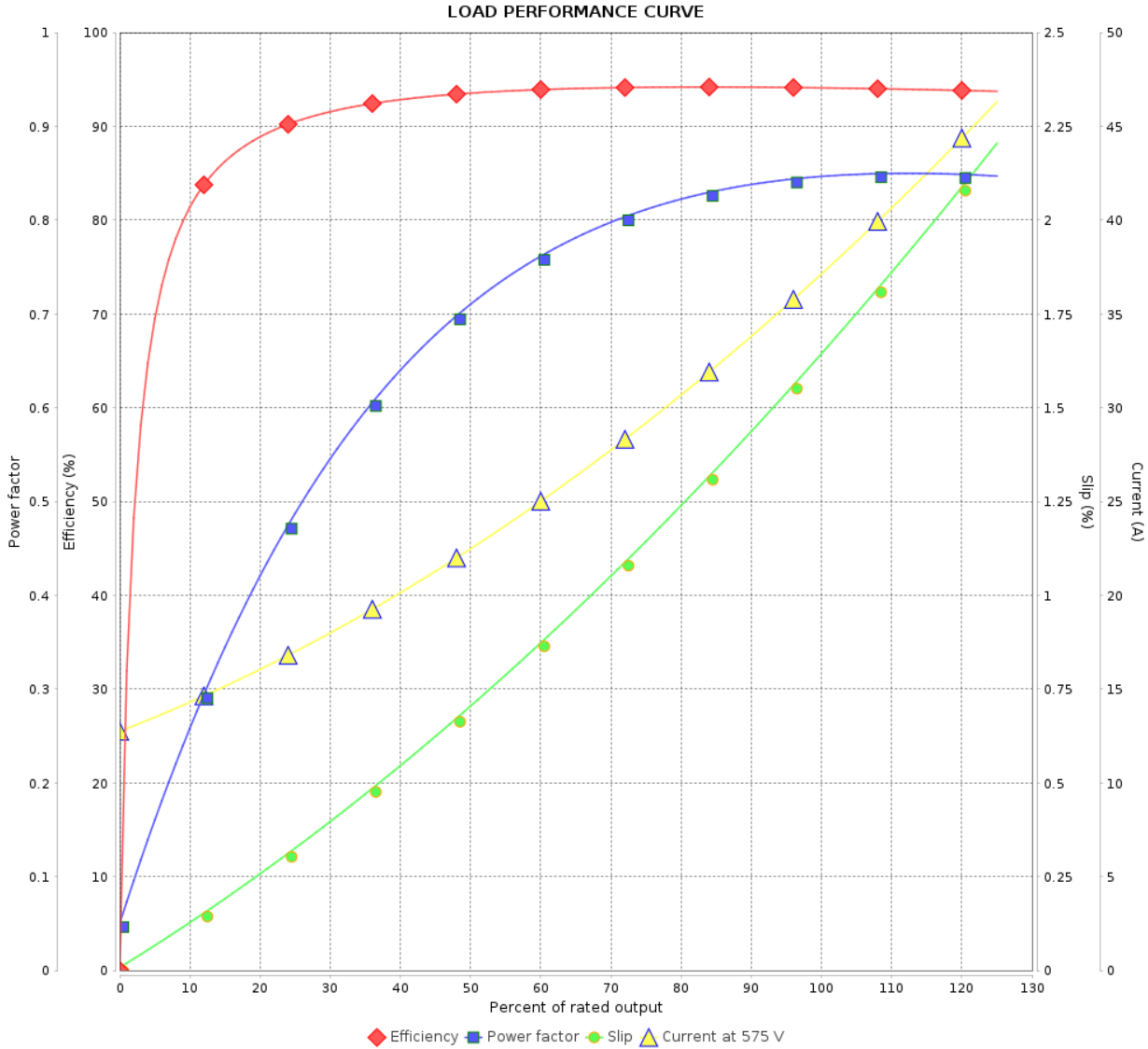
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Customer : _____

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

Product code : 13293741



Performance : 575 V 60 Hz 4P

Rated current : 37.7 A
 LRC : 6.1
 Rated torque : 16.4 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 240 %
 Rated speed : 1770 rpm

Moment of inertia (J) : 0.3861 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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