

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14448047			
Frame : 404/5TS	Locked rotor time : 21s (cold) 12s (hot)				
Output : 125 HP	Temperature rise : 80 K				
Poles : 2	Duty cycle : Cont.(S1)				
Frequency : 60 Hz	Ambient temperature : -20°C to +40°C				
Rated voltage : 575 V	Altitude : 1000 m.a.s.l.				
Rated current : 109 A	Protection degree : IP23				
L. R. Amperes : 741 A	Cooling method : IC01 - ODP				
LRC : 6.8x(Code G)	Mounting : F-1				
No load current : 28.8 A	Rotation ¹ : Both (CW and CCW)				
Rated speed : 3557 rpm	Noise level ² : 84.0 dB(A)				
Slip : 1.19 %	Starting method : Direct On Line				
Rated torque : 25.5 kgfm	Approx. weight ³ : 402 kg				
Locked rotor torque : 170 %					
Breakdown torque : 260 %					
Insulation class : F					
Service factor : 1.25					
Moment of inertia (J) : 0.3468 kgm ²					
Design : B					
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	93.0	94.1	94.1	
Power Factor	0.00	0.79	0.86	0.88	
Foundation loads					
Max. traction : 451 kgf					
Max. compression : 853 kgf					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type :	6314 C3		6212 Z C3		
Sealing :	Without Bearing Seal		Without Bearing Seal		
Lubrication interval :	14418 h		20000 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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LOAD PERFORMANCE CURVE

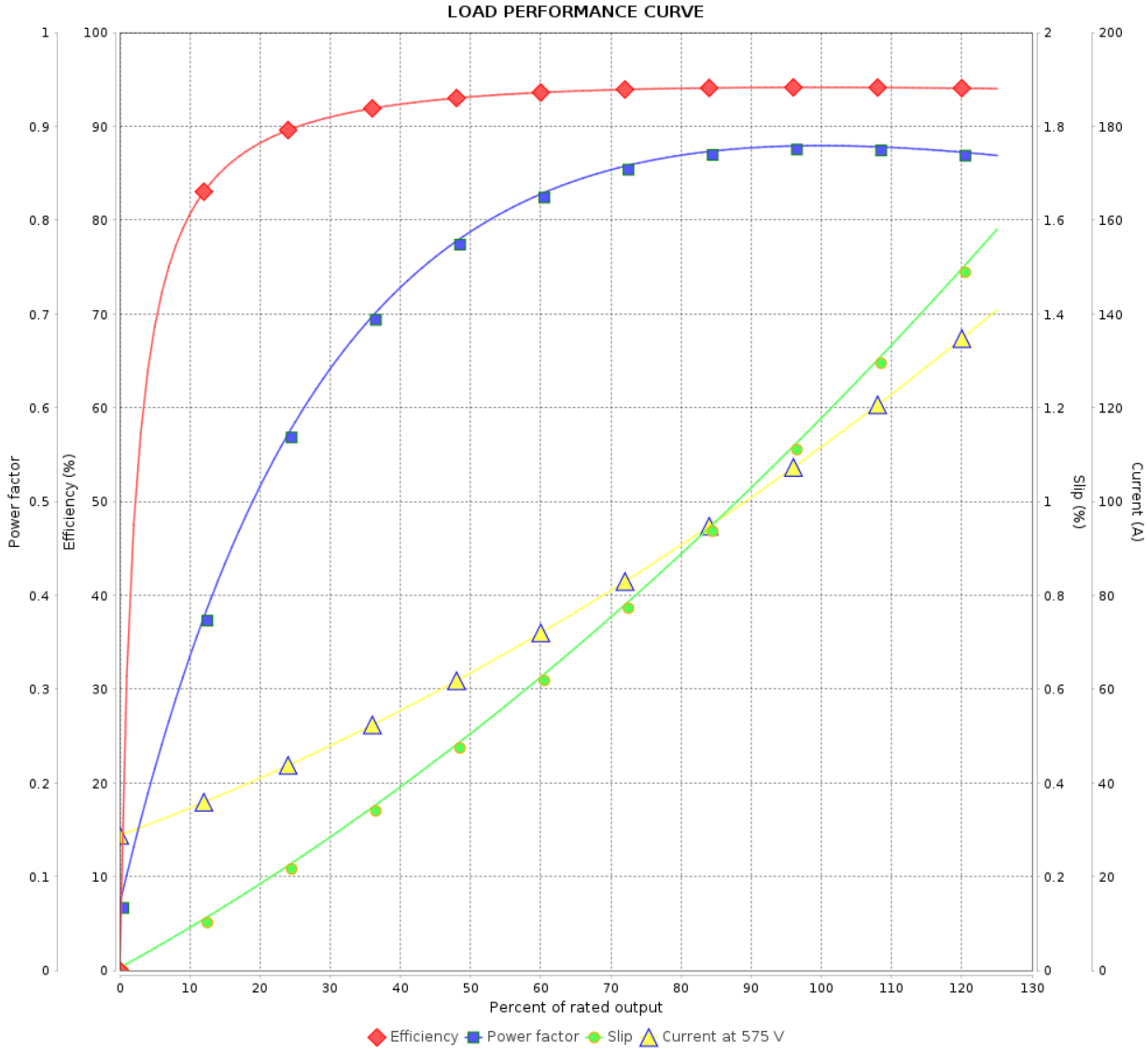
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Product code : 14448047



Performance : 575 V 60 Hz 2P

Rated current : 109 A
 LRC : 6.8
 Rated torque : 25.5 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 260 %
 Rated speed : 3557 rpm

Moment of inertia (J) : 0.3468 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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