

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14438489				
Frame : 364/5TS Output : 75 HP (55 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 67.8 A L. R. Amperes : 434 A LRC : 6.4x(Code G) No load current : 17.2 A Rated speed : 3560 rpm Slip : 1.11 % Rated torque : 15.3 kgfm Locked rotor torque : 190 % Breakdown torque : 250 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.2865 kgm ² Design : B	Locked rotor time : 34s (cold) 19s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 82.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 334 kg					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	89.6	91.7	93.0	93.6	Max. traction : 262 kgf	
Power Factor	0.64	0.78	0.84	0.87	Max. compression : 596 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
Performed by						
Checked by					Page	Revision
Date	05/02/2024				1 / 2	

LOAD PERFORMANCE CURVE

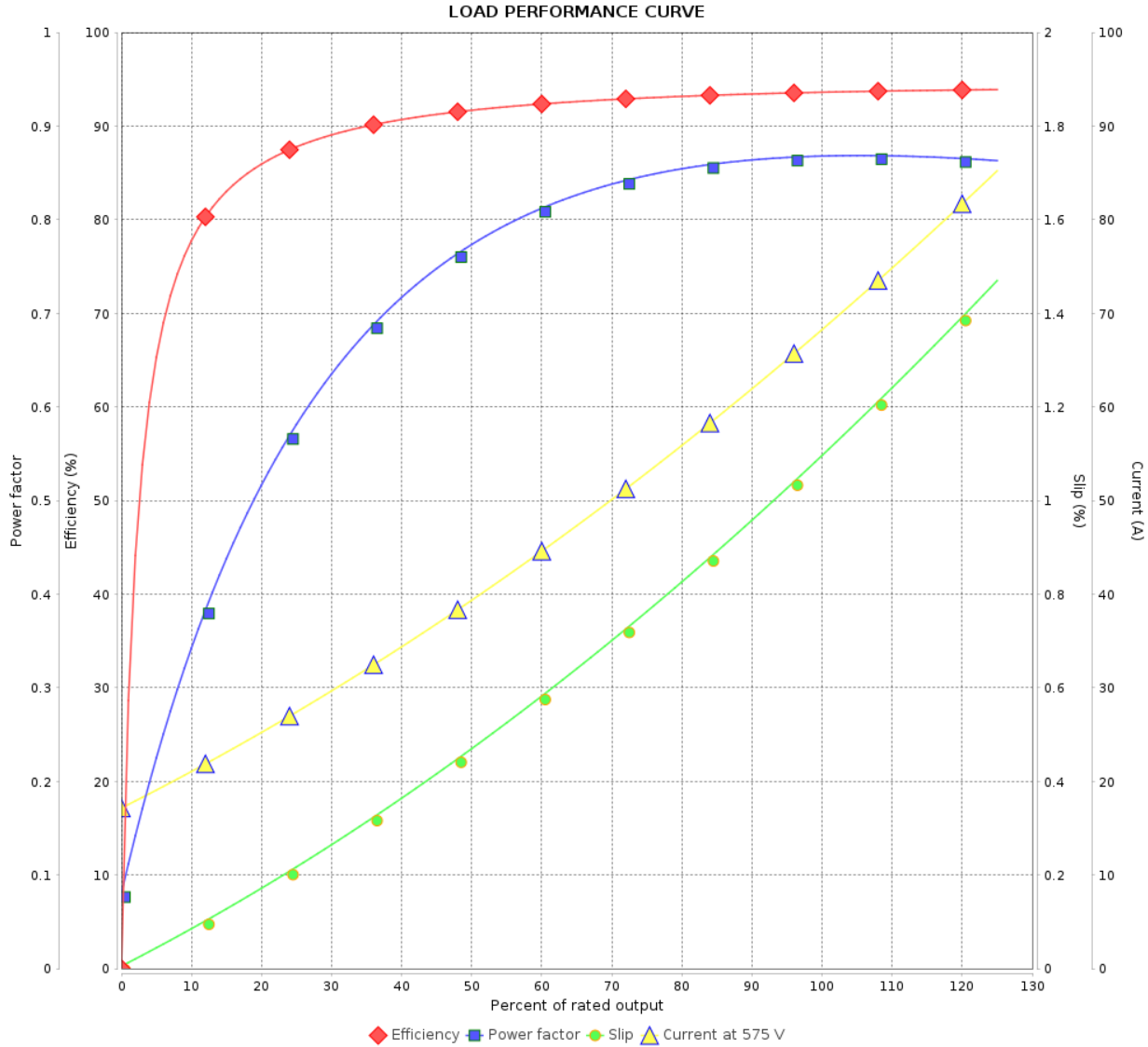
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Product code : 14438489



Performance : 575 V 60 Hz 2P

Rated current : 67.8 A
 LRC : 6.4
 Rated torque : 15.3 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 3560 rpm

Moment of inertia (J) : 0.2865 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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Performed by			Page 2 / 2	Revision
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