

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14427836			
Frame : 444/5T Output : 150 HP (110 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 575 V Rated current : 146 A L. R. Amperes : 937 A LRC : 6.4x(Code G) No load current : 68.8 A Rated speed : 1188 rpm Slip : 1.00 % Rated torque : 91.6 kgfm Locked rotor torque : 210 % Breakdown torque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 3.33 kgm ² Design : B	Locked rotor time : 19s (cold) 11s (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 : 69.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 690 kg				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	94.5	95.0	95.4	Max. traction : 1739 kgf	
Power Factor	0.62	0.73	0.79	Max. compression : 2429 kgf	
	<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6319 C3	6212 Z C3		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	45 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	15/01/2024			1 / 2	

LOAD PERFORMANCE CURVE

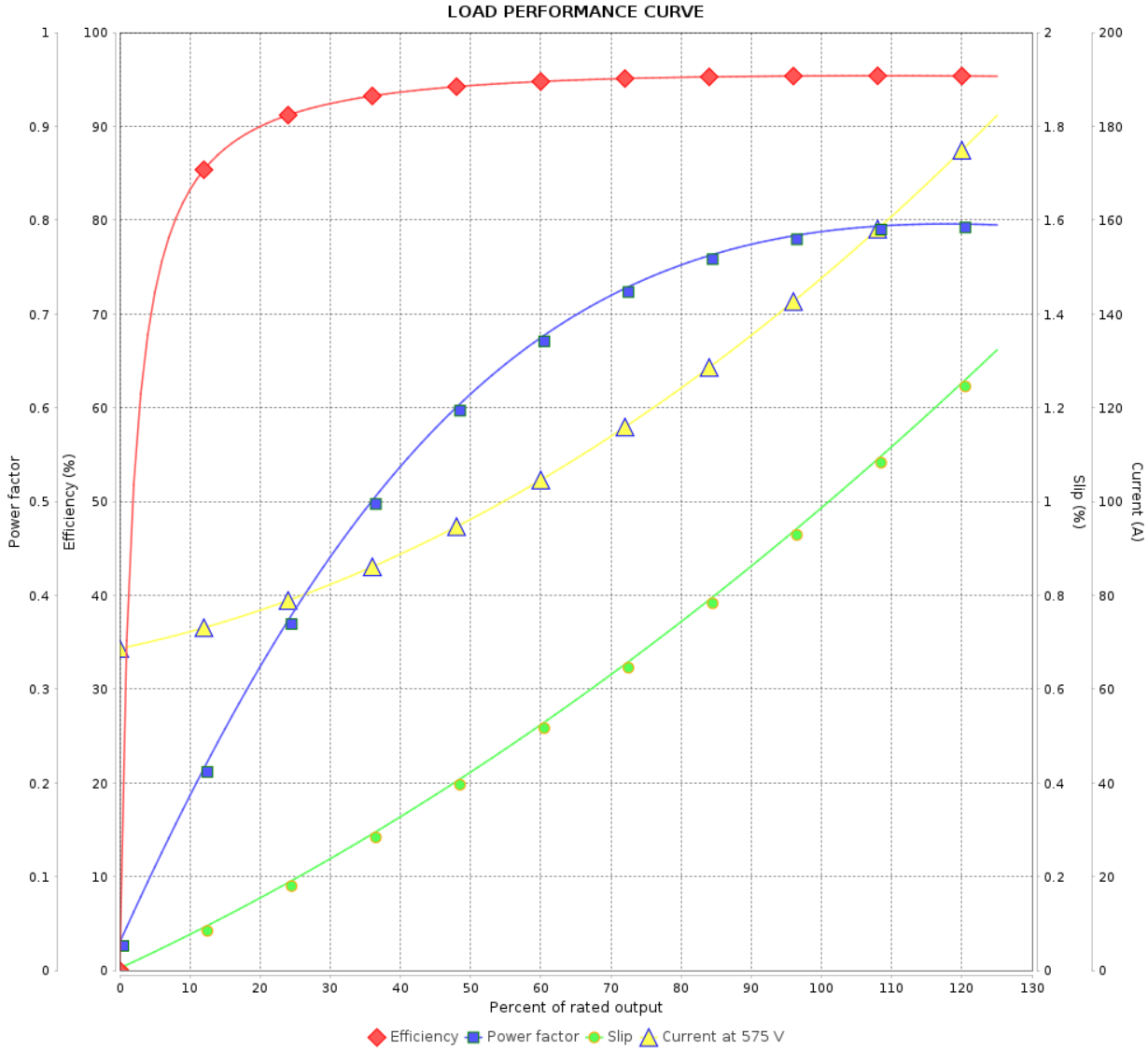
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Product code : 14427836



Performance : 575 V 60 Hz 6P

Rated current : 146 A
 LRC : 6.4
 Rated torque : 91.6 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 260 %
 Rated speed : 1188 rpm

Moment of inertia (J) : 3.33 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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Performed by			Page 2 / 2	Revision
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