

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14432935			
Frame : 444/5T Output : 150 HP (110 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 136 A L. R. Amperes : 884 A LRC : 6.5x(Code G) No load current : 46.4 A Rated speed : 1784 rpm Slip : 0.89 % Rated torque : 61.0 kgfm Locked rotor torque : 200 % Breakdown torque : 240 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 1.77 kgm ² Design : B	Locked rotor time : 39s (cold) 22s (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 : 78.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 611 kg				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	95.4	95.8	95.8	Max. traction : 975 kgf	
Power Factor	0.74	0.82	0.85	Max. compression : 1586 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	NU-319 C3	6314 C3		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	18825 h	20000 h		
Lubricant amount	:	45 g	27 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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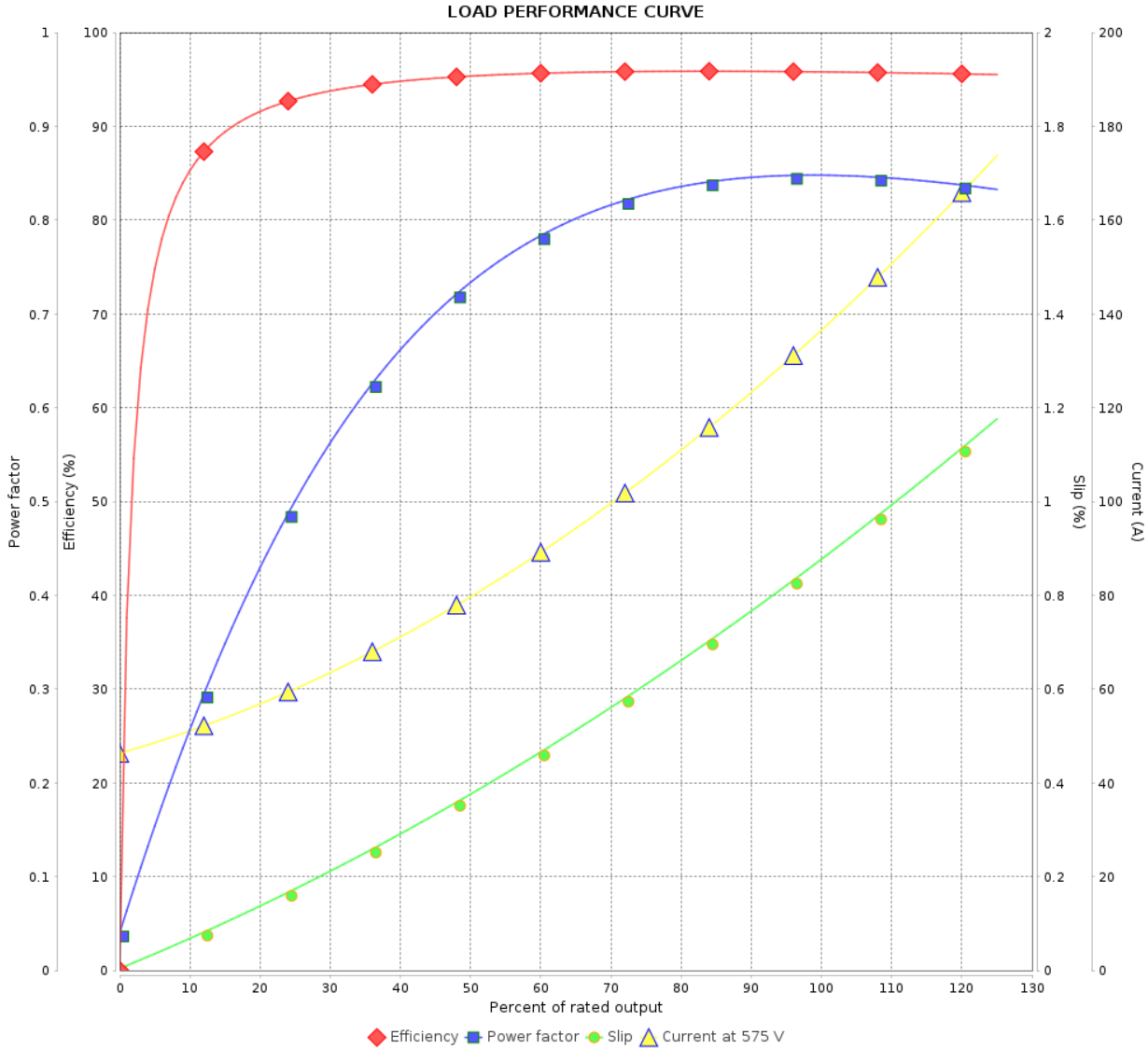
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14432935



Performance : 575 V 60 Hz 4P

Rated current : 136 A	Moment of inertia (J) : 1.77 kgm ²
LRC : 6.5	Duty cycle : Cont.(S1)
Rated torque : 61.0 kgfm	Insulation class : F
Locked rotor torque : 200 %	Service factor : 1.25
Breakdown torque : 240 %	Temperature rise : 80 K
Rated speed : 1784 rpm	Design : B

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