

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase		Product code : 13556839				
Frame : 504/5T Output : 125 HP Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 113 A L. R. Amperes : 723 A LRC : 6.4x(Code G) No load current : 40.0 A Rated speed : 1790 rpm Slip : 0.56 % Rated torque : 50.7 kgfm Locked rotor torque : 200 % Breakdown torque : 270 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 2.98 kgm ² Design : B	Locked rotor time : 63s (cold) 35s (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 : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 960 kg					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	94.5	95.4	95.4	Max. traction : 597 kgf	
Power Factor	0.00	0.72	0.81	0.84	Max. compression : 1557 kgf	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:		NU-319 C3		6316 C3	
Sealing	:		WSeal		WSeal	
Lubrication interval	:		5000 h		10000 h	
Lubricant amount	:		45 g		34 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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LOAD PERFORMANCE CURVE

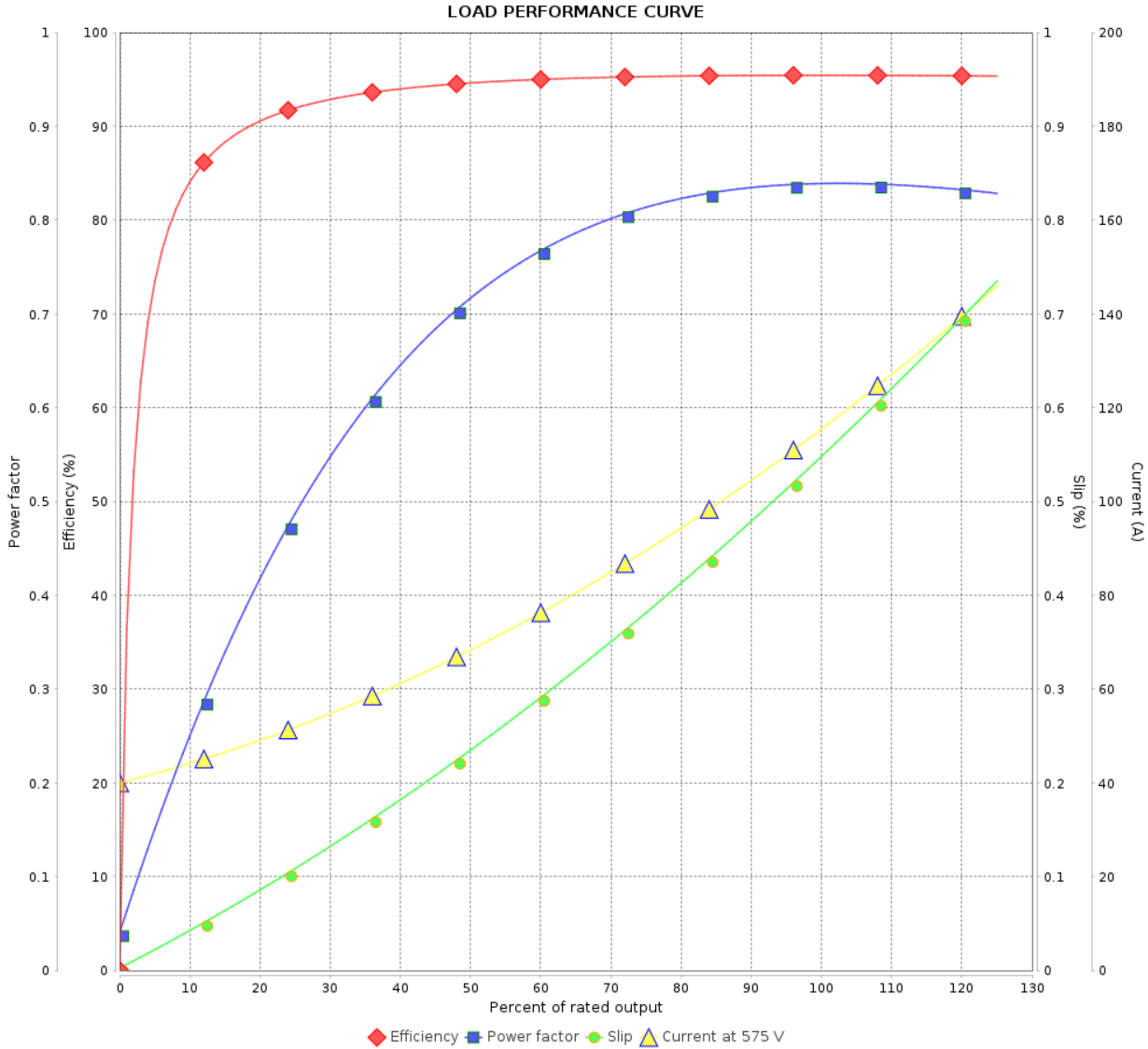
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13556839



Performance : 575 V 60 Hz 4P

Rated current	: 113 A	Moment of inertia (J)	: 2.98 kgm ²
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 50.7 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1790 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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