

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14495599			
Frame : 254/6TC Output : 25 HP (18.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 23.0 A L. R. Amperes : 150 A LRC : 6.5x(Code G) No load current : 6.80 A Rated speed : 3535 rpm Slip : 1.81 % Rated torque : 5.13 kgfm Locked rotor torque : 200 % Breakdown torque : 280 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0478 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) Starting method : Direct On Line Approx. weight ³ : 102 kg				
Output	25%	50%	75%	100%	Foundation loads Max. traction Max. compression
Efficiency (%)	90.8	91.0	91.7	91.7	
Power Factor	0.53	0.77	0.85	0.88	
		<u>Drive end</u> Bearing type : 6309 Z C3 Sealing : Without Bearing Seal Lubrication interval : 20000 h Lubricant amount : 13 g Lubricant type : Mobil Polyrex EM		<u>Non drive end</u> Bearing type : 6209 Z C3 Sealing : Without Bearing Seal Lubrication interval : 20000 h Lubricant amount : 9 g	
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

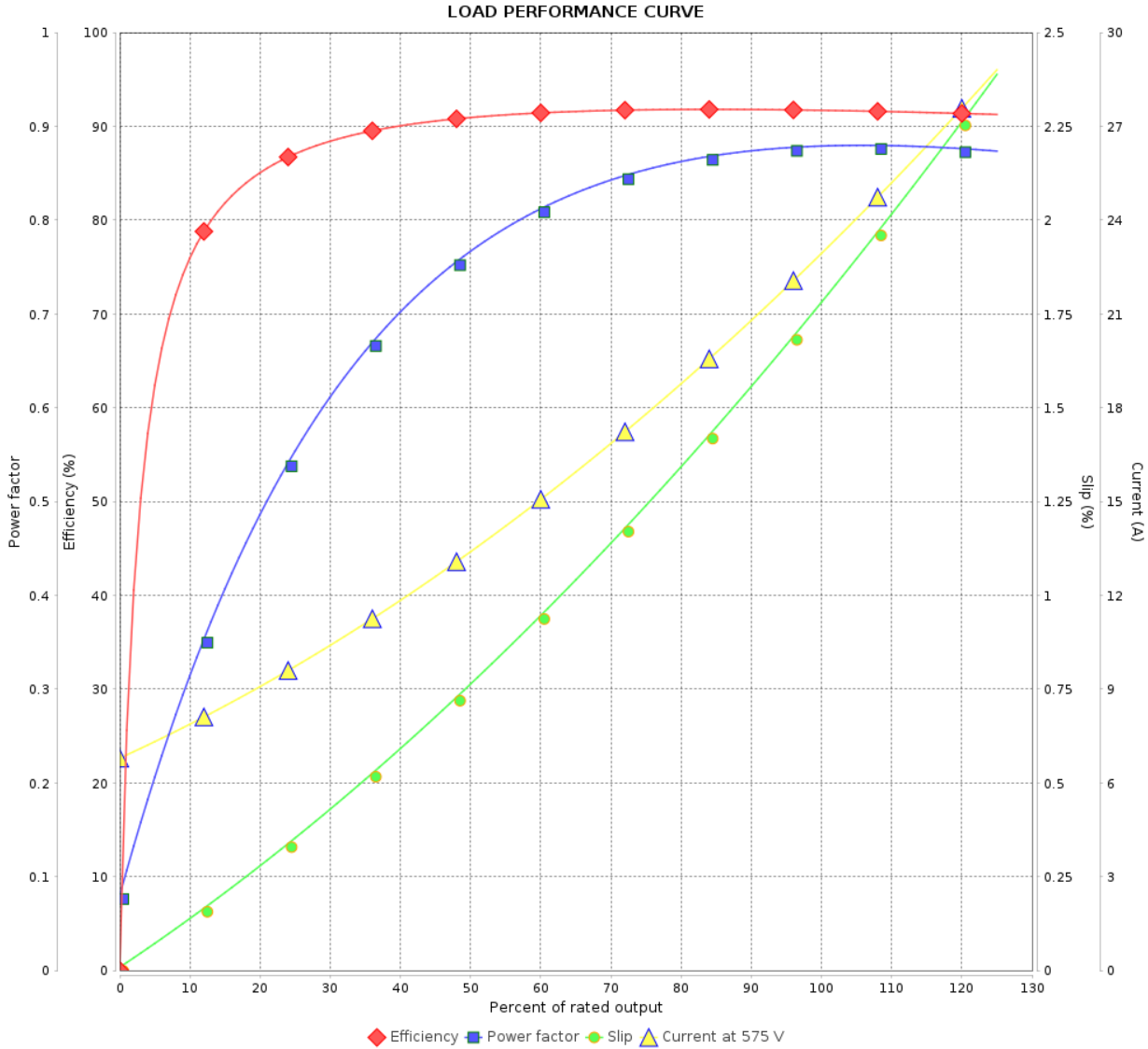
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14495599



Performance : 575 V 60 Hz 2P

Rated current	: 23.0 A	Moment of inertia (J)	: 0.0478 kgm ²
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 5.13 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3535 rpm	Design	: B

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