

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14496820			
Frame : 324T Output : 40 HP (30 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 38.1 A L. R. Amperes : 236 A LRC : 6.2x(Code G) No load current : 14.8 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 16.4 kgfm Locked rotor torque : 200 % Breakdown torque : 240 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.2397 kgm ² Design : B	Locked rotor time : 23s (cold) 13s (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 : 66.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 203 kg				
Output	25%	50%	75%	100%	Foundation loads Max. traction Max. compression
Efficiency (%)	93.5	93.6	94.1	94.1	
Power Factor	0.44	0.70	0.80	0.84	
		<u>Drive end</u> Bearing type : 6312 Z C3 Sealing : Without Bearing Seal Lubrication interval : 20000 h Lubricant amount : 21 g Lubricant type : Mobil Polyrex EM		<u>Non drive end</u> Bearing type : 6211 Z C3 Sealing : Without Bearing Seal Lubrication interval : 20000 h Lubricant amount : 11 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.		
Rev.	Changes Summary		Performed	Checked	Date
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Checked by				Page	Revision
Date	22/10/2023			1 / 2	

LOAD PERFORMANCE CURVE

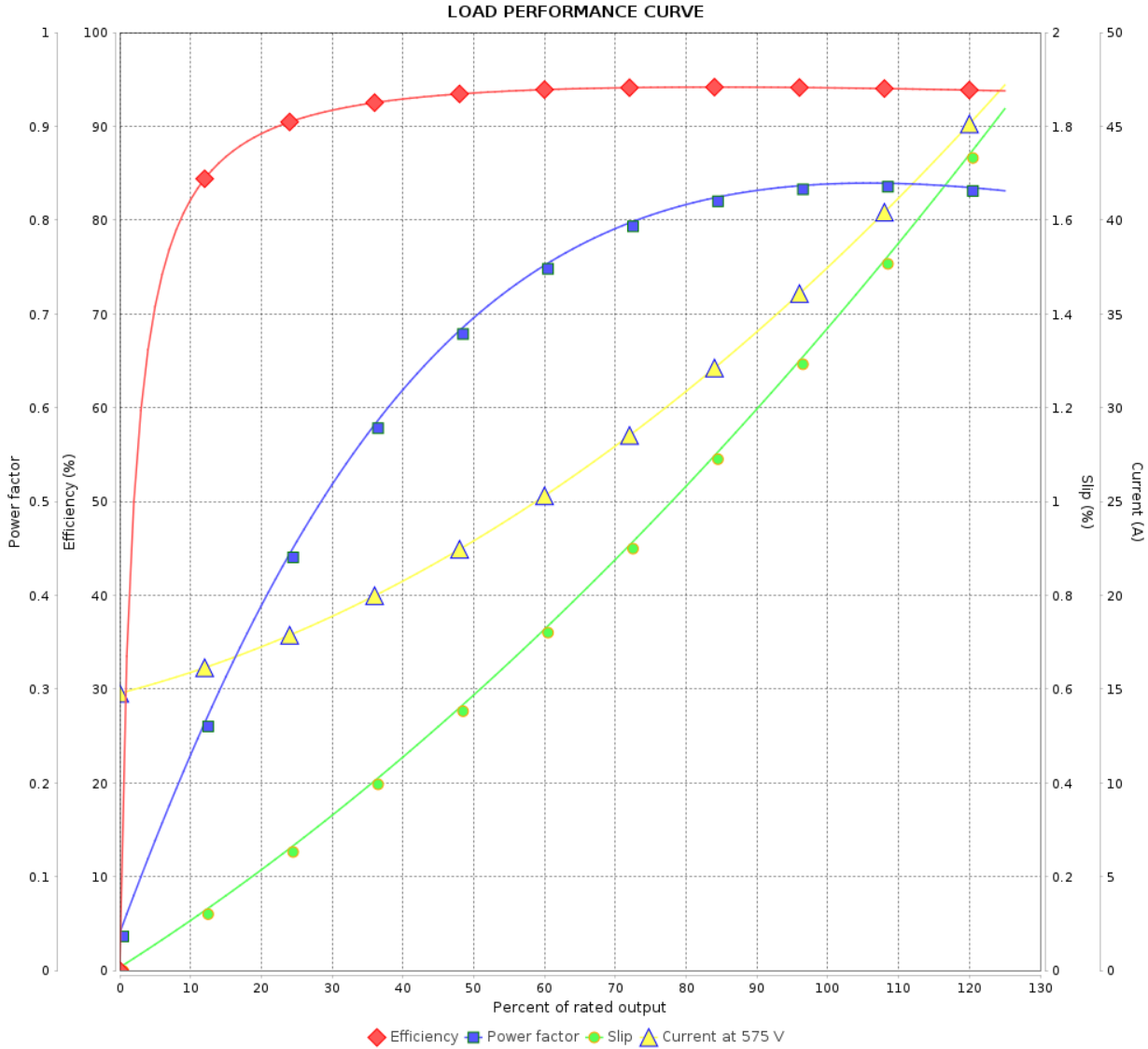
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14496820



Performance : 575 V 60 Hz 4P

Rated current : 38.1 A
 LRC : 6.2
 Rated torque : 16.4 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 240 %
 Rated speed : 1775 rpm

Moment of inertia (J) : 0.2397 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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