

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 16376452				
Frame : 444/5TSC Output : 250 HP (185 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 220 A L. R. Amperes : 1452 A LRC : 6.6x(Code G) No load current : 53.0 A Rated speed : 3565 rpm Slip : 0.97 % Rated torque : 50.9 kgfm Locked rotor torque : 180 % Breakdown torque : 200 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.14 kgm ² Design : B	Locked rotor time : 21s (cold) 12s (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 : 85.0 dB(A) Starting method : VFD Approx. weight ³ : 677 kg					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.0	95.4	95.8	Max. traction : 552 kgf	
Power Factor	0.00	0.81	0.86	0.88	Max. compression : 1229 kgf	
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6314 C3		6212 Z C3		
Sealing	:	Without Bearing Seal		Without Bearing Seal		
Lubrication interval	:	14418 h		20000 h		
Lubricant amount	:	27 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.			
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LOAD PERFORMANCE CURVE

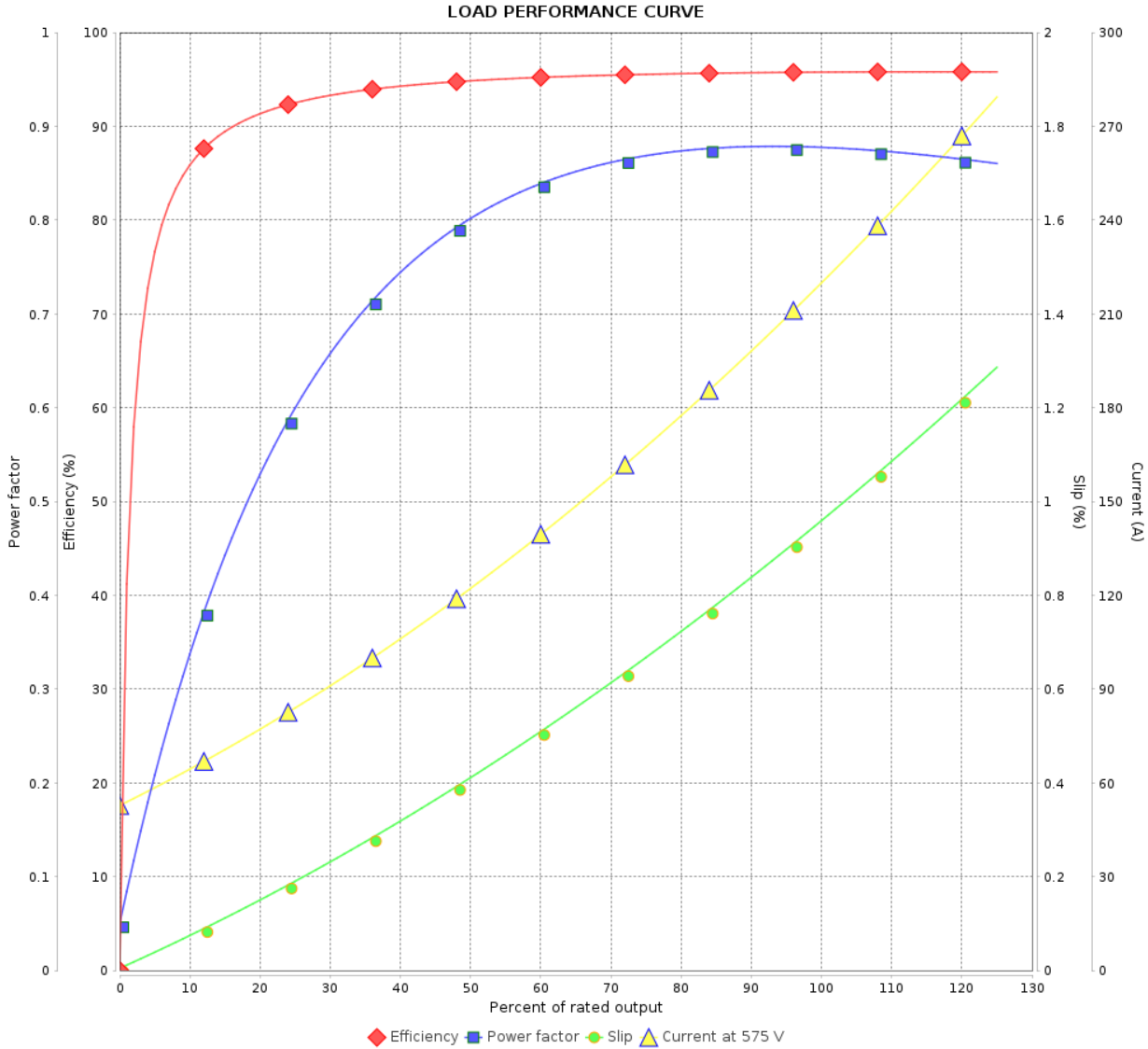
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 16376452



Performance : 575 V 60 Hz 2P

Rated current : 220 A
 LRC : 6.6
 Rated torque : 50.9 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 200 %
 Rated speed : 3565 rpm

Moment of inertia (J) : 1.14 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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