

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W40 NEMA Premium Efficiency Three-Phase			Product code : 14495151			
Frame : 284TC Output : 25 HP (18.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 23.6 A L. R. Amperes : 149 A LRC : 6.3x(Code G) No load current : 8.32 A Rated speed : 1770 rpm Slip : 1.67 % Rated torque : 10.3 kgfm Locked rotor torque : 229 % Breakdown torque : 270 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.1563 kgm ² Design : B			Locked rotor time : 59s (cold) 33s (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 : 64.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 161 kg			
Output	25%	50%	75%	100%	Foundation loads Max. traction Max. compression	
Efficiency (%)	92.8	93.0	93.6	93.6		
Power Factor	0.46	0.69	0.80	0.84		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6311 Z C3		6211 Z C3		
Sealing	:	Without Bearing Seal		Without Bearing Seal		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	18 g		11 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.			
Rev.	Changes Summary			Performed	Checked	Date
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LOAD PERFORMANCE CURVE

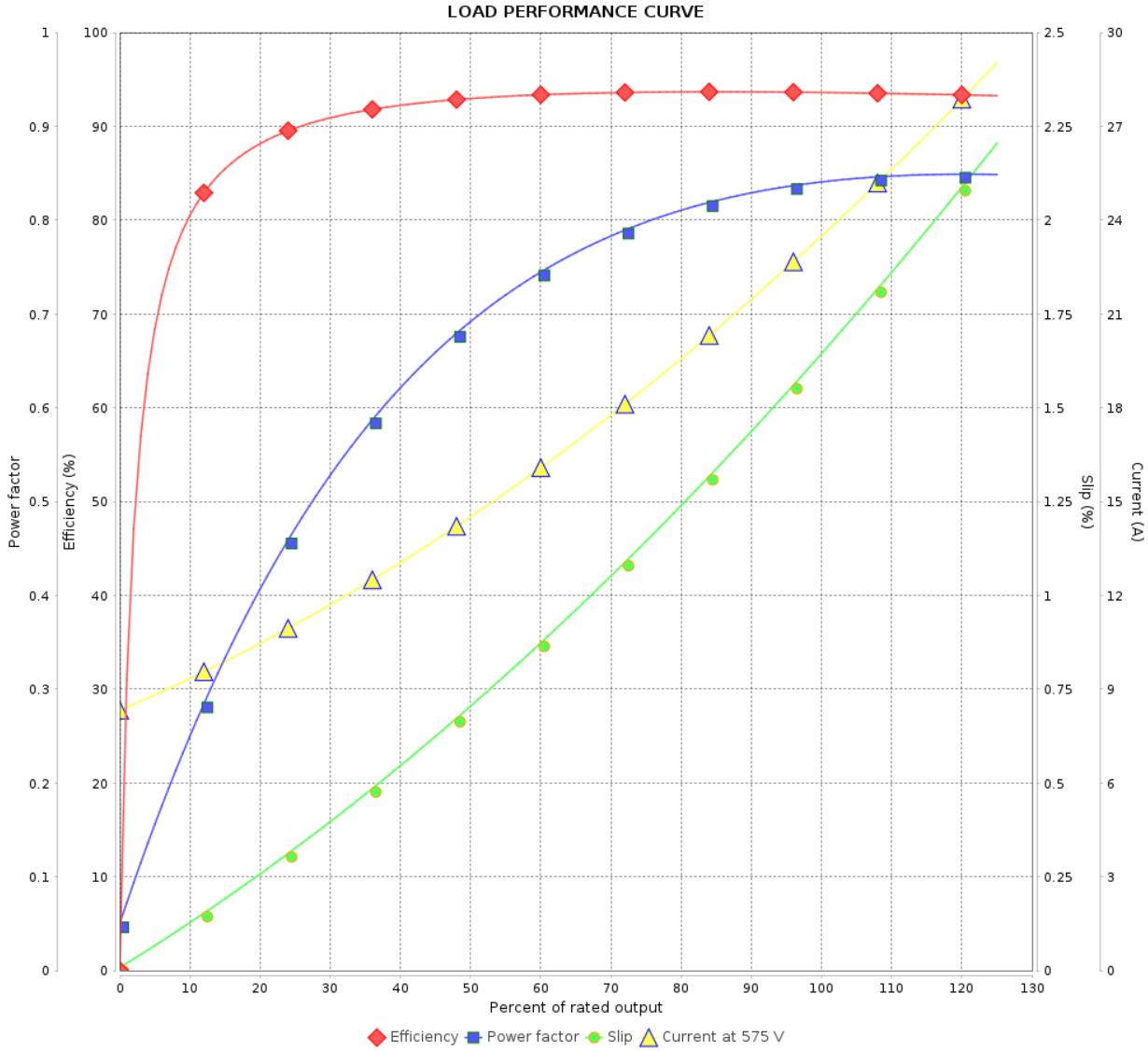
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Product code : 14495151



Performance : 575 V 60 Hz 4P

Rated current : 23.6 A
 LRC : 6.3
 Rated torque : 10.3 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 270 %
 Rated speed : 1770 rpm

Moment of inertia (J) : 0.1563 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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