

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22 IE1 Three-Phase		Product code : 11360539			
Frame : 160M Output : 11 kW Poles : 2 Frequency : 50 Hz Rated voltage : 380/660 V Rated current : 21.6/12.4 A L. R. Amperes : 147/84.6 A LRC : 6.8 No load current : 5.90/3.40 A Rated speed : 2920 rpm Slip : 2.67 % Rated torque : 3.67 kgfm Locked rotor torque : 180 % Breakdown torque : 270 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0408 kgm ² Design : N		Locked rotor time : 19s (cold) 11s (hot) Temperature rise : 80 K Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : B3T Rotation ¹ : Both (CW and CCW) Noise level ² : 67.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 107 kg			
Output	50%	75%	100%	Foundation loads Max. traction : 93 kgf Max. compression : 200 kgf	
Efficiency (%)	88.4	88.7	88.1		
Power Factor	0.76	0.85	0.88		
		<u>Drive end</u> Bearing type : 6309 C3 Sealing : V'Ring Lubrication interval : 20000 h Lubricant amount : 13 g Lubricant type : Mobil Polyrex EM	<u>Non drive end</u> 6209 Z C3 V'Ring 20000 h 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 IEC 60034-1.			
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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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TORQUE AND CURRENT VS SPEED CURVE

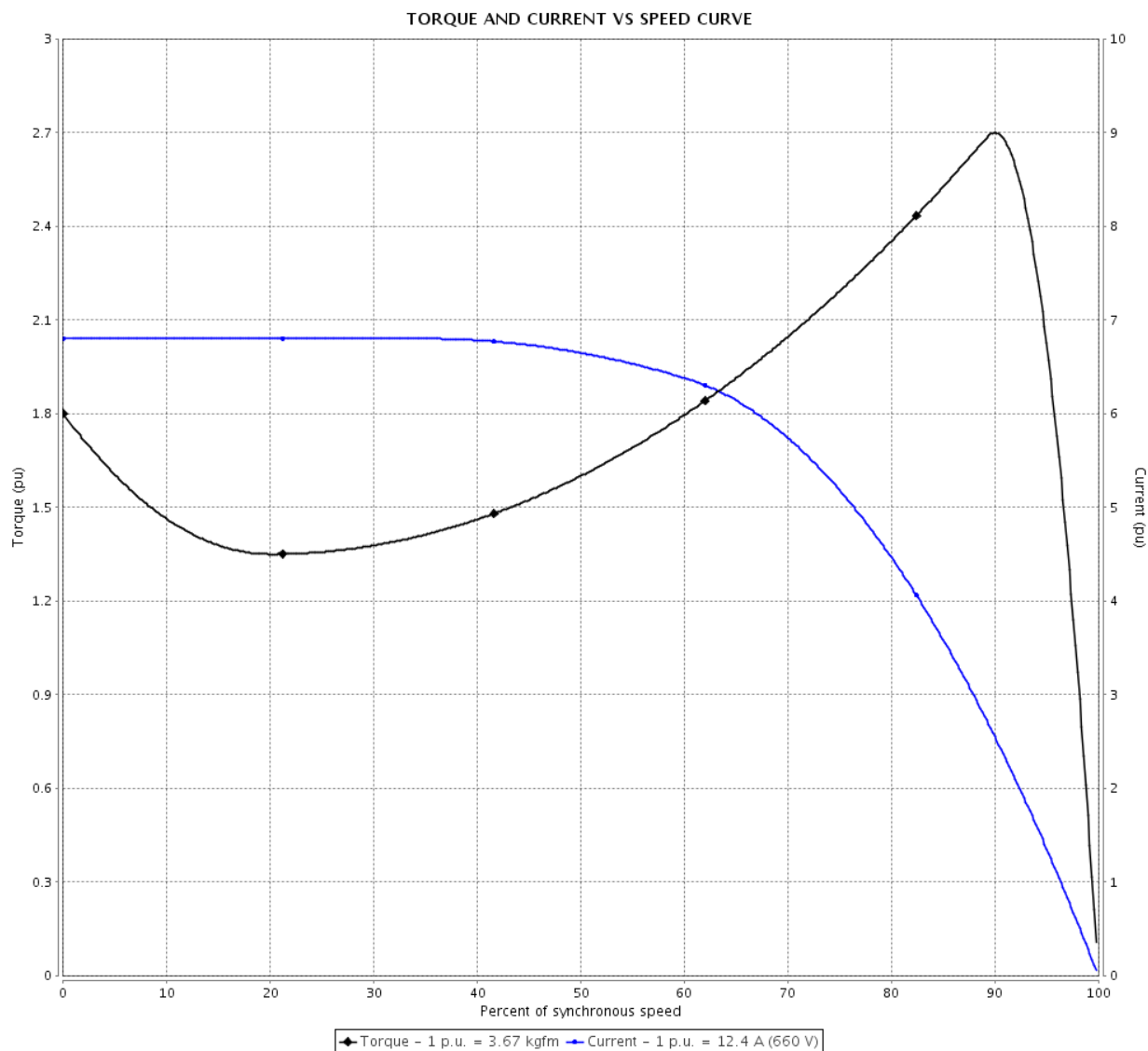
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Customer :

Product line : W22 IE1 Three-Phase

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Performance : 380/660 V 50 Hz 2P

Rated current : 21.6/12.4 A
LRC : 6.8
Rated torque : 3.67 kgfm
Locked rotor torque : 180 %
Breakdown torque : 270 %
Rated speed : 2920 rpm

Moment of inertia (J) : 0.0408 kgm²
Duty cycle : S1
Insulation class : F
Service factor : 1.00
Temperature rise : 80 K
Design : N

Locked rotor time : 19s (cold) 11s (hot)

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LOAD PERFORMANCE CURVE

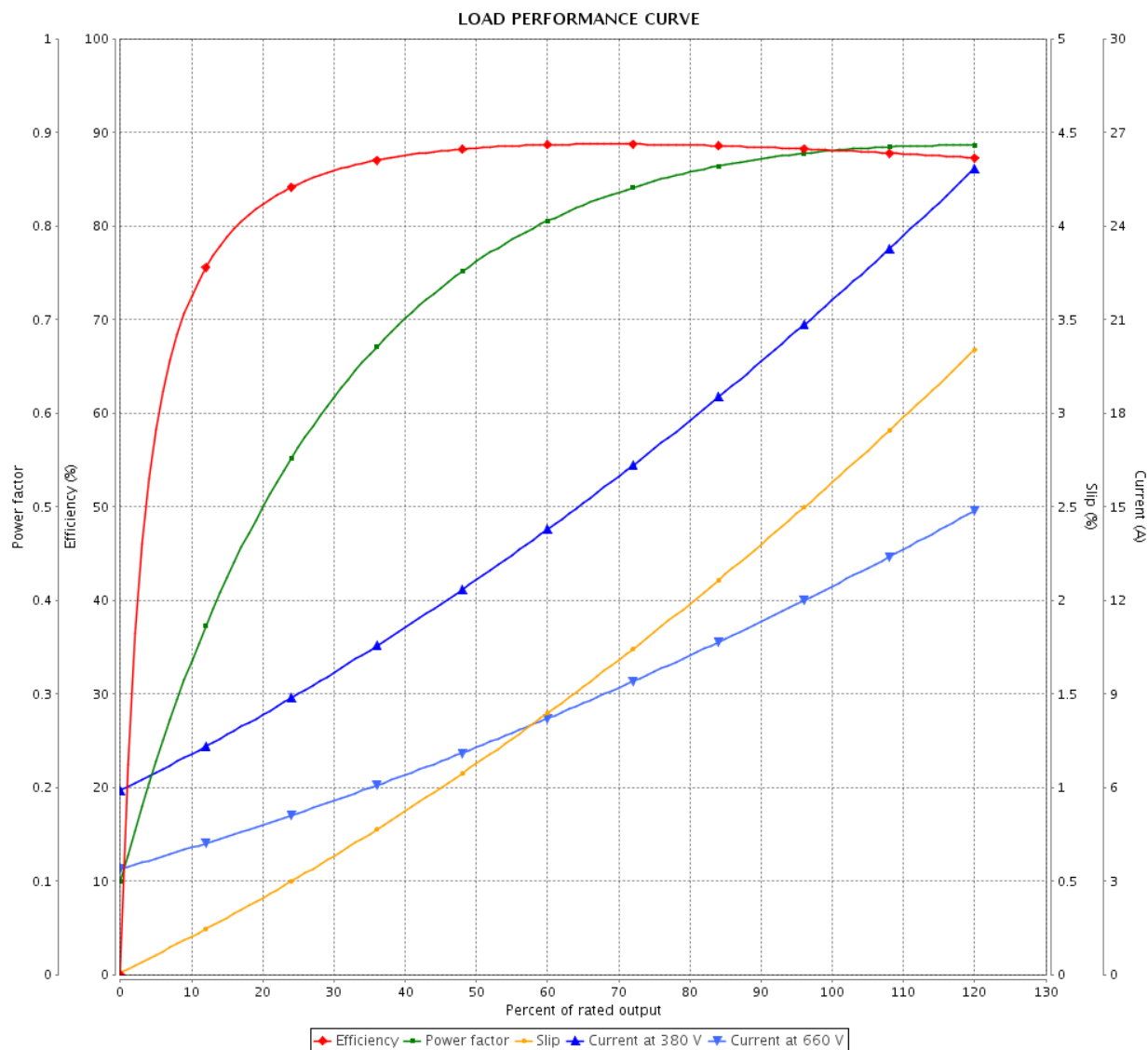
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