

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : W22Xd IE1 IIB T4		Product code : 12383205		
Frame : 80 Output : 1.1 kW Poles : 2 Frequency : 50 Hz Rated voltage : 220/380 V Rated current : 4.32/2.50 A L. R. Amperes : 27.2/15.8 A LRC : 6.3 No load current : 1.90/1.10 A Rated speed : 2775 rpm Slip : 7.50 % Rated torque : 0.386 kgfm Locked rotor torque : 229 % Breakdown torque : 229 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0009 kgm ² Design : N		Locked rotor time : 12s (cold) 7s (hot) Temperature rise : 80 K Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP56 Cooling method : IC411 - TEFC Mounting : B3T Rotation ¹ : Both (CW and CCW) Noise level ² : 59.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 26.5 kg		
Output	50%	75%	100%	Foundation loads Max. traction : 19 kgf Max. compression : 46 kgf
Efficiency (%)	75.3	76.8	76.1	
Power Factor	0.70	0.82	0.88	
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		<u>Drive end</u> 6204 ZZ Oil Seal - - Mobil Polyrex EM <u>Non drive end</u> 6203 ZZ Lip Seal - -		
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	150 °C

Space heater information

Voltage: 200 - 240 V

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TORQUE AND CURRENT VS SPEED CURVE

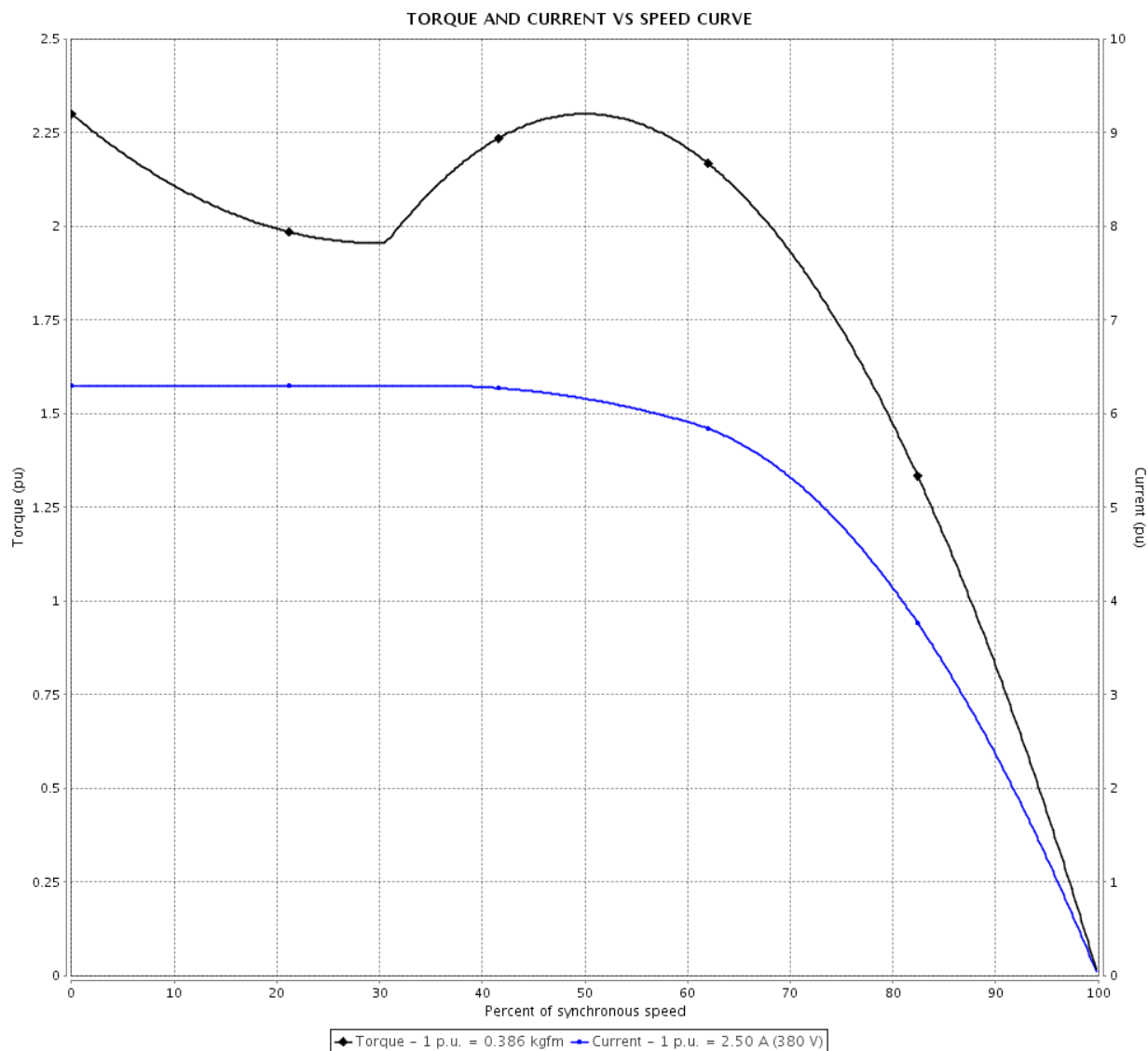
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 Breakdown torque : 229 %
 Rated speed : 2775 rpm

Moment of inertia (J) : 0.0009 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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LOAD PERFORMANCE CURVE

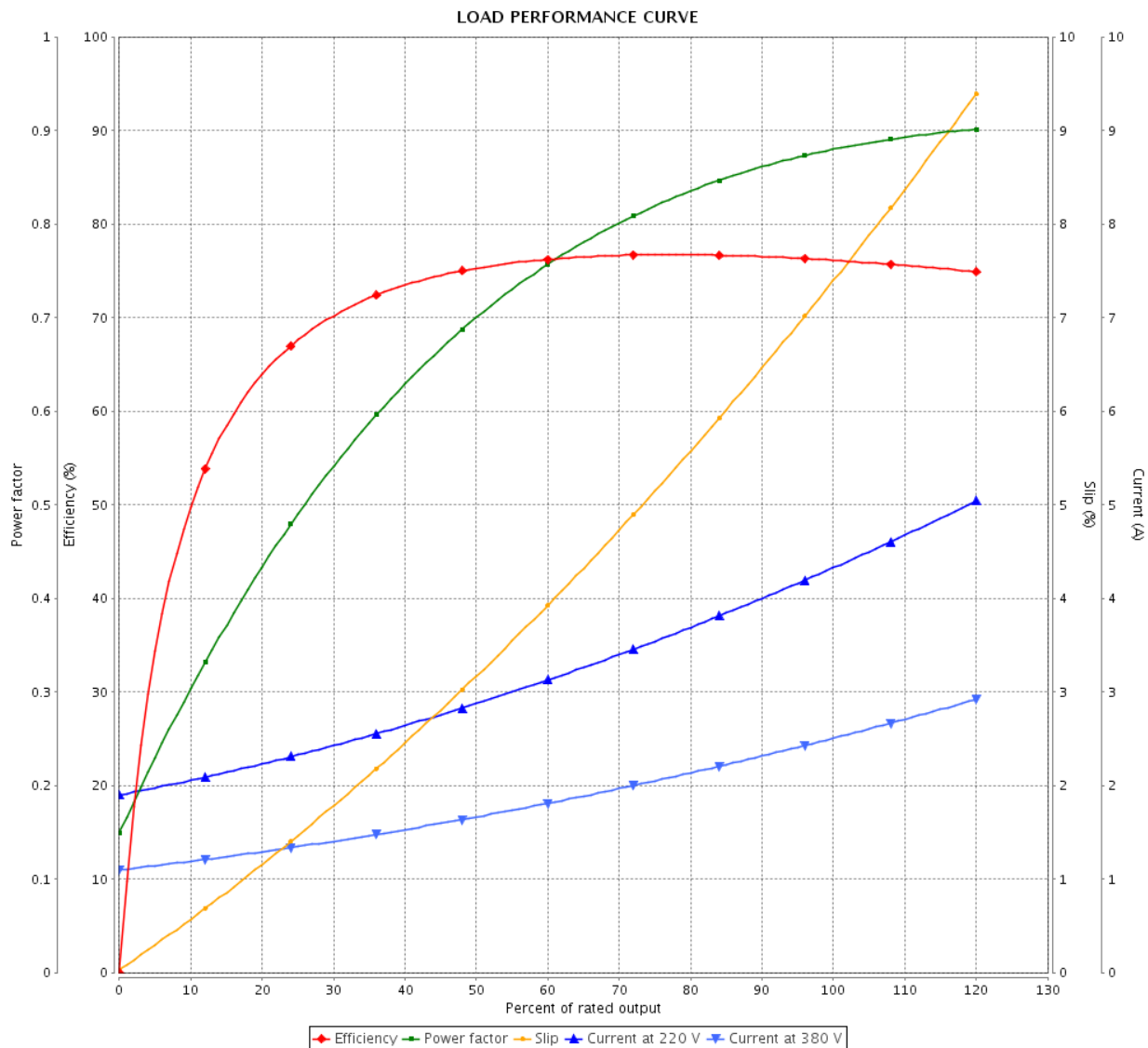
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