

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____																
Product line : W21 Explosion Proof NEMA Premium Efficiency Three-Phase		Product code : 15831993														
Frame : 213/5TD Output : 2 HP (1.5 kW) Poles : 8 Frequency : 60 Hz Rated voltage : 575 V Rated current : 2.76 A L. R. Amperes : 19.3 A LRC : 7.0x(Code L) No load current : 1.76 A Rated speed : 875 rpm Slip : 2.78 % Rated torque : 1.66 kgfm Locked rotor torque : 229 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0552 kgm ² Design : B	Locked rotor time : 63s (cold) 35s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 52.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 85.2 kg															
<table border="1"> <thead> <tr> <th>Output</th> <th>50%</th> <th>75%</th> <th>100%</th> </tr> </thead> <tbody> <tr> <td>Efficiency (%)</td> <td>80.0</td> <td>82.5</td> <td>84.0</td> </tr> <tr> <td>Power Factor</td> <td>0.45</td> <td>0.57</td> <td>0.65</td> </tr> </tbody> </table>	Output	50%	75%	100%	Efficiency (%)	80.0	82.5	84.0	Power Factor	0.45	0.57	0.65	Foundation loads Max. traction : 43 kgf Max. compression : 128 kgf			
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Efficiency (%)	80.0	82.5	84.0													
Power Factor	0.45	0.57	0.65													
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		<u>Drive end</u> 6308 2RS Oil Seal - - Mobil Polyrex EM	<u>Non drive end</u> 6207 2RS 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 NEMA MG-1.														
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Thermal protection

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

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LOAD PERFORMANCE CURVE

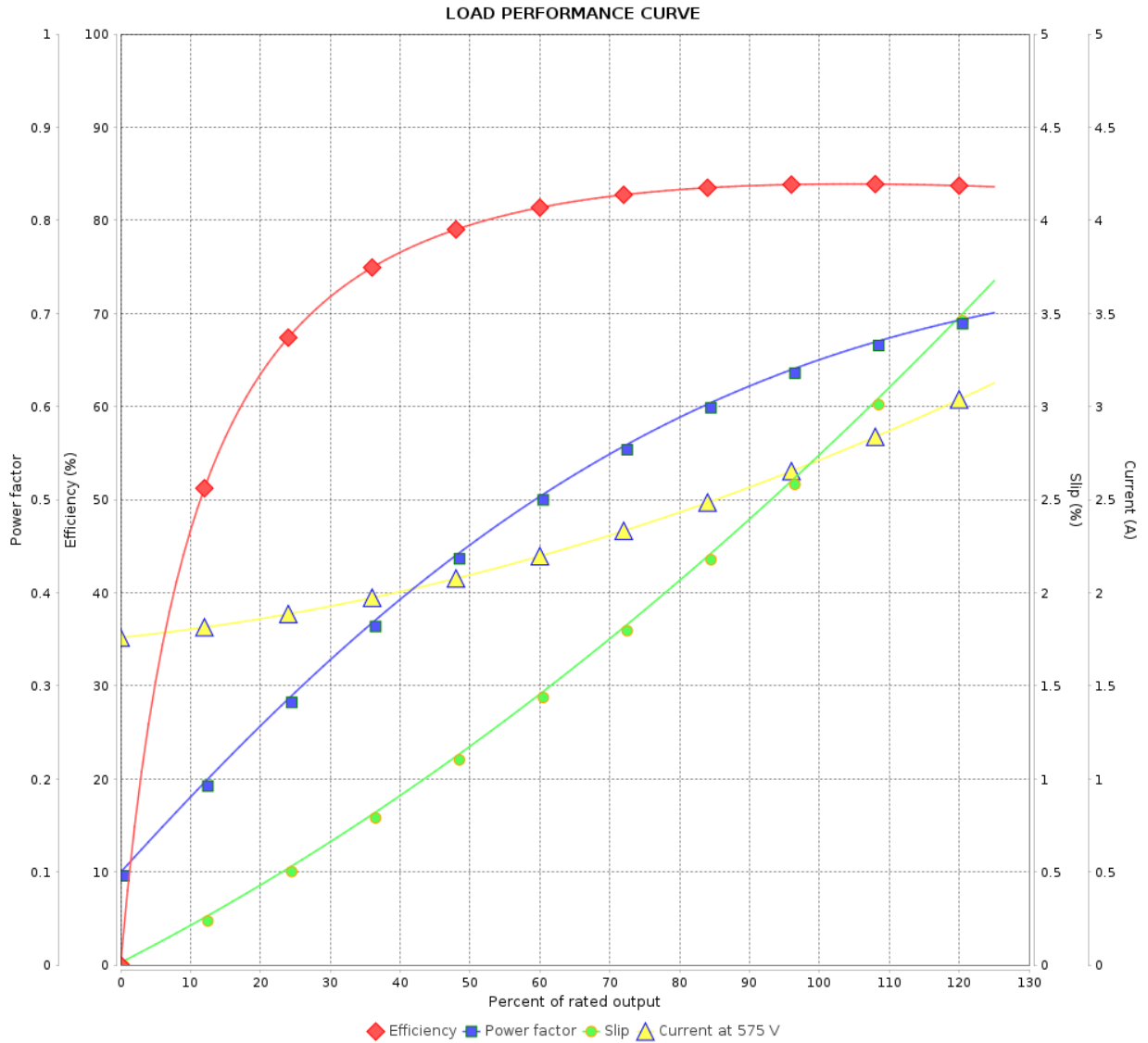
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W21 Explosion Proof NEMA Premium
Efficiency Three-Phase

Product code : 15831993



Performance : 575 V 60 Hz 8P

Rated current : 2.76 A
 LRC : 7.0
 Rated torque : 1.66 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 280 %
 Rated speed : 875 rpm

Moment of inertia (J) : 0.0552 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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