

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: W21 Explosion Proof NEMA Premium Efficiency Three-Phase																		
Product code :	14756753																		
Frame : 286T Output : 15 HP (11 kW) Poles : 8 Frequency : 60 Hz Rated voltage : 575 V Rated current : 15.2 A L. R. Amperes : 92.7 A LRC : 6.1x(Code G) No load current : 6.50 A Rated speed : 880 rpm Slip : 2.22 % Rated torque : 12.4 kgfm Locked rotor torque : 240 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.3448 kgm ² Design : B	Locked rotor time : 66s (cold) 37s (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 : 54.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 230 kg																		
Output	25% 50% 75% 100%																		
Efficiency (%)	0.000 91.0 91.7 91.0																		
Power Factor	0.00 0.66 0.76 0.80																		
Foundation loads																			
Max. traction : 292 kgf																			
Max. compression : 522 kgf																			
	<table border="0"> <tr> <td></td> <td style="text-align: center;"><u>Drive end</u></td> <td style="text-align: center;"><u>Non drive end</u></td> </tr> <tr> <td>Bearing type :</td> <td>6311 C3</td> <td>6211 C3</td> </tr> <tr> <td>Sealing :</td> <td>Oil Seal</td> <td>Lip Seal</td> </tr> <tr> <td>Lubrication interval :</td> <td>20000 h</td> <td>20000 h</td> </tr> <tr> <td>Lubricant amount :</td> <td>18 g</td> <td>11 g</td> </tr> <tr> <td>Lubricant type :</td> <td colspan="2" style="text-align: center;">Mobil Polyrex EM</td> </tr> </table>		<u>Drive end</u>	<u>Non drive end</u>	Bearing type :	6311 C3	6211 C3	Sealing :	Oil Seal	Lip Seal	Lubrication interval :	20000 h	20000 h	Lubricant amount :	18 g	11 g	Lubricant type :	Mobil Polyrex EM	
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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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Customer : _____

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

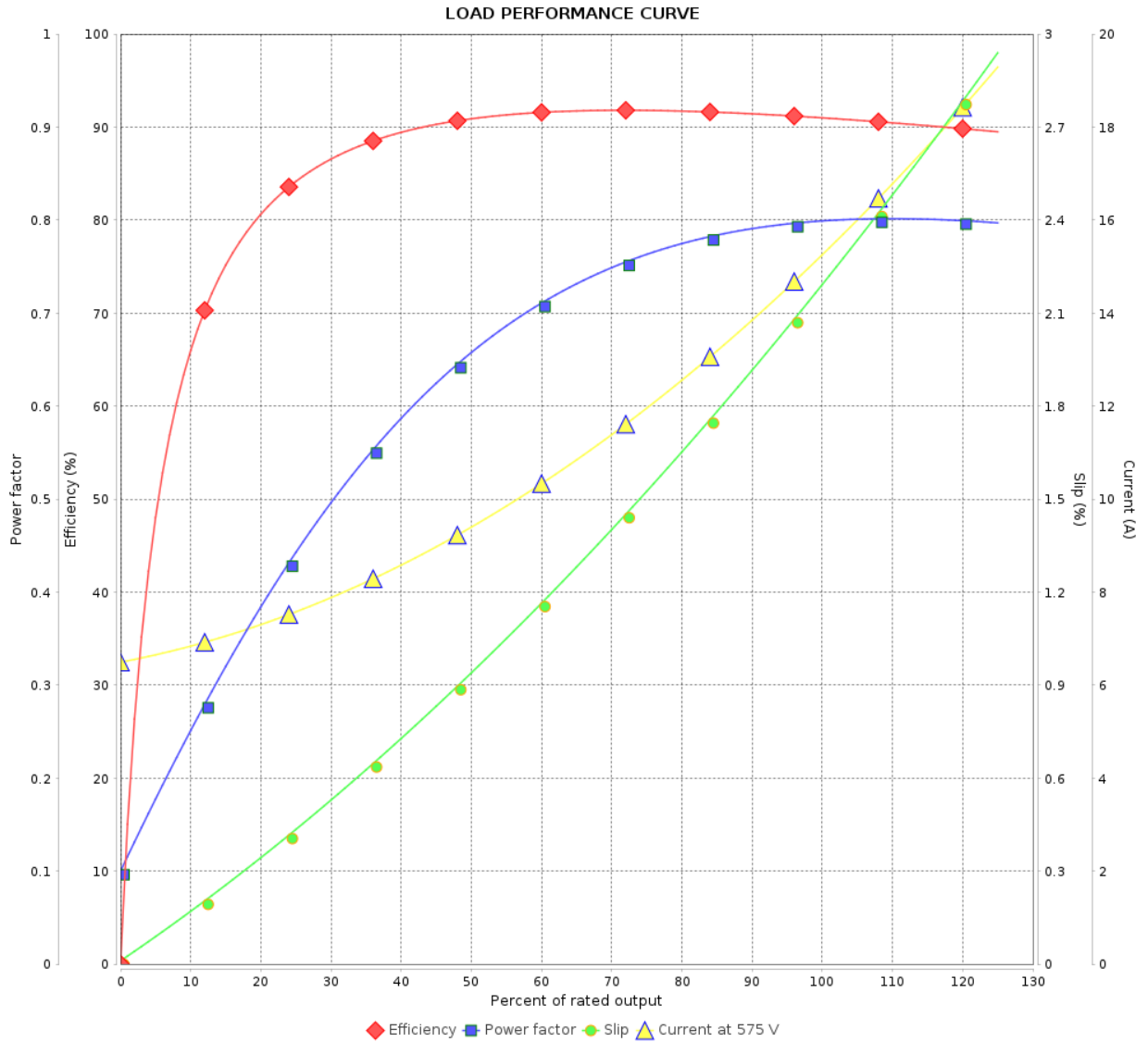
Three Phase Induction Motor - Squirrel Cage



Customer : _____

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

Product code : 14756753



Performance : 575 V 60 Hz 8P

Rated current : 15.2 A
 LRC : 6.1
 Rated torque : 12.4 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 229 %
 Rated speed : 880 rpm

Moment of inertia (J) : 0.3448 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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