

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :																				
Product line : Close Coupled Pump NEMA Premium Efficiency Three-Phase			Product code : 11088863																	
Frame : 284JP Output : 25 HP (18.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 23.9 A L. R. Amperes : 160 A LRC : 6.7x(Code H) No load current : 9.60 A Rated speed : 1770 rpm Slip : 1.67 % Rated torque : 10.3 kgfm Locked rotor torque : 250 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1435 kgm <sup>2</sup> Design : B			Locked rotor time : 27s (cold) 15s (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 <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 62.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 170 kg																	
<table border="1"> <tr> <td>Output</td> <td>25%</td> <td>50%</td> <td>75%</td> <td>100%</td> </tr> <tr> <td>Efficiency (%)</td> <td>91.7</td> <td>92.4</td> <td>93.0</td> <td>93.6</td> </tr> <tr> <td>Power Factor</td> <td>0.43</td> <td>0.67</td> <td>0.78</td> <td>0.83</td> </tr> </table>			Output	25%	50%	75%	100%	Efficiency (%)	91.7	92.4	93.0	93.6	Power Factor	0.43	0.67	0.78	0.83	Foundation loads Max. traction : 325 kgf Max. compression : 496 kgf		
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Power Factor	0.43	0.67	0.78	0.83																
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		<u>Drive end</u> 6311 Z C3 Without Bearing Seal 20000 h 18 g Mobil Polyrex EM		<u>Non drive end</u> 6211 Z C3 Without Bearing Seal 20000 h 11 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 NEMA MG-1.																	
Rev.	Changes Summary			Performed	Checked	Date														
Performed by																				
Checked by					Page	Revision														
Date	14/01/2024				1 / 2															

# LOAD PERFORMANCE CURVE

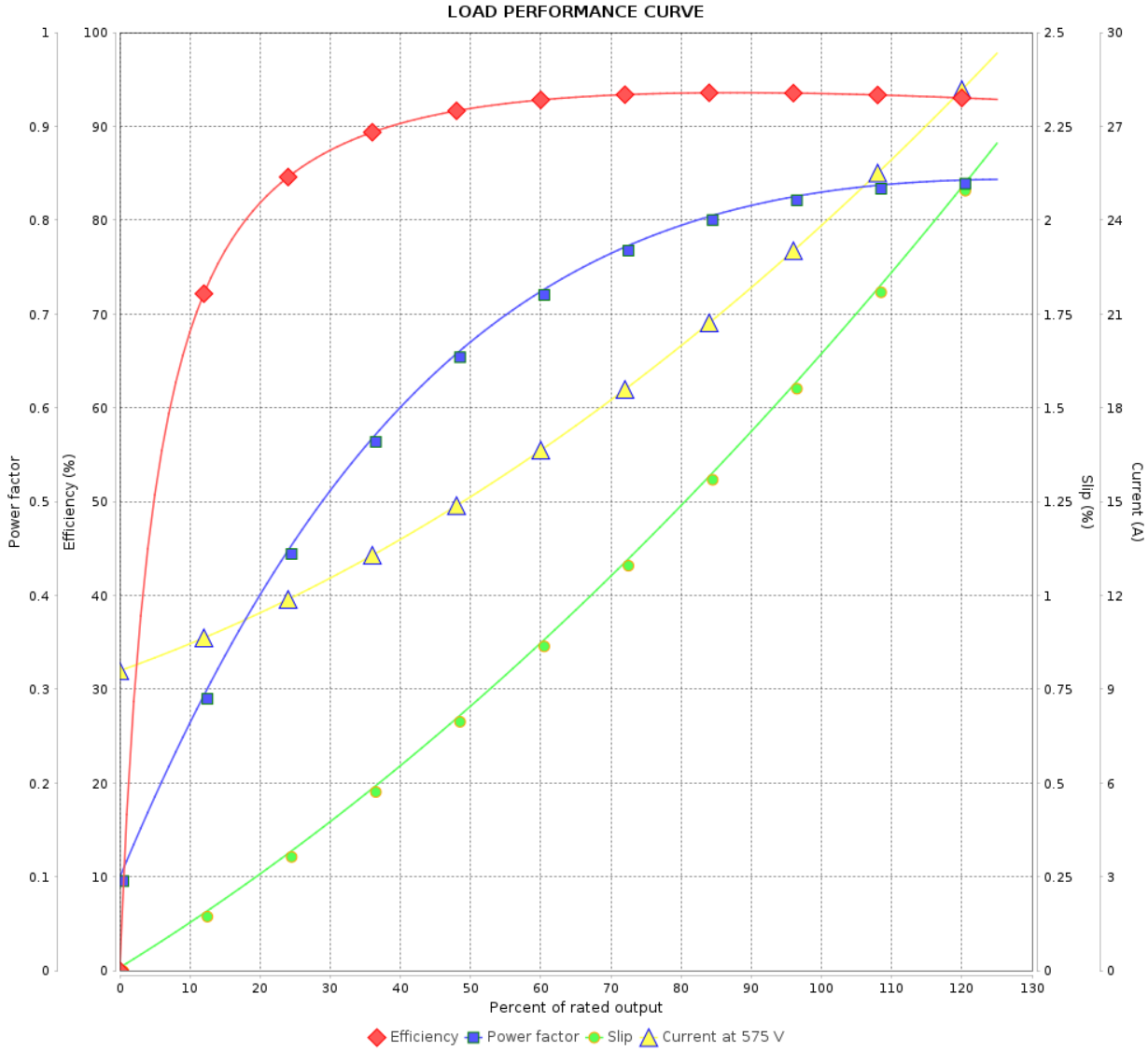
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump NEMA Premium  
Efficiency Three-Phase

Product code : 11088863



Performance : 575 V 60 Hz 4P

Rated current : 23.9 A  
 LRC : 6.7  
 Rated torque : 10.3 kgfm  
 Locked rotor torque : 250 %  
 Breakdown torque : 280 %  
 Rated speed : 1770 rpm

Moment of inertia (J) : 0.1435 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		2 / 2		
Date		14/01/2024		