

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																				
Product line : Close Coupled Pump NEMA Premium Efficiency Three-Phase			Product code : 11168083																	
Frame : 326JM Output : 50 HP (37 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 47.9 A L. R. Amperes : 302 A LRC : 6.3x(Code G) No load current : 19.2 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 20.4 kgfm Locked rotor torque : 240 % Breakdown torque : 250 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.2965 kgm ² Design : B			Locked rotor time : 21s (cold) 12s (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 ¹ : Both (CW and CCW) Noise level ² : 65.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 249 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>94.0</td> <td>94.1</td> <td>94.5</td> <td>94.5</td> </tr> <tr> <td>Power Factor</td> <td>0.44</td> <td>0.70</td> <td>0.79</td> <td>0.82</td> </tr> </table>			Output	25%	50%	75%	100%	Efficiency (%)	94.0	94.1	94.5	94.5	Power Factor	0.44	0.70	0.79	0.82	Foundation loads Max. traction : 519 kgf Max. compression : 768 kgf		
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Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		<u>Drive end</u> 6312 Z C3 Without Bearing Seal 20000 h 21 g Mobil Polyrex EM		<u>Non drive end</u> 6212 Z C3 Without Bearing Seal 20000 h 13 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

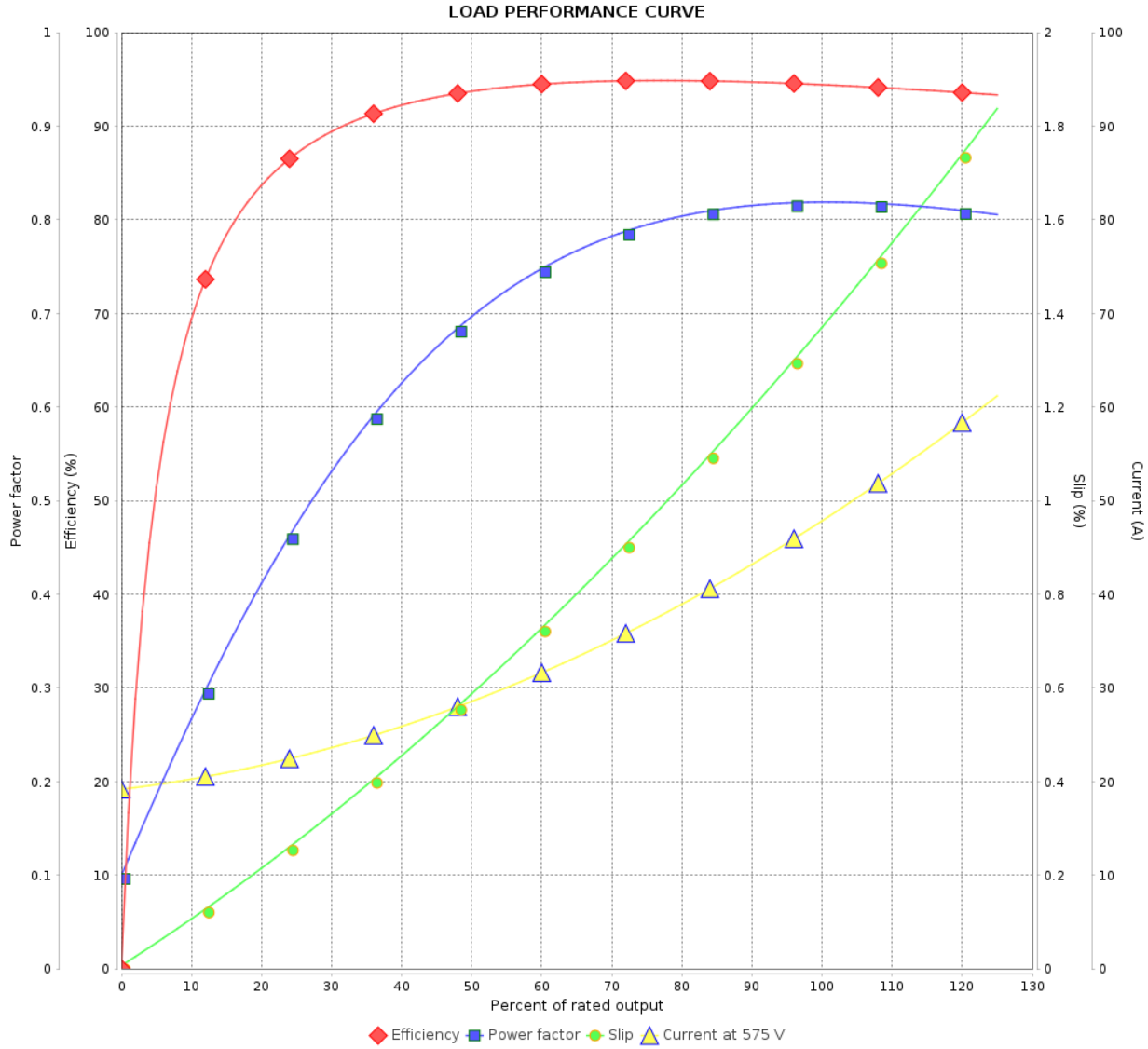
Three Phase Induction Motor - Squirrel Cage



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

Product code : 11168083



Performance : 575 V 60 Hz 4P

Rated current : 47.9 A
LRC : 6.3
Rated torque : 20.4 kgfm
Locked rotor torque : 240 %
Breakdown torque : 250 %
Rated speed : 1775 rpm

Moment of inertia (J) : 0.2965 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary	Performed	Checked	Date
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