

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																				
Product line : W22 P Base NEMA Premium Efficiency Three-Phase			Product code : 13822029																	
Frame : 143/5HP Output : 2 HP (1.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 2.20 A L. R. Amperes : 17.6 A LRC : 8.0x(Code K) No load current : 1.20 A Rated speed : 1750 rpm Slip : 2.78 % Rated torque : 0.829 kgfm Locked rotor torque : 270 % Breakdown torque : 320 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0066 kgm ² Design : B			Locked rotor time : 19s (cold) 11s (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 : W-6 Rotation ¹ : Both (CW and CCW) Noise level ² : 51.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 27.0 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>0.000</td> <td>85.5</td> <td>86.5</td> <td>86.5</td> </tr> <tr> <td>Power Factor</td> <td>0.00</td> <td>0.57</td> <td>0.70</td> <td>0.79</td> </tr> </table>					Output	25%	50%	75%	100%	Efficiency (%)	0.000	85.5	86.5	86.5	Power Factor	0.00	0.57	0.70	0.79	Foundation loads Max. traction Max. compression
Output	25%	50%	75%	100%																
Efficiency (%)	0.000	85.5	86.5	86.5																
Power Factor	0.00	0.57	0.70	0.79																
		<u>Drive end</u>		<u>Non drive end</u>																
Bearing type :		6307 ZZ		6204 ZZ																
Sealing :		V'Ring		V'Ring																
Lubrication interval :		0 h		0 h																
Lubricant amount :		0 g		0 g																
Lubricant type :		Mobil Polyrex EM																		
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

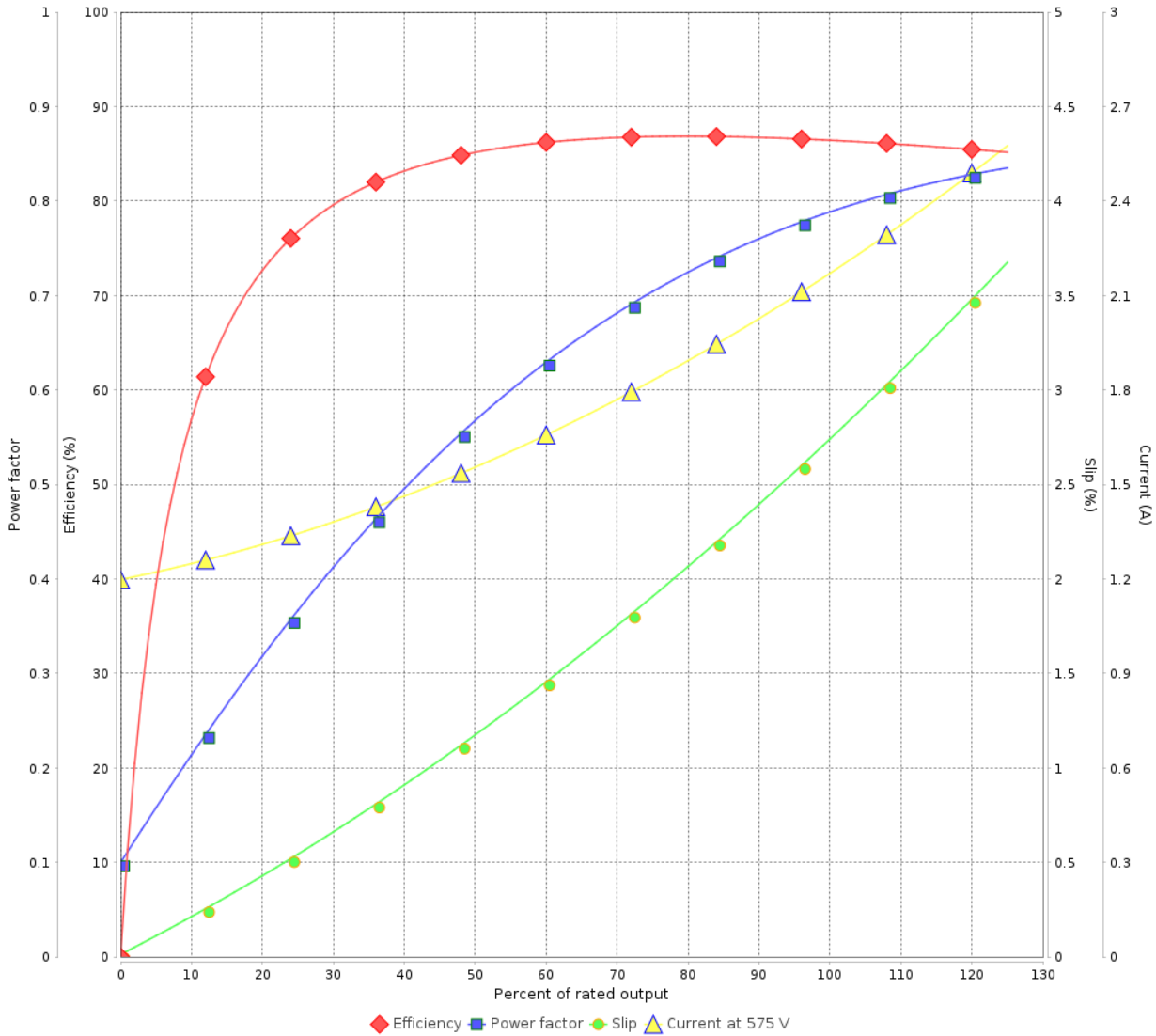


Customer :

Product line : W22 P Base NEMA Premium Efficiency
Three-Phase

Product code : 13822029

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current : 2.20 A
LRC : 8.0
Rated torque : 0.829 kgfm
Locked rotor torque : 270 %
Breakdown torque : 320 %
Rated speed : 1750 rpm

Moment of inertia (J) : 0.0066 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

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