

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																				
Product line : W22 Close Coupled Pump JP NEMA Premium Efficiency Three-Phase			Product code : 14142360																	
Frame : 324/6JP Output : 60 HP (45 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 139/69.4 A L. R. Amperes : 1001/500 A LRC : 7.2x(Code H) No load current : 41.1/20.5 A Rated speed : 3560 rpm Slip : 1.11 % Rated torque : 12.2 kgfm Locked rotor torque : 290 % Breakdown torque : 270 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.2199 kgm ² Design : A			Locked rotor time : 25s (cold) 14s (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 : 78.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 274 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>93.0</td> <td>93.6</td> <td>93.6</td> </tr> <tr> <td>Power Factor</td> <td>0.00</td> <td>0.77</td> <td>0.84</td> <td>0.87</td> </tr> </table>			Output	25%	50%	75%	100%	Efficiency (%)	0.000	93.0	93.6	93.6	Power Factor	0.00	0.77	0.84	0.87	Foundation loads Max. traction : 279 kgf Max. compression : 553 kgf		
Output	25%	50%	75%	100%																
Efficiency (%)	0.000	93.0	93.6	93.6																
Power Factor	0.00	0.77	0.84	0.87																
		<u>Drive end</u>		<u>Non drive end</u>																
Bearing type :		6312 C3		6212 C3																
Sealing :		V'Ring		V'Ring																
Lubrication interval :		12000 h		15000 h																
Lubricant amount :		21 g		13 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	15/01/2024				1 / 2															

LOAD PERFORMANCE CURVE

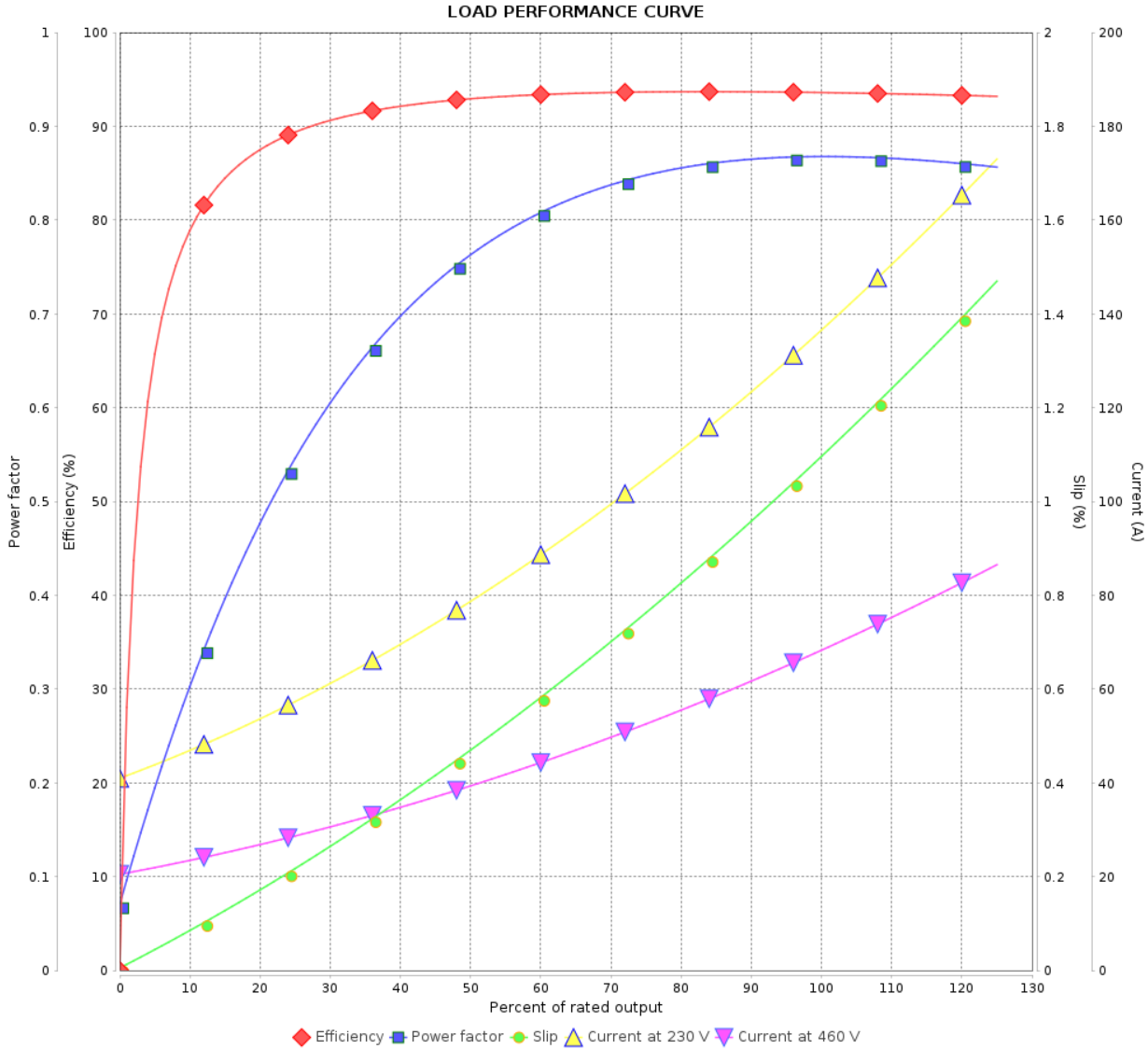
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JP NEMA
Premium Efficiency Three-Phase

Product code : 14142360



Performance : 230/460 V 60 Hz 2P

Rated current : 139/69.4 A
 LRC : 7.2
 Rated torque : 12.2 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 270 %
 Rated speed : 3560 rpm

Moment of inertia (J) : 0.2199 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : A

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	15/01/2024			