## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



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Customer	:				
Product line		: Close Coupled Pump Standard Product cod Efficiency Three-Phase			14966670
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 286JP : 30 HP (22 kW) : 4 : 60 Hz : 575 V : 29.2 A : 169 A : 5.8x(Code G) : 12.4 A : 1760 rpm : 2.22 % : 12.4 kgfm : 229 % : 240 % : F : 1.15 : 0.1121 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 23s (cold) 13s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : IC01 - ODP : F-1 : Both (CW and CCW) : 63.0 dB(A) : Direct On Line : 153 kg
Output Efficiency (%) Power Factor	50% 89.5 0.70	75% 90.0 0.79	100% 90.2 0.84	Foundation loads Max. traction Max. compression	: 348 kgf : 501 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : Wit :	Drive end 6311 Z C3 hout Bearing Seal 20000 h 18 g	Non drive end 6211 Z C3 Without Bearing 20000 h 11 g bil Polvrex EM	<u>d</u>

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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## LOAD PERFORMANCE CURVE

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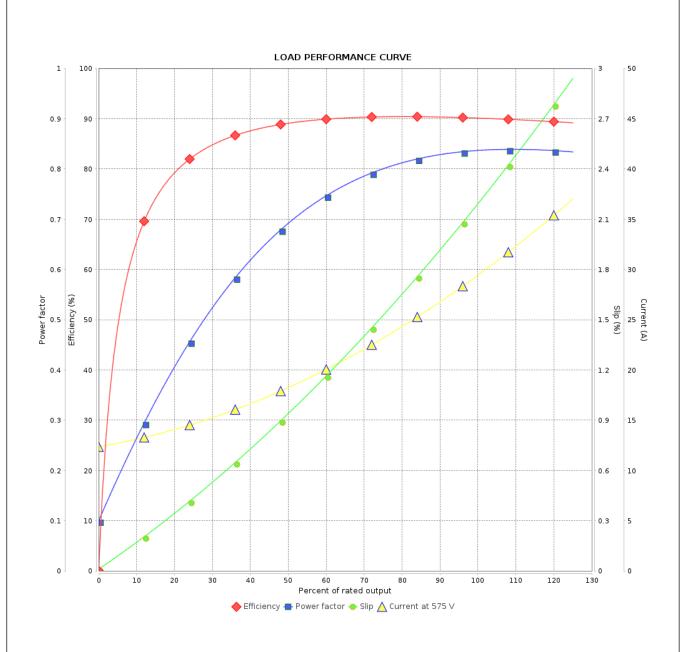


Customer :

Product line : Close Coupled Pump Standard

Efficiency Three-Phase

Product code: 14966670



Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 29.2 A : 5.8 : 12.4 kgfm : 229 % : 240 % : 1760 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1121 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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Date