DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:			
		Close Coupled Pu fficiency Three-Pl	ump NEMA Premiu hase	m Product code :	11146952
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		: E143/5JM : 1.5 HP (1.1 kW) : 4 : 60 Hz : 575 V : 1.76 A : 15.8 A : 9.0x(Code M) : 1.12 A : 1740 rpm : 3.33 % : 0.626 kgfm : 360 % : 340 % : F : 1.15 : 0.0067 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP21 : IC01 - ODP : F-1 : Both (CW and CCW) : 52.0 dB(A) : Direct On Line : 21.3 kg
Output	50%	75%	100%	Foundation loads	
Efficiency (%) Power Factor	82.5 0.52	85.5 0.66	86.5 0.75	Max. traction Max. compression	: 50 kgf : 71 kgf
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		: : Wit : :	Drive end 6206 ZZ hout Bearing Seal - - Mo	Non drive end 6204 ZZ Without Bearing - - - bil 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
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Date	13/01/2024			1/2	

LOAD PERFORMANCE CURVE

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Revision

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Customer :

Checked by

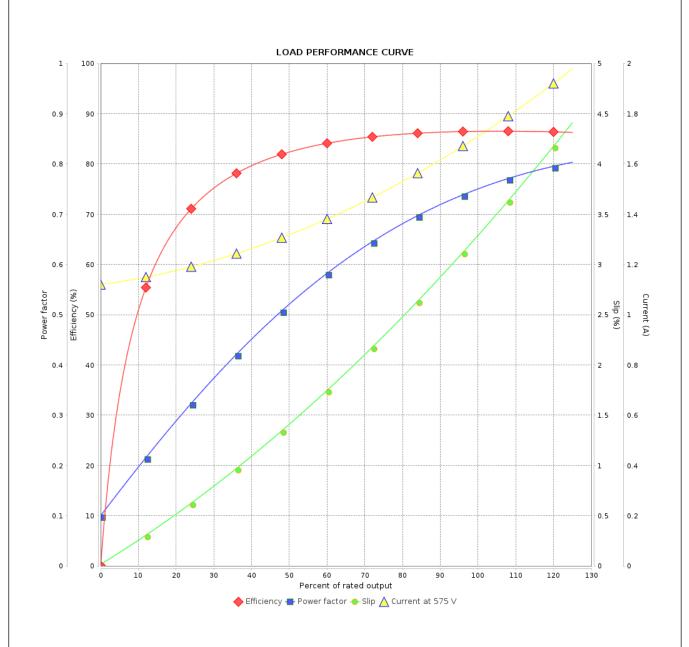
Date

13/01/2024

Product line : Close Coupled Pump NEMA Premium

Efficiency Three-Phase

Product code: 11146952



Performance : 575 V 60 Hz 4P : 1.76 A : 0.0067 kgm² Rated current Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 9.0 : 0.626 kgfm Insulation class Rated torque : F Locked rotor torque : 360 % Service factor : 1.15 Breakdown torque : 340 % Temperature rise : 80 K Rated speed : 1740 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by