DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Close Coupled Pump NEMA Premium Product code: 11084558 Efficiency Three-Phase : 184JM Locked rotor time Frame : 21s (cold) 12s (hot) Output : 7.5 HP (5.5 kW) Temperature rise : 105 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V Altitude : 1000 m.a.s.l. Protection degree Rated current : 7.18 A : IP21 Cooling method : IC01 - ODP L. R. Amperes : 50.2 A **LRC** : 7.0x(Code H) Mounting : F-1 Rotation¹ : Both (CW and CCW) No load current : 2.16 A Rated speed : 3480 rpm Noise level² : 65.0 dB(A) : Direct On Line Slip : 3.33 % Starting method Rated torque : 1.56 kgfm Approx. weight³ : 33.3 kg Locked rotor torque : 210 % Breakdown torque : 280 % : F Insulation class Service factor : 1.15 : 0.0069 kgm² Moment of inertia (J) Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 87.5 88.5 88.5 Max. traction : 75 kgf Power Factor : 108 kgf 0.73 0.83 0.87 Max. compression Drive end Non drive end Bearing type 6207 ZZ 6205 ZZ Without Bearing Seal Without Bearing Seal Sealing Lubrication interval Lubricant amount 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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/01/2024			1/2	

MG-1.

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Revision

Page

2/2

Customer :

Checked by

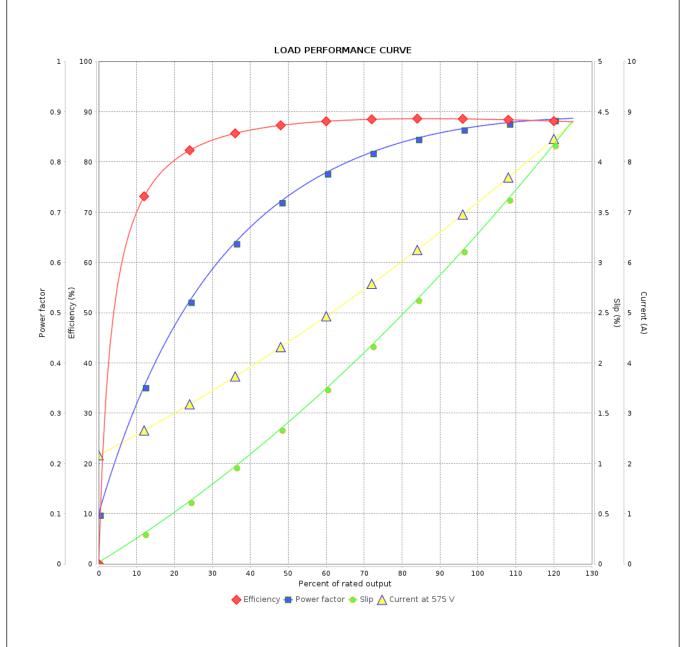
Date

14/01/2024

Product line : Close Coupled Pump NEMA Premium

Efficiency Three-Phase

Product code: 11084558



Performance : 575 V 60 Hz 2P : 7.18 A : 0.0069 kgm² Rated current Moment of inertia (J) **LRC** : 7.0 Duty cycle : Cont.(S1) Insulation class Rated torque : 1.56 kgfm : F Locked rotor torque : 210 % Service factor : 1.15 Breakdown torque : 280 % Temperature rise : 105 K Rated speed : 3480 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by