DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : ODP NEMA Premium Efficiency Three-Product code: 11830676 : 444/5T Locked rotor time Frame : 28s (cold) 16s (hot) Output : 200 HP (150 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 575 V Altitude Rated current : 183 A Protection degree : IP23 Cooling method : IC01 - ODP L. R. Amperes : 1118 A **LRC** : 6.1x(Code F) Mounting : F-1 : Both (CW and CCW) No load current : 60.0 A Rotation¹ Rated speed : 1780 rpm Noise level² : 78.0 dB(A) Slip : 1.11 % Starting method : Direct On Line Rated torque : 81.5 kgfm Approx. weight³ : 656 kg Locked rotor torque : 200 % Breakdown torque : 229 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 2.09 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 95.4 95.8 95.8 Max. traction : 1312 kgf Power Factor 0.76 0.83 0.86 Max. compression : 1969 kgf Non drive end Drive end Bearing type 6319 C3 6316 C3 Without Bearing Seal Without Bearing Seal Sealing Lubrication interval 20000 h 20000 h Lubricant amount 45 g 34 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	06/02/2024			1/2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

Checked by

Date

06/02/2024

Product line : ODP NEMA Premium Efficiency Three-

Product code:

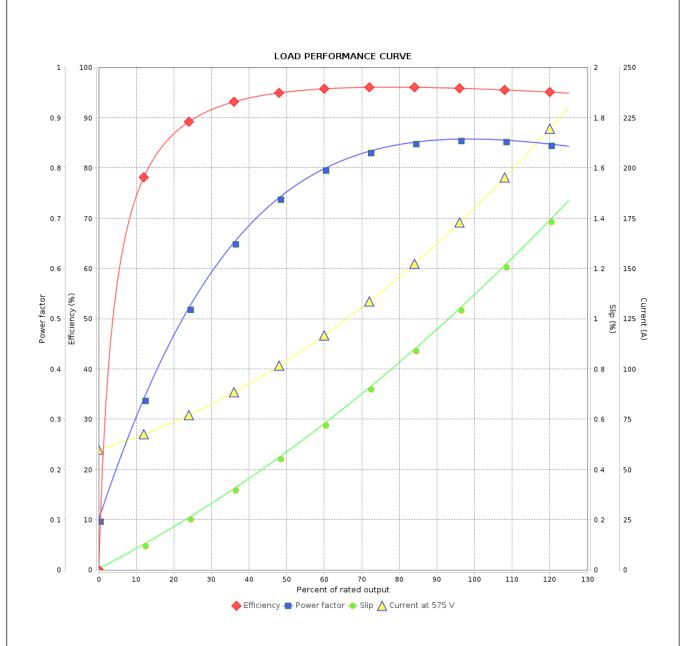
11830676

Page

2/2

Revision





Performance	: 575 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 183 A : 6.1 : 81.5 kgfm : 200 % : 229 % : 1780 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 2.09 kgm² : Cont.(S1) : F : 1.15 : 80 K : B			
Rev.	Changes Summary		Performed	Checked	Date		
Performed by							