DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : ODP NEMA Premium Efficiency Three-Product code: 12323619 : 404/5T Locked rotor time Frame : 28s (cold) 16s (hot) Output : 60 HP (45 kW) Temperature rise : 105 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. Rated current : 56.2 A Protection degree : IP23 : IC01 - ODP L. R. Amperes : 366 A Cooling method : 6.5x(Code G) **LRC** Mounting : F-1 : Both (CW and CCW) No load current : 20.0 A Rotation¹ Rated speed : 1185 rpm Noise level² : 69.0 dB(A) : Direct On Line Slip : 1.25 % Starting method Rated torque : 36.7 kgfm Approx. weight³ : 441 kg Locked rotor torque : 210 % Breakdown torque : 250 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 1.27 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 94.1 94.5 94.5 Max. traction : 683 kgf Power Factor : 1124 kgf 0.73 0.82 0.85 Max. compression Drive end Non drive end Bearing type 6316 C3 6314 C3 Without Bearing Seal Without Bearing Seal Sealing 20000 h Lubrication interval 20000 h Lubricant amount 34 g 27 g

Mobil Polyrex EM

Notes:

Lubricant type

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	05/02/2024			1/2	

MG-1.

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



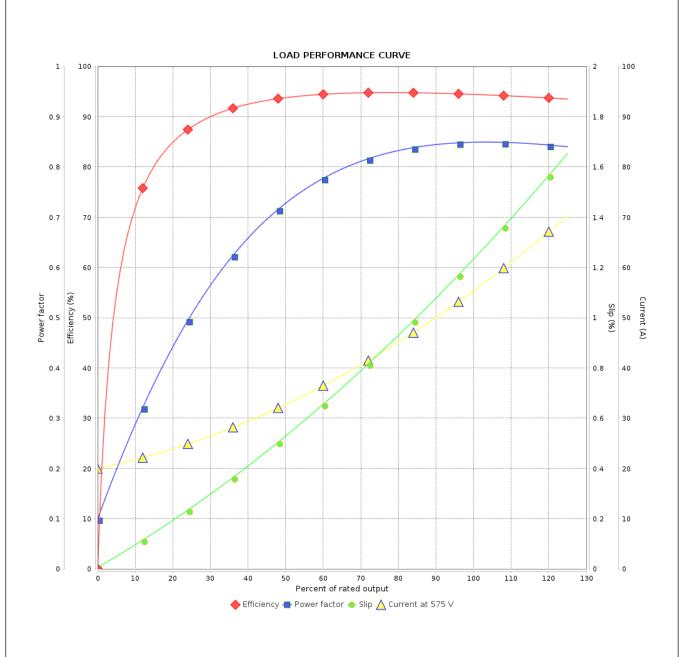
Customer

Product line : ODP NEMA Premium Efficiency Three-

Product code:

12323619

2/2



Performance	: 575 V 60 Hz 6P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 56.2 A : 6.5 : 36.7 kgfm : 210 % : 250 % : 1185 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 1.27 kgm² : Cont.(S1) : F : 1.15 : 105 K : B	
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision

05/02/2024

Date