DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : General NEMA Premium Efficiency Three-Product code: 12156433 : 184TC Locked rotor time Frame : 21s (cold) 12s (hot) Output : 5 HP (3.7 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 Protection degree : IP21 : 5.19 A : IC01 - ODP L. R. Amperes : 37.9 A Cooling method **LRC** : 7.3x(Code J) Mounting : F-1 : Both (CW and CCW) No load current : 2.72 A Rotation¹ Rated speed : 1755 rpm Noise level² : 55.0 dB(A) Slip : 2.50 % Starting method : Direct On Line Rated torque : 2.07 kgfm Approx. weight³ : 33.3 kg Locked rotor torque : 210 % Breakdown torque : 290 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0147 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 88.5 89.5 89.5 Max. traction : 109 kgf Power Factor : 142 kgf 0.59 0.72 0.80 Max. compression Drive end Non drive end Bearing type 6206 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 MG-1.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/05/2024			1/2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



2/2

Customer

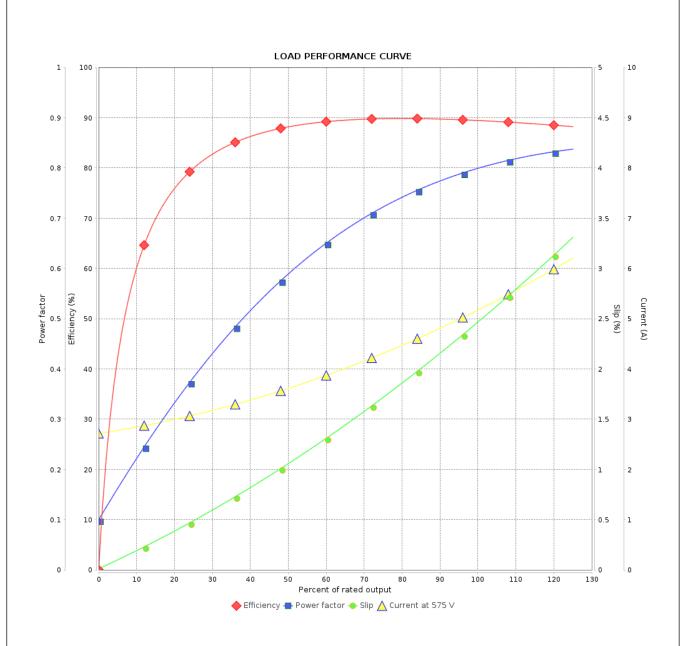
Date

05/05/2024

Product line : General NEMA Premium Efficiency ThreeProduct code:

12156433





Performance	: 575 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.19 A : 7.3 : 2.07 kgfm : 210 % : 290 % : 1755 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0147 kgm² : Cont.(S1) : F : 1.15 : 105 K : B				
Rev.	Changes Summary		Performed	Checked	Date			
Performed by Checked by				Page	Revision			