## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer Product line : ODP NEMA Premium Efficiency Three-Product code: 10792860 Locked rotor time Frame : 286TS : 41s (cold) 23s (hot) Output : 40 HP (30 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. Rated current : 37.7 A Protection degree : IP23 : IC01 - ODP L. R. Amperes : 241 A Cooling method **LRC** : 6.4x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 12.8 A Rotation<sup>1</sup> Rated speed : 3550 rpm Noise level<sup>2</sup> : 73.0 dB(A) Slip : 1.39 % Starting method : Direct On Line Rated torque : 8.18 kgfm Approx. weight<sup>3</sup> : 160 kg Locked rotor torque : 250 % Breakdown torque : 260 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0993 kgm<sup>2</sup> Design 25% 100% Output 50% 75% Foundation loads Efficiency (%) 91.5 91.7 93.0 93.0 Max. traction : 224 kgf Power Factor : 384 kgf 0.49 0.74 0.83 0.86 Max. compression Non drive end Drive end Bearing type 6311 Z C3 6211 Z C3 Without Bearing Seal Without Bearing Seal Sealing 20000 h Lubrication interval 20000 h Lubricant amount 18 g 11 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 MG-1.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	21/12/2023			1/2	

## LOAD PERFORMANCE CURVE

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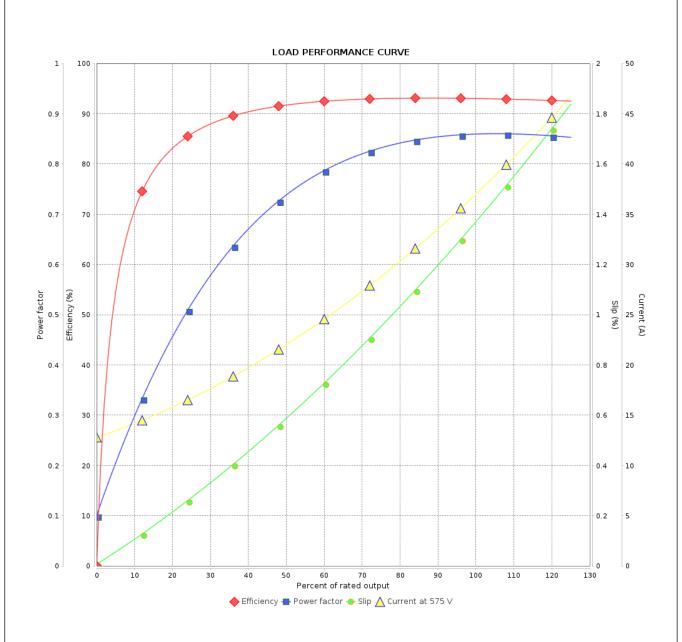
Customer :

Product line : ODP NEMA Premium Efficiency Three-

Product code:

10792860





Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 37.7 A : 6.4 : 8.18 kgfm : 250 % : 260 % : 3550 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0993 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary	F	Performed	Checked	Date
Performed by					
Checked by				Page	Revision

2/2

21/12/2023

Date