DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 JP Pump NEMA Premium Efficiency Product code: 15860068 Three-Phase : 284/6JP Locked rotor time Frame : 28s (cold) 16s (hot) Output : 15 HP (11 kW) Temperature rise : 80 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 : 14.7 A Protection degree : IP23 : IC01 - ODP L. R. Amperes : 92.7 A Cooling method **LRC** : 6.3x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 6.24 A Rotation¹ Rated speed : 1180 rpm Noise level² : 59.0 dB(A) Slip : 1.67 % Starting method : Direct On Line Rated torque : 9.23 kgfm Approx. weight³ : 156 kg Locked rotor torque : 260 % Breakdown torque : 260 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.2025 kgm² Design : B 75% Output 50% 100% Foundation loads Efficiency (%) 91.0 91.7 91.7 Max. traction Power Factor 0.67 0.77 0.82 Max. compression Drive end Non drive end 6311 Z C3 Bearing type 6211 Z C3 Without Bearing Seal Without Bearing Seal Sealing 20000 h Lubrication interval 20000 h

Mobil Polyrex EM

18 g

Notes

Lubricant amount

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

11 g

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	22/10/2023			1/2	

MG-1.

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

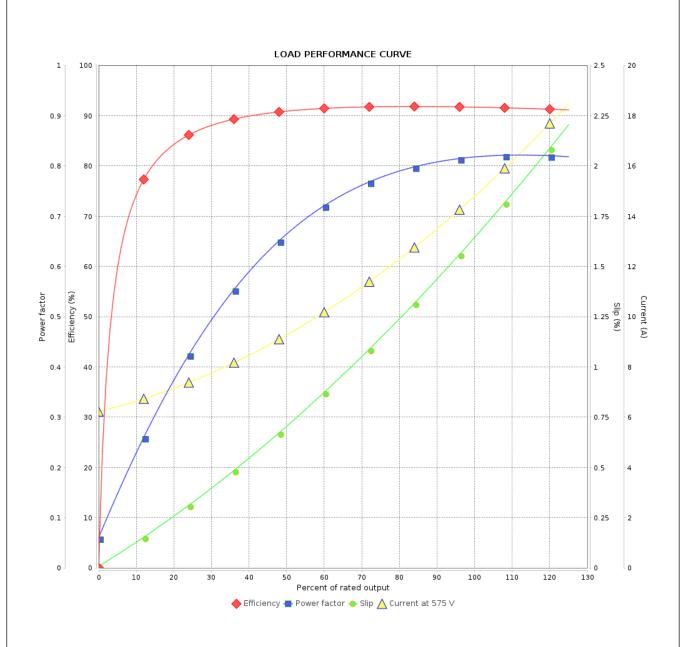


Customer :

Product line : W40 JP Pump NEMA Premium Efficiency

Three-Phase

Product code: 15860068



Performance		: 575 V 60 Hz 6P							
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 9. que : 26	4.7 A 3 23 kgfm 60 % 60 % 80 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.2025 kgm² : Cont.(S1) : F : 1.25 : 80 K : B				
Rev.	Changes Summary			Performed	Checked	Date			
Performed by									
Checked by					Page	Revision			

2/2

22/10/2023

Date