## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 NEMA Premium Efficiency Three-Product code: 13632640 : 447/9TS Locked rotor time Frame : 18s (cold) 10s (hot) Output : 300 HP (220 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 Protection degree Rated current : 268 A : IP23 Cooling method : IC01 - ODP L. R. Amperes : 1742 A **LRC** : 6.5x(Code G) Mounting : F-1 Rotation<sup>1</sup> : Both (CW and CCW) No load current : 69.4 A Rated speed : 1778 rpm Noise level<sup>2</sup> : 77.0 dB(A) : Direct On Line Slip : 1.22 % Starting method Rated torque : 122 kgfm Approx. weight<sup>3</sup> : 940 kg Locked rotor torque : 180 % Breakdown torque : 190 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 3.08 kgm<sup>2</sup> Design : B 25% 50% 100% Output 75% Foundation loads Efficiency (%) 0.000 95.0 95.4 95.8 Max. traction : 1565 kgf Power Factor : 2505 kgf 0.00 0.78 0.84 0.86 Max. compression Non drive end Drive end Bearing type 6319 C3 6314 C3 Without Bearing Seal Without Bearing Seal Sealing Lubrication interval 20000 h 20000 h Lubricant amount 45 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 MG-1.

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# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	
Customer	

#### Thermal protection

ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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# LOAD PERFORMANCE CURVE

#### Three Phase Induction Motor - Squirrel Cage



13632640

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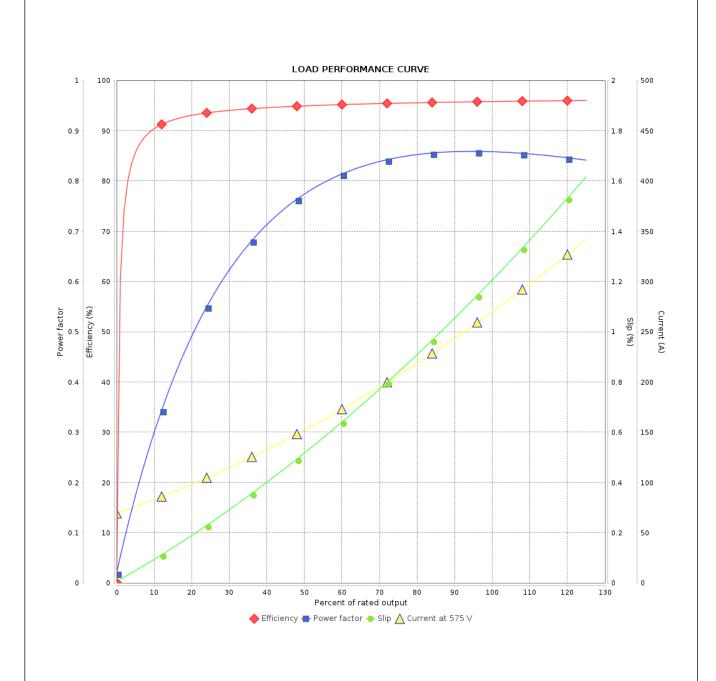
Customer :

Product line : W40 NEMA Premium Efficiency Three- Product code :

Phase

06/02/2024

Date



Performance	: 575 V 60 Hz 4P				
Rated current	: 268 A	Moment of inertia (J)		: 3.08 kgm²	
LRC Rated torque	: 6.5 : 122 kgfm	Duty cycle Insulation class		: Cont.(S1) : F	
Locked rotor torque	: 180 %	Service factor		: 1.15	
Breakdown torque	: 190 %	Temperature rise	Temperature rise	: 80 K	
Rated speed	: 1778 rpm	Design		: B	
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