## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 NEMA Premium Efficiency Three-Product code: 15793751 Locked rotor time Frame : 284/6TC : 59s (cold) 33s (hot) Output : 25 HP (18.5 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. Protection degree Rated current : 23.6 A : IP23 : IC01 - ODP L. R. Amperes : 149 A Cooling method : 6.3x(Code G) **LRC** Mounting : F-1 : Both (CW and CCW) No load current : 8.32 A Rotation<sup>1</sup> Rated speed : 1770 rpm Noise level<sup>2</sup> : 64.0 dB(A) : Direct On Line Slip : 1.67 % Starting method Rated torque : 10.3 kgfm Approx. weight<sup>3</sup> : 166 kg Locked rotor torque : 229 % Breakdown torque : 270 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.1563 kgm<sup>2</sup> Design : B 75% Output 50% 100% Foundation loads

Efficiency (%) 93.0 93.6 93.6 Max. traction
Power Factor 0.69 0.80 0.84 Max. compression

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
 Page
 Revision

 Date
 22/10/2023
 1 / 2

## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-

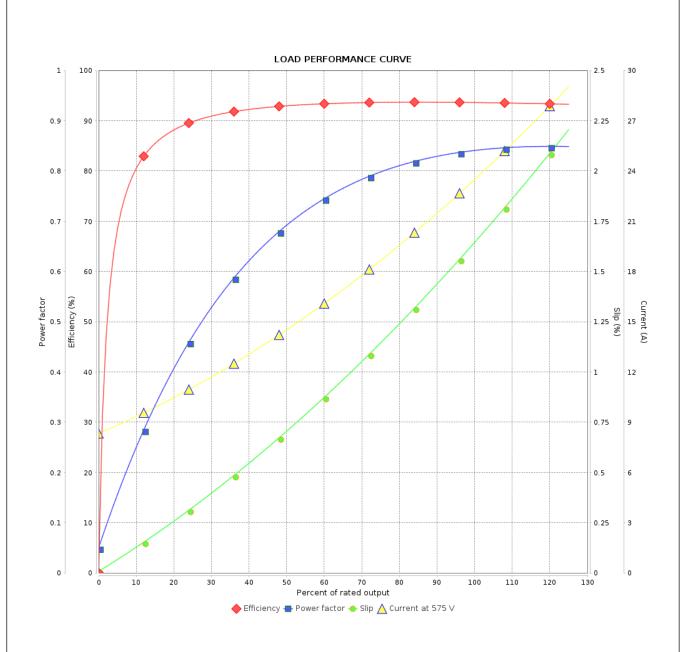
Product code:

15793751

Phase

22/10/2023

Date



Performance		: 575 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque		: 23.6 A : 6.3 : 10.3 kgfm : 229 % : 270 %	Duty cycle Insulation Service fa Temperati	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 0.1563 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
Rated speed Rev.		: 1770 rpm  Changes Summa	Design	Performed	: B Checked	Date	
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2/2