DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IE3 Three-Phase Product code: 12976955 Frame : 225S/M Locked rotor time : 25s (cold) 14s (hot) Output : 45 kW Temperature rise : 80 K Poles : 4 Duty cycle : S1 Frequency : 50 Hz Ambient temperature : -20°C to +40°C Rated voltage : 400/690 V Altitude : 1000 m.a.s.l. Protection degree Rated current : 80.9/46.9 A : IP55 : 607/352 A Cooling method : IC411 - TEFC L. R. Amperes **LRC** : 7.5 Mounting : B35T No load current : 31.7/18.4 A Rotation¹ : Both (CW and CCW) Rated speed : 1480 rpm Noise level² : 63.0 dB(A) Slip : 1.33 % Starting method : Direct On Line Rated torque : 29.6 kgfm Approx. weight3 : 414 kg Locked rotor torque : 280 % Breakdown torque : 310 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.6733 kgm² Design : N 100% Output 50% 75% Foundation loads Efficiency (%) 93.7 94.1 94.4 Max. traction : 759 kgf : 1173 kgf Power Factor 0.71 0.81 0.85 Max. compression Non drive end Drive end 6314 C3 6314 C3 Bearing type Oil Seal Oil Seal Sealing Lubrication interval 14000 h 14000 h Lubricant amount 27 g 27 g 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 IEC 60034-1.

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Customer	: IDS

Thermal	protection

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

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VFD OPERATION CURVE

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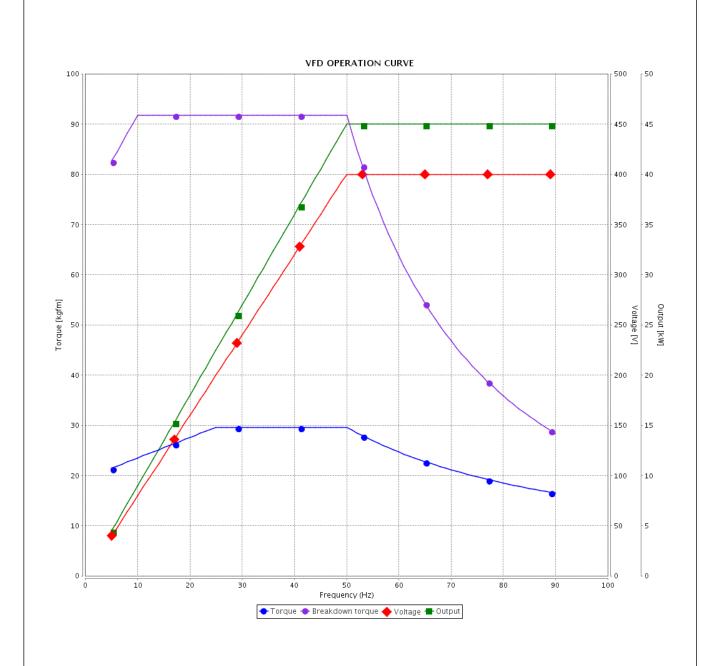
Customer : IDS

Checked by

Date

10/07/2019

Product line : W22 IE3 Three-Phase Product code : 12976955



Performance	: 400/690 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 80.9/46.9 A : 7.5 : 29.6 kgfm : 280 % : 310 % : 1480 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.6733 kgm² : S1 : F : 1.00 : 80 K : N	
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Revision