DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IE3 Three-Phase Product code: 12862500 Frame Locked rotor time : 19s (cold) 11s (hot) : 180L Output : 22 kW Temperature rise : 80 K Poles Duty cycle : S1 : 4 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 : 41.0/23.8 A : IP55 : 299/174 A Cooling method : IC411 - TEFC L. R. Amperes LRC : 7.3 Mounting : B3T No load current : 19.0/11.0 A Rotation¹ : Both (CW and CCW) Rated speed : 1470 rpm Noise level² : 61.0 dB(A) Slip : 2.00 % Starting method : Direct On Line Rated torque : 14.6 kgfm Approx. weight3 : 196 kg Locked rotor torque : 340 % Breakdown torque : 340 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.2097 kgm² Design : N 100% Output 50% 75% Foundation loads Efficiency (%) 92.3 93.0 93.2 Max. traction : 559 kgf Power Factor 0.66 0.77 0.83 Max. compression : 755 kgf Drive end Non drive end 6211 Z C3 6311 C3 Bearing type V'Ring V'Ring Sealing Lubrication interval 20000 h 20000 h Lubricant amount 18 g 11 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

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

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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



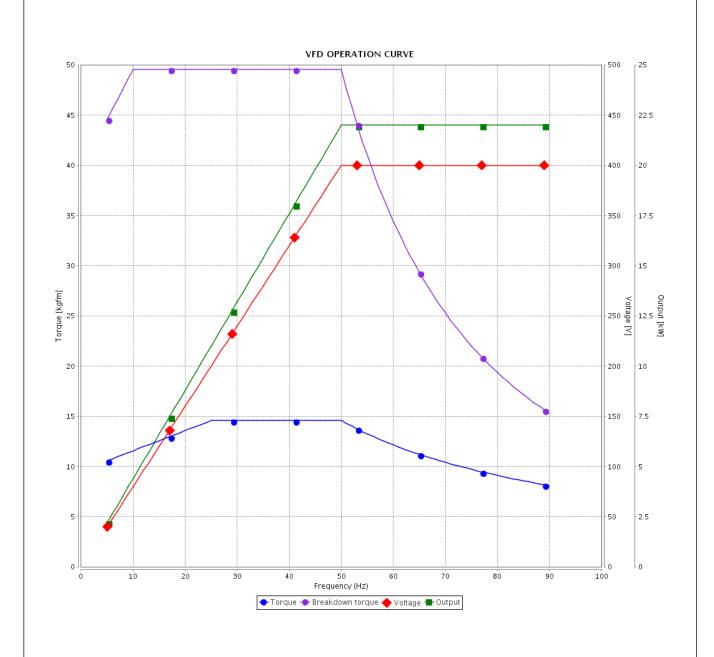
Customer : IDS

Checked by

Date

27/06/2019

Product line : W22 IE3 Three-Phase Product code : 12862500



Performance	: 400/690 V 50 Hz 4P			<u>, </u>	
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 41.0/23.8 A : 7.3 : 14.6 kgfm : 340 %	Moment of iner Duty cycle Insulation class Service factor Temperature ris Design	3	: 0.2097 kgm² : S1 : F : 1.00 : 80 K : N	
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