DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IE3 Three-Phase Product code: 12862535 Frame : 180M Locked rotor time : 23s (cold) 13s (hot) Output : 18.5 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 : 35.1/20.3 A : IP55 : 260/151 A Cooling method : IC411 - TEFC L. R. Amperes LRC : 7.4 Mounting : B5T No load current : 17.0/9.86 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 : 12.3 kgfm Approx. weight3 : 175 kg Locked rotor torque : 300 % Breakdown torque : 320 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.1740 kgm² Design : N 100% Output 50% 75% Foundation loads Efficiency (%) 92.2 92.8 92.8 Max. traction : 436 kgf Power Factor 0.64 0.76 0.82 Max. compression : 611 kgf Drive end Non drive end 6311 C3 Bearing type 6211 Z C3 Oil Seal Oil Seal 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

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	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



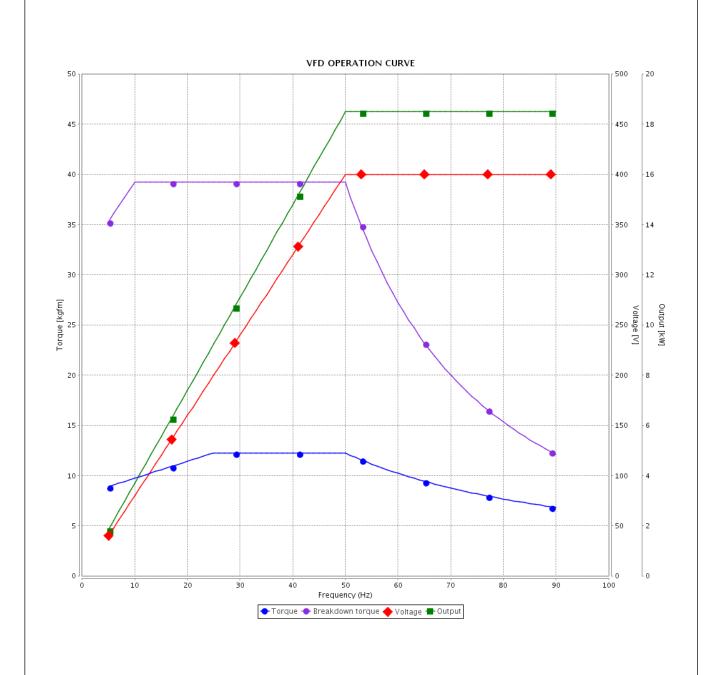
Customer : IDS

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Date

27/06/2019

Product line : W22 IE3 Three-Phase Product code : 12862535



Performance	· 400/690 \	V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torque Rated speed	: 35.1/20.3 : 7.4 : 12.3 kgfn : 300 %	Moment of Duty cycles Insulation Service for Temperate	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 0.1740 kgm² : S1 : F : 1.00 : 80 K : N	
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