DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IE3 Three-Phase Product code: 13052244 Frame Locked rotor time : 50s (cold) 28s (hot) : 315S/M Output : 160 kW Temperature rise : 80 K Poles Duty cycle : S1 : 2 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 : 271/157 A : IP55 : 2005/1163 A Cooling method : IC411 - TEFC L. R. Amperes LRC : 7.4 Mounting : B35T No load current : 82.5/47.8 A Rotation¹ : Both (CW and CCW) Rated speed : 2980 rpm Noise level² : 77.0 dB(A) Slip : 0.67 % Starting method : Direct On Line Rated torque : 52.3 kgfm Approx. weight3 : 1108 kg Locked rotor torque : 200 % Breakdown torque : 290 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 2.24 kgm² Design : N Output 50% 75% 100% Foundation loads Efficiency (%) 95.1 95.8 95.8 Max. traction : 542 kgf Power Factor 0.79 0.86 0.89 Max. compression : 1650 kgf Drive end Non drive end 6314 C3 Bearing type 6314 C3 WSeal WSeal Sealing Lubrication interval 5000 h 5000 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

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

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Checked by				Page	Revision
Date	10/07/2019			2/3	

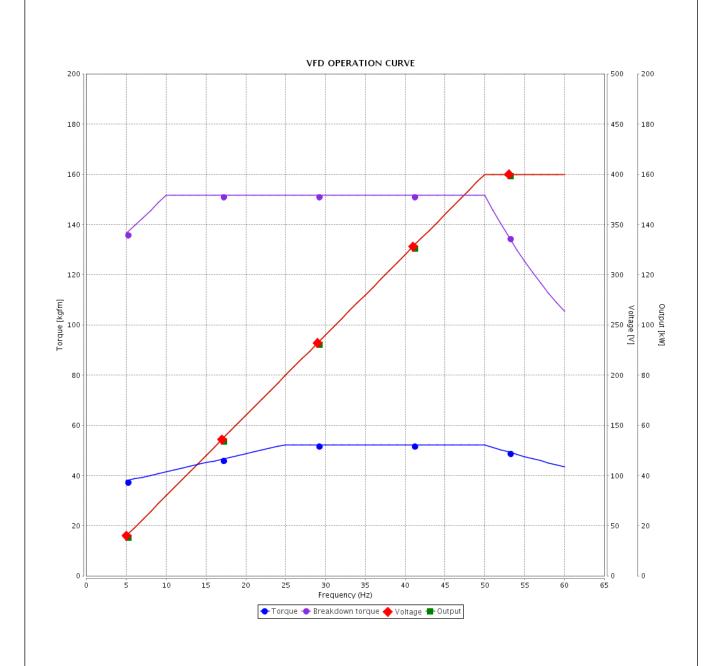
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase Product code : 13052244



Performance	: 400/690 V 50 Hz 2P				
Rated current	: 271/157 A	Moment o	of inertia (J)	: 2.24 kgm²	
LRC	: 7.4	Duty cycle	•	: S1	
Rated torque	: 52.3 kgfm	Insulation	class	: F	
Locked rotor torque	: 200 %	Service fa	ictor	: 1.00	
Breakdown torque	: 290 %	Temperati	ure rise	: 80 K	
Rated speed	: 2980 rpm	Design		: N	
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Rev.		Changes Summary		Performed	Checked	Date
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