DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IE3 Three-Phase Product code: 12862439 Frame Locked rotor time : 10s (cold) 6s (hot) : 180M Output : 22 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 : 39.7/23.0 A : IP55 : 330/191 A Cooling method : IC411 - TEFC L. R. Amperes LRC : 8.3 Mounting : B5T No load current : 16.9/9.81 A Rotation¹ : Both (CW and CCW) Rated speed : 2950 rpm Noise level² : 67.0 dB(A) Slip : 1.67 % Starting method : Direct On Line Rated torque : 7.26 kgfm Approx. weight3 : 169 kg Locked rotor torque : 270 % Breakdown torque : 360 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0968 kgm² Design : N 100% Output 50% 75% Foundation loads Efficiency (%) 92.3 93.0 92.9 Max. traction : 269 kgf Power Factor 0.69 0.80 0.86 Max. compression : 439 kgf Drive end Non drive end 6211 Z C3 6311 C3 Bearing type Oil Seal Oil Seal Sealing Lubrication interval 17000 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

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

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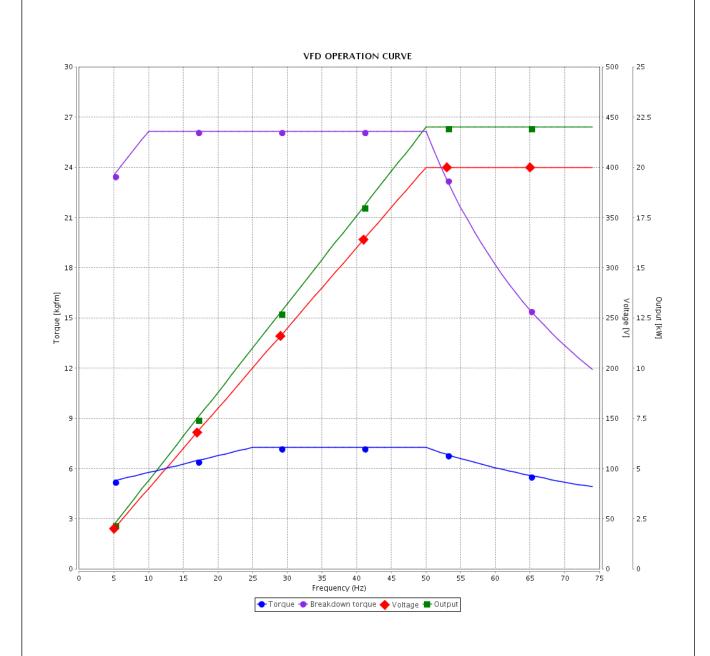
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

: W22 IE3 Three-Phase Product line Product code: 12862439



Performance	: 40	00/690 V 50 Hz 2P					
Rated current	: 3	9.7/23.0 A	Moment o	of inertia (J)	: 0.0968 kgm²	2	
LRC :8		.3	Duty cycle	Duty cycle		: S1	
Rated torque :		.26 kgfm	Insulation	Insulation class		: F	
Locked rotor torque		70 %	Service fa	Service factor			
Breakdown torqu	e : 30	60 %	Temperati	Temperature rise			
Rated speed	: 29	950 rpm	Design		: N		
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