DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IE3 Three-Phase Product code: 12885654 Frame Locked rotor time : 21s (cold) 12s (hot) : 200L Output : 30 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 : 57.1/33.1 A : IP55 : 428/248 A Cooling method : IC411 - TEFC L. R. Amperes LRC : 7.5 Mounting : B35T No load current : 27.0/15.7 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 : 19.7 kgfm Approx. weight3 : 256 kg Locked rotor torque : 280 % Breakdown torque : 310 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.3202 kgm² Design : N 100% Output 50% 75% Foundation loads Efficiency (%) 92.9 93.6 93.7 Max. traction : 594 kgf Power Factor 0.63 0.75 0.81 Max. compression : 850 kgf Drive end Non drive end 6312 C3 Bearing type 6212 Z C3 Oil Seal Oil Seal Sealing Lubrication interval 20000 h 20000 h Lubricant amount 21 g 13 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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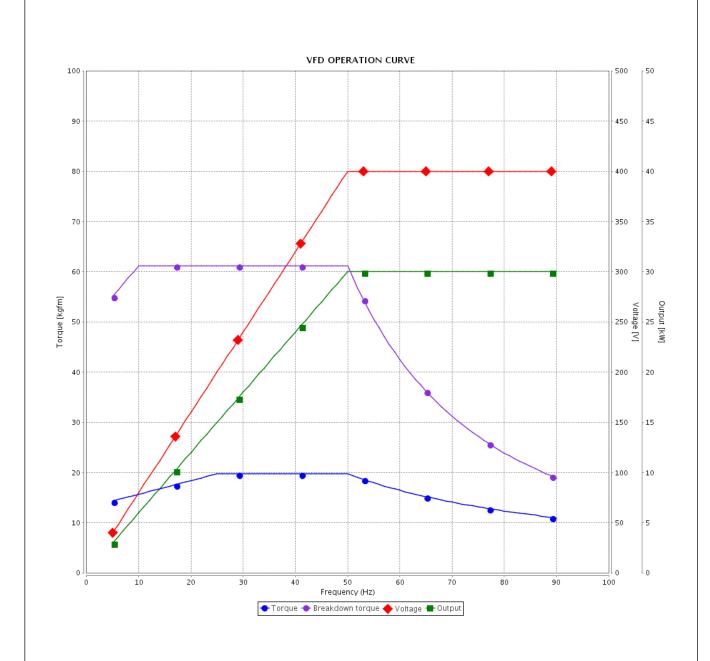
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase Product code : 12885654



Performance	: 4	00/690 V 50 Hz 4P					
Rated current		7.1/33.1 A	Moment of	Moment of inertia (J)		: 0.3202 kgm²	
LRC :		7.5	Duty cycle	Duty cycle			
Rated torque		9.7 kgfm	Insulation	Insulation class		: F	
Locked rotor torque		80 %	Service factor		: 1.00		
Breakdown torque		10 %	7 Temperature rise		: 80 K		
Rated speed	: 1	1480 rpm Design		: N			
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