DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IE3 Three-Phase Product code: 12863077 Frame Locked rotor time : 50s (cold) 28s (hot) : 315S/M Output : 160 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. : 280/162 A Protection degree Rated current : IP55 : 2156/1250 A Cooling method : IC411 - TEFC L. R. Amperes LRC : 7.7 Mounting : B3T No load current : 100/58.0 A Rotation¹ : Both (CW and CCW) Rated speed : 1490 rpm Noise level² : 71.0 dB(A) Slip : 0.67 % Starting method : Direct On Line Rated torque : 105 kgfm Approx. weight3 : 1140 kg Locked rotor torque : 260 % Breakdown torque : 270 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 3.99 kgm² Design : N 50% Output 75% 100% Foundation loads Efficiency (%) 95.2 95.9 96.0 Max. traction : 1486 kgf Power Factor 0.74 0.82 0.86 Max. compression : 2626 kgf Drive end Non drive end 6319 C3 6316 C3 Bearing type WSeal WSeal Sealing Lubrication interval 11000 h 13000 h Lubricant amount 45 g 34 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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Three Phase Induction Motor - Squirrel Cage



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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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Date	27/06/2019			2/3	

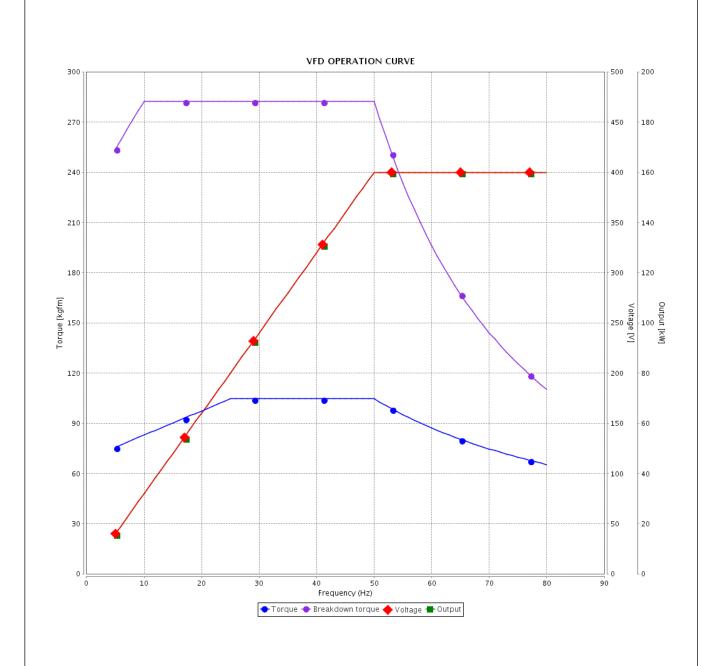
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase Product code : 12863077



Performance		: 400/690 V 50 Hz 4P					
Rated current		: 280/162 A	Moment of inertia (J)		: 3.99 kgm²		
LRC		: 7.7	Duty cycle		: S1		
Rated torque		: 105 kgfm	Insulation class		: F		
Locked rotor torque		: 260 %	Service factor		: 1.00		
Breakdown torque		: 270 %	Temperature rise		: 80 K		
Rated speed		: 1490 rpm	Design		: N		
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Rated speed : 14		490 rpm	Design		: IN	
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