DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		: IDS			
Product line		: W22 IE3	Three-Phase	Product code :	12862410
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J Design)	: 280S/M : 75 kW : 2 : 50 Hz : 400/690 S : 130/75.4 : 975/565 S : 7.5 : 40.8/23.7 : 2975 rpm : 0.83 % : 24.6 kgfn : 200 % : 310 % : F : 1.00 : 0.9386 kg	A A A	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 64s (cold) 36s (hot) : 80 K : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : B3T : Both (CW and CCW) : 77.0 dB(A) : Direct On Line : 674 kg
	60%	75%	100%	Foundation loads	
Efficiency (%) 9)3.7).78	94.8 0.85	94.9 0.88	Max. traction Max. compression	: 270 kgf : 944 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		:	Drive end 6314 C3 WSeal 5000 h 27 g	Non drive end 6314 C3 WSeal 5000 h 27 g 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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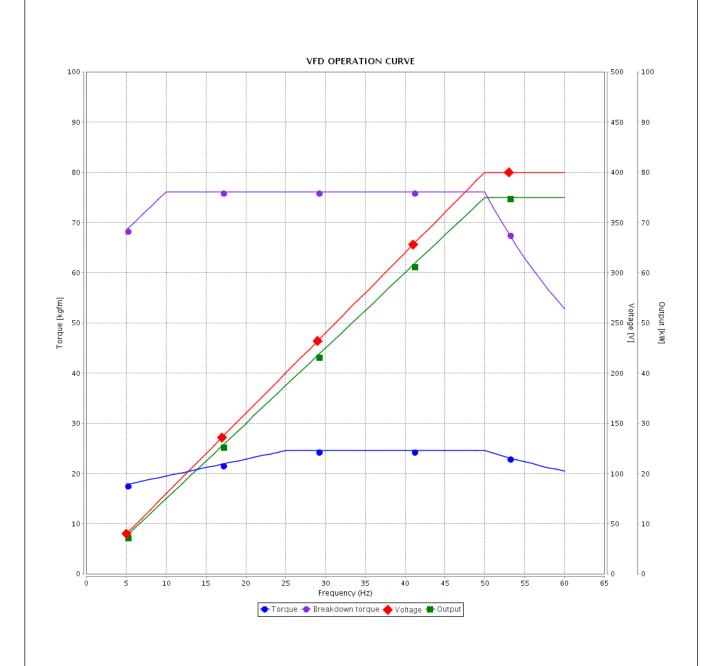
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase Product code : 12862410



: 400/690 V 50 Hz 2P				
: 130/75.4 A : 7.5 : 24.6 kgfm : 200 % : 310 % : 2975 rpm	Duty cycle Insulation Service fa	e class ector	: 0.9386 kgm² : S1 : F : 1.00 : 80 K : N	2
Changes Summary		Performed	Checked	Date
	: 130/75.4 A : 7.5 : 24.6 kgfm : 200 % : 310 % : 2975 rpm	: 130/75.4 A	: 130/75.4 A : 7.5 : 24.6 kgfm : 200 % : 310 % : 2975 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 130/75.4 A Moment of inertia (J) : 0.9386 kgm² : 7.5 Duty cycle : S1 : 24.6 kgfm Insulation class : F : 200 % Service factor : 1.00 : 310 % Temperature rise : 80 K : 2975 rpm Design : N

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