

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: IDS				
Product line		: W22 IE3 Three-Phase		Product code : 12862412		
Frame : 315S/M Output : 110 kW Poles : 2 Frequency : 50 Hz Rated voltage : 400/690 V Rated current : 189/110 A L. R. Amperes : 1418/822 A LRC : 7.5 No load current : 60.0/34.8 A Rated speed : 2980 rpm Slip : 0.67 % Rated torque : 36.0 kgfm Locked rotor torque : 190 % Breakdown torque : 300 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 1.66 kgm ² Design : N		Locked rotor time : 68s (cold) 38s (hot) Temperature rise : 80 K Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : B3T Rotation ¹ : Both (CW and CCW) Noise level ² : 77.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 914 kg				
Output		50%	75%	100%	Foundation loads Max. traction : 320 kgf Max. compression : 1234 kgf	
Efficiency (%)		94.3	95.3	95.4		
Power Factor		0.78	0.85	0.88		
		<u>Drive end</u> Bearing type : 6314 C3 Sealing : WSeal Lubrication interval : 5000 h Lubricant amount : 27 g Lubricant type : Mobil Polyrex EM		<u>Non drive end</u> 6314 C3 WSeal 5000 h 27 g		
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

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

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VFD OPERATION CURVE

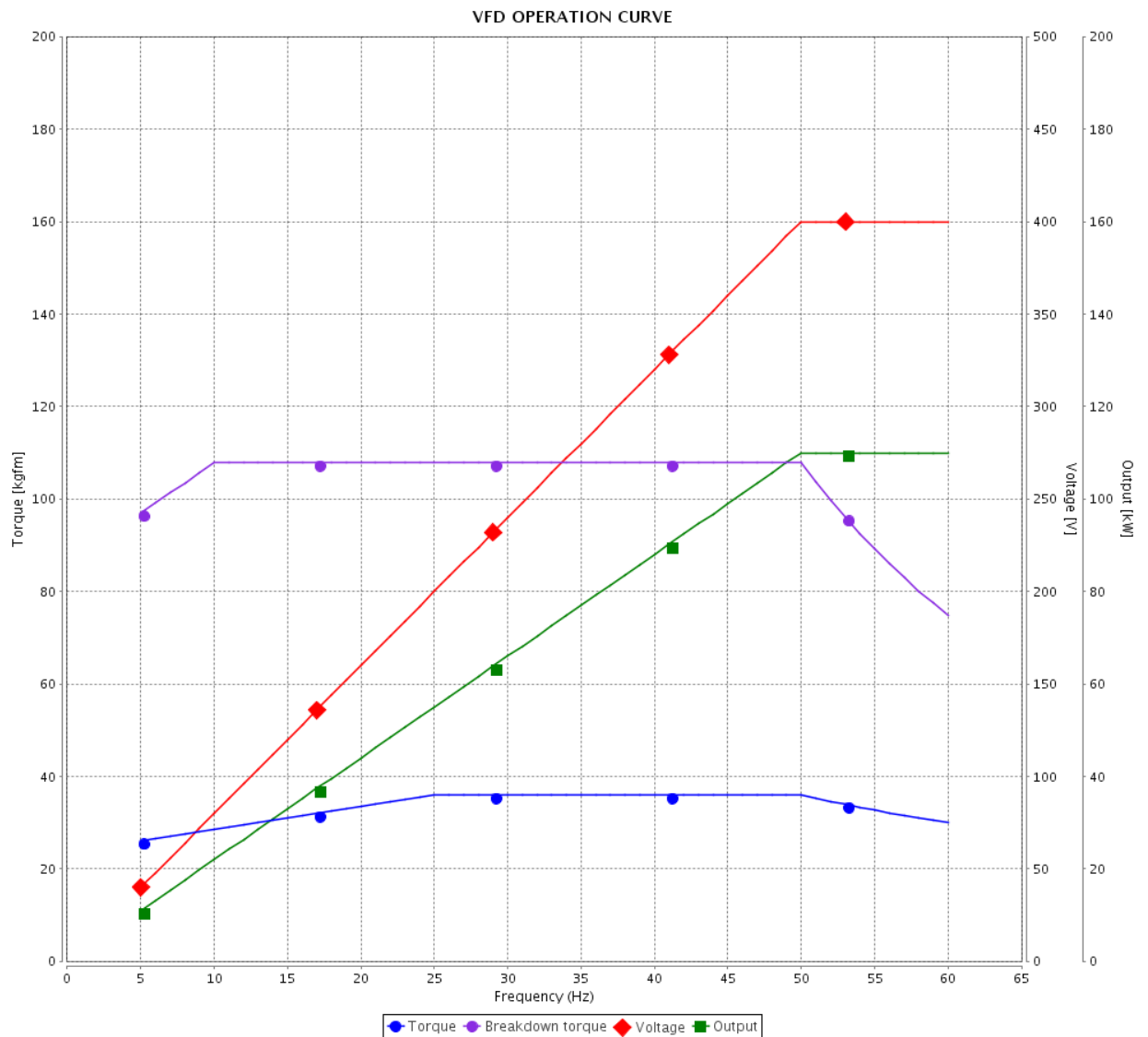
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862412



Performance : 400/690 V 50 Hz 2P

Rated current : 189/110 A
 LRC : 7.5
 Rated torque : 36.0 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 300 %
 Rated speed : 2980 rpm

Moment of inertia (J) : 1.66 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary	Performed	Checked	Date
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Checked by				
Date	25/06/2019			
		Revision		