

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: IDS	
Product line		: W22 IE3 Three-Phase	Product code : 12876272
Frame : 160M Output : 11 kW Poles : 4 Frequency : 50 Hz Rated voltage : 400/690 V Rated current : 20.9/12.1 A L. R. Amperes : 157/90.9 A LRC : 7.5 No load current : 10.0/5.80 A Rated speed : 1470 rpm Slip : 2.00 % Rated torque : 7.29 kgfm Locked rotor torque : 280 % Breakdown torque : 320 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.1191 kgm ² Design : N	Locked rotor time : 19s (cold) 11s (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 : 61.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 126 kg		
Output	50%	75%	100%
Efficiency (%)	91.1	91.8	91.6
Power Factor	0.65	0.77	0.83
Foundation loads		Max. traction : 288 kgf Max. compression : 414 kgf	
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		Drive end 6309 C3 V'Ring 20000 h 13 g Mobil Polyrex EM	
		Non drive end 6209 Z C3 V'Ring 20000 h 9 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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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

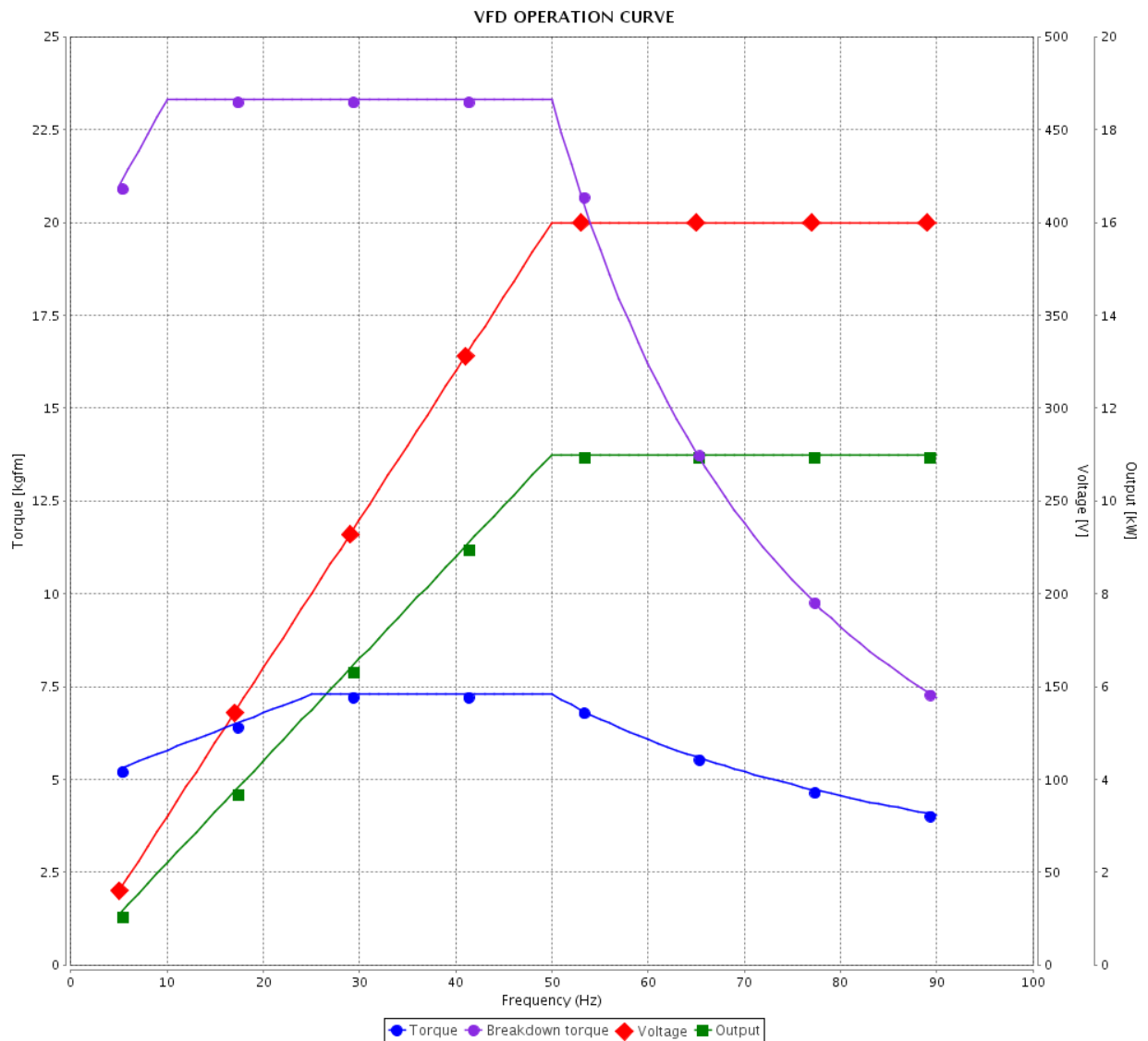
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Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12876272



Performance : 400/690 V 50 Hz 4P

Rated current : 20.9/12.1 A
 LRC : 7.5
 Rated torque : 7.29 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 320 %
 Rated speed : 1470 rpm

Moment of inertia (J) : 0.1191 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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