

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		: IDS	
Product line		: W22 IE3 Three-Phase	Product code : 12862883
Frame : 132M Output : 4 kW Poles : 6 Frequency : 50 Hz Rated voltage : 400/690 V Rated current : 9.11/5.28 A L. R. Amperes : 55.6/32.2 A LRC : 6.1 No load current : 5.30/3.07 A Rated speed : 965 rpm Slip : 3.50 % Rated torque : 4.04 kgfm Locked rotor torque : 190 % Breakdown torque : 270 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0492 kgm ² Design : N	Locked rotor time : 36s (cold) 20s (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 : B5T Rotation ¹ : Both (CW and CCW) Noise level ² : 53.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 77.1 kg		
Output	50%	75%	100%
Efficiency (%)	86.0	86.8	86.8
Power Factor	0.53	0.66	0.73
Foundation loads		Max. traction : 152 kgf Max. compression : 229 kgf	
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		<u>Drive end</u> 6308 ZZ Oil Seal - - Mobil Polyrex EM	<u>Non drive end</u> 6207 ZZ Oil Seal - - -
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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VFD OPERATION CURVE

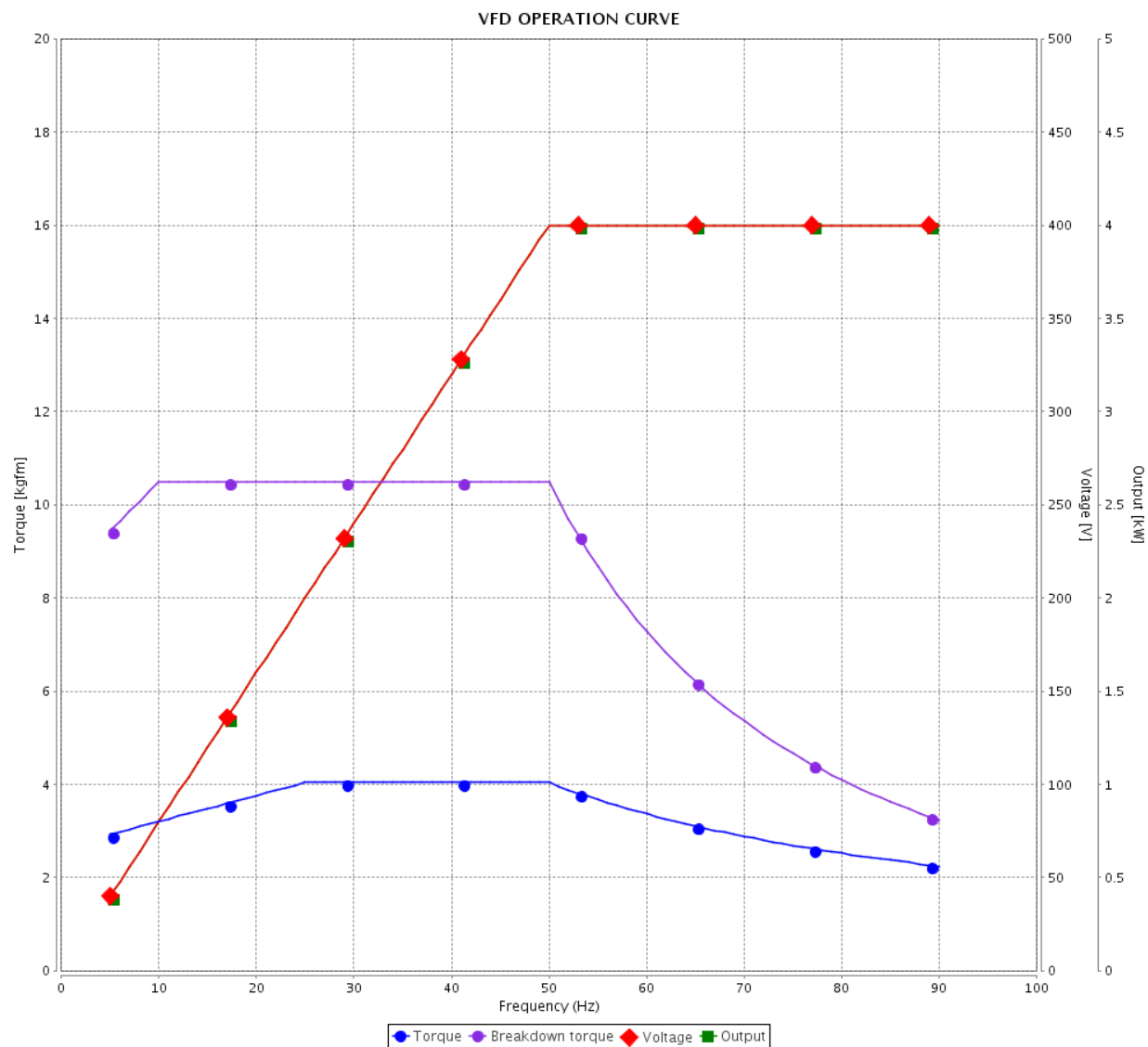
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Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862883



Performance : 400/690 V 50 Hz 6P

Rated current : 9.11/5.28 A
 LRC : 6.1
 Rated torque : 4.04 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 270 %
 Rated speed : 965 rpm

Moment of inertia (J) : 0.0492 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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