

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		: IDS	
Product line		: W22 IE3 Three-Phase	Product code : 12862531
Frame : 132M Output : 7.5 kW Poles : 4 Frequency : 50 Hz Rated voltage : 400/690 V Rated current : 14.2/8.23 A L. R. Amperes : 118/68.3 A LRC : 8.3 No load current : 6.82/3.95 A Rated speed : 1460 rpm Slip : 2.67 % Rated torque : 5.00 kgfm Locked rotor torque : 240 % Breakdown torque : 350 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0563 kgm ² Design : N	Locked rotor time : 12s (cold) 7s (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 : 56.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 77.7 kg		
Output	50%	75%	100%
Efficiency (%)	90.5	90.8	90.6
Power Factor	0.63	0.76	0.84
Foundation loads		Max. traction : 266 kgf Max. compression : 344 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

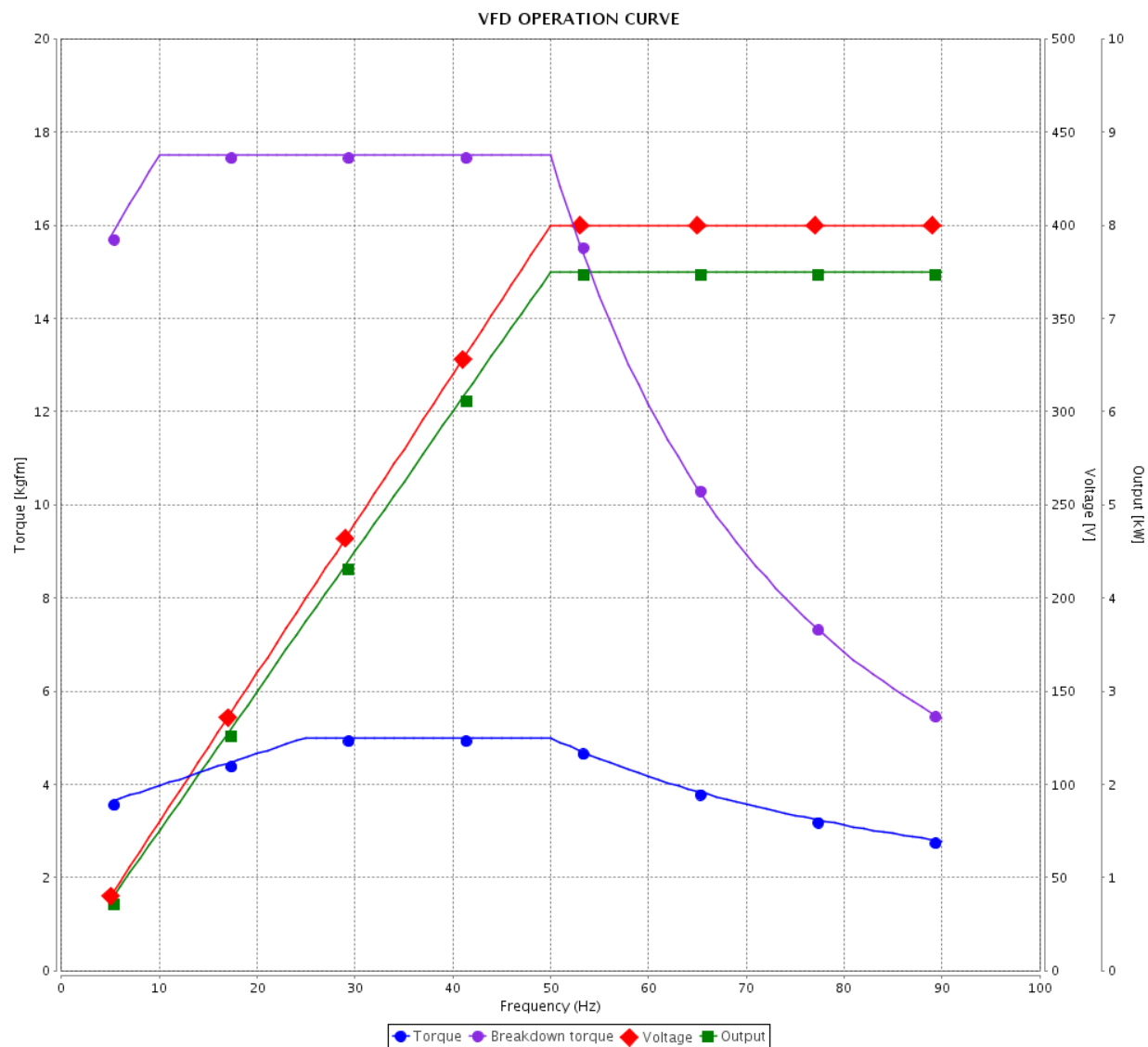
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Product line : W22 IE3 Three-Phase

Product code : 12862531



Performance : 400/690 V 50 Hz 4P

Rated current : 14.2/8.23 A
 LRC : 8.3
 Rated torque : 5.00 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 350 %
 Rated speed : 1460 rpm

Moment of inertia (J) : 0.0563 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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