

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		: IDS			
Product line		: W22 IE3 Three-Phase		Product code : 12862484	
Frame : 100L Output : 2.2 kW Poles : 4 Frequency : 50 Hz Rated voltage : 230/400 V Rated current : 7.93/4.56 A L. R. Amperes : 58.7/33.7 A LRC : 7.4 No load current : 4.17/2.40 A Rated speed : 1435 rpm Slip : 4.33 % Rated torque : 1.49 kgfm Locked rotor torque : 320 % Breakdown torque : 350 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0090 kgm ² Design : N		Locked rotor time : 32s (cold) 18s (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 : 53.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 33.2 kg			
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	86.5	87.0	87.0	Max. traction : 118 kgf	
Power Factor	0.60	0.73	0.80	Max. compression : 151 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6206 ZZ		6205 ZZ	
Sealing	:	V'Ring		V'Ring	
Lubrication interval	:	-		-	
Lubricant amount	:	-		-	
Lubricant type	:	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.		
Rev.	Changes Summary			Performed	Checked
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VFD OPERATION CURVE

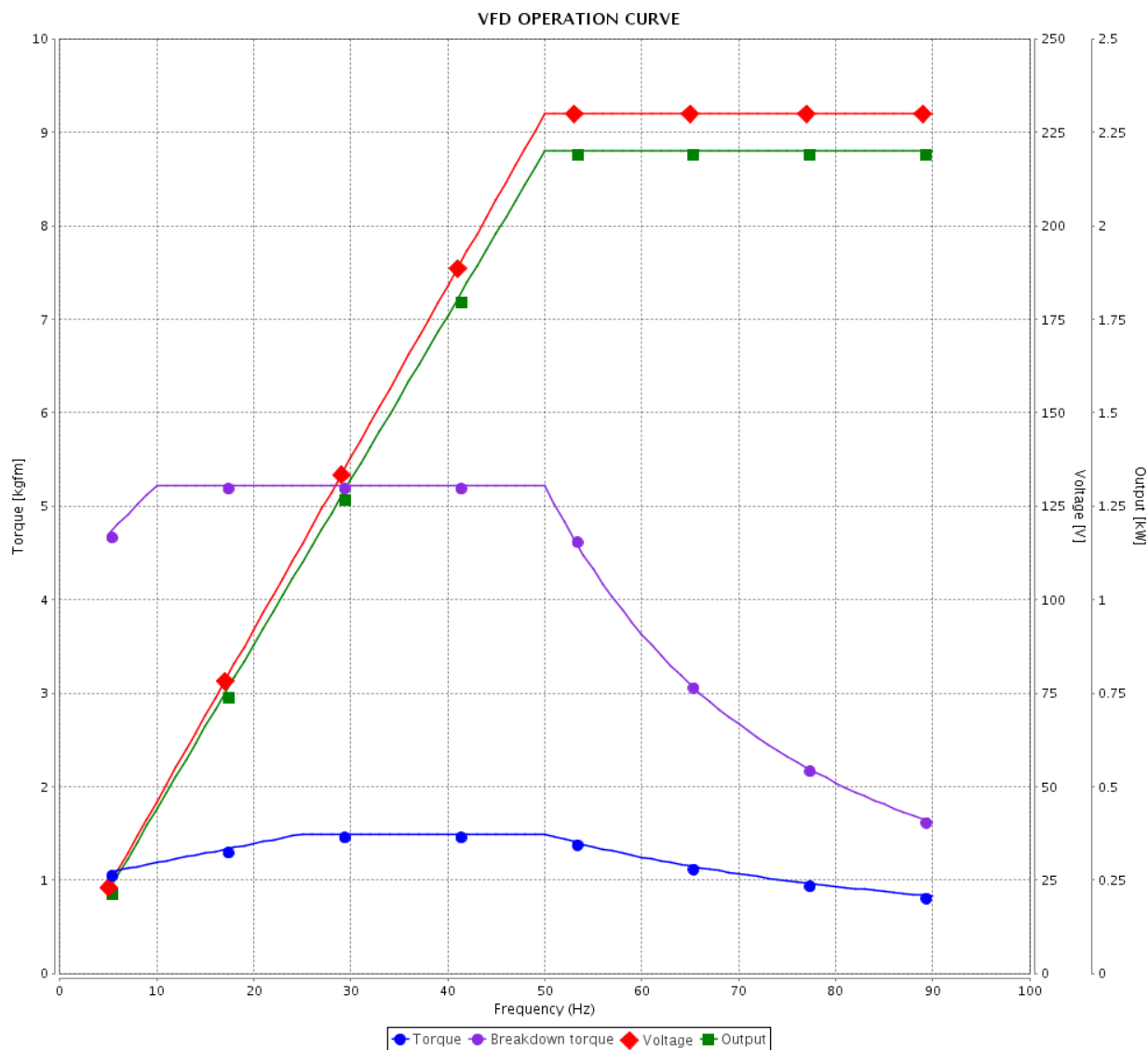
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Product line : W22 IE3 Three-Phase

Product code : 12862484



Performance : 230/400 V 50 Hz 4P

Rated current : 7.93/4.56 A
 LRC : 7.4
 Rated torque : 1.49 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 350 %
 Rated speed : 1435 rpm

Moment of inertia (J) : 0.0090 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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