

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: IDS			
Product line		: W22 IE3 Three-Phase		Product code : 12862353	
Frame : 71 Output : 0.550 kW Poles : 2 Frequency : 50 Hz Rated voltage : 230/400 V Rated current : 2.07/1.19 A L. R. Amperes : 12.2/7.02 A LRC : 5.9 No load current : 1.04/0.600 A Rated speed : 2770 rpm Slip : 7.67 % Rated torque : 0.189 kgfm Locked rotor torque : 300 % Breakdown torque : 300 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0005 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 : 56.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 10.9 kg			
Output		50%	75%	100%	Foundation loads Max. traction : 16 kgf Max. compression : 27 kgf
Efficiency (%)		75.0	76.0	77.8	
Power Factor		0.68	0.81	0.86	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type		: 6202 ZZ		: 6202 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
Date					
Performed by				Page	Revision
Checked by				1 / 2	
Date	25/06/2019				

VFD OPERATION CURVE

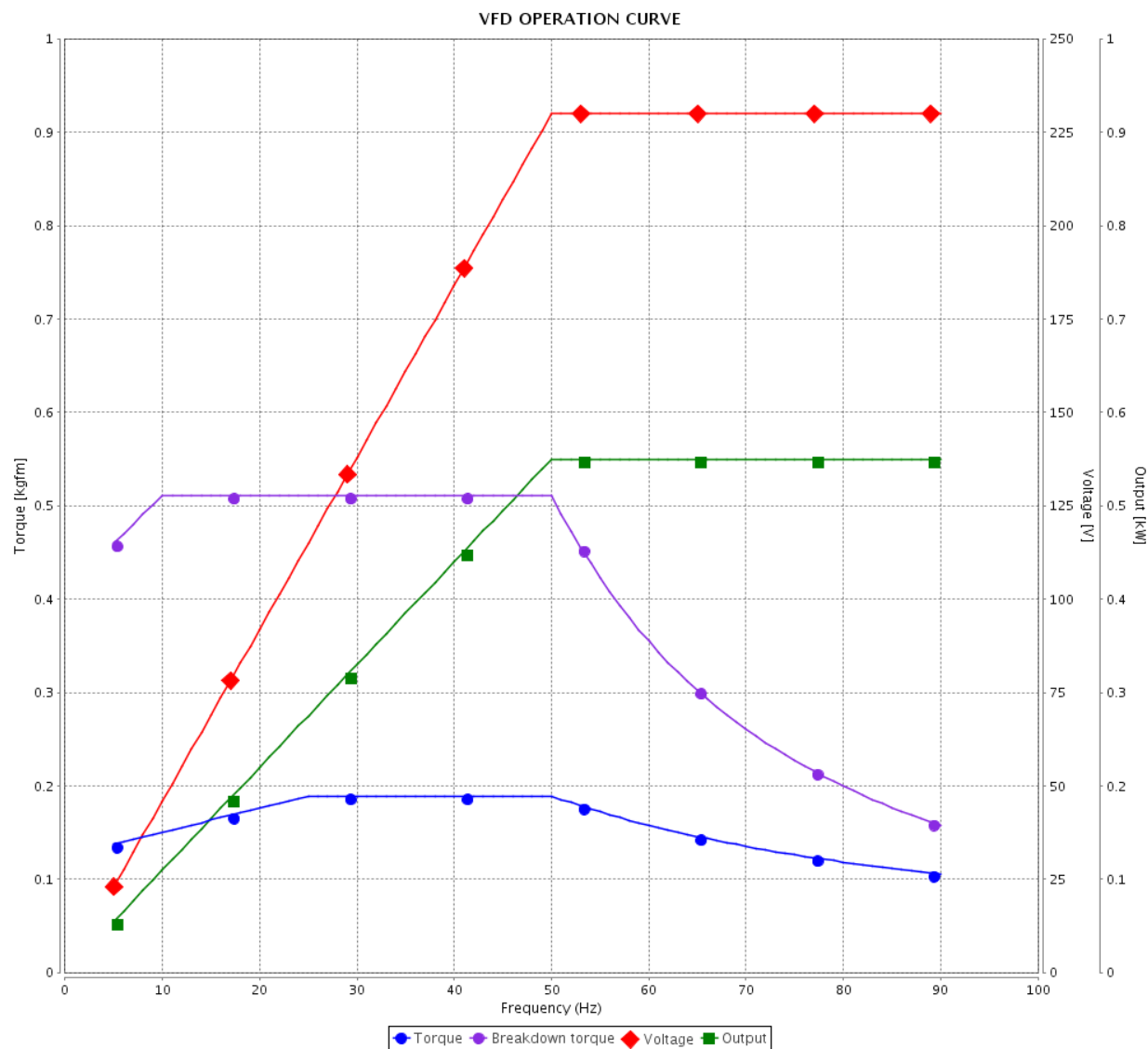
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Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862353



Performance : 230/400 V 50 Hz 2P

Rated current : 2.07/1.19 A
 LRC : 5.9
 Rated torque : 0.189 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 300 %
 Rated speed : 2770 rpm

Moment of inertia (J) : 0.0005 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date					