

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		: IDS				
Product line		: W22 IE3 Three-Phase		Product code : 12862527		
Frame	: 100L	Locked rotor time	: 32s (cold) 18s (hot)			
Output	: 2.2 kW	Temperature rise	: 80 K			
Poles	: 4	Duty cycle	: S1			
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 230/400 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 7.93/4.56 A	Protection degree	: IP55			
L. R. Amperes	: 58.7/33.7 A	Cooling method	: IC411 - TEFC			
LRC	: 7.4	Mounting	: B5T			
No load current	: 4.17/2.40 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1435 rpm	Noise level ²	: 53.0 dB(A)			
Slip	: 4.33 %	Starting method	: Direct On Line			
Rated torque	: 1.49 kgfm	Approx. weight ³	: 34.8 kg			
Locked rotor torque	: 320 %					
Breakdown torque	: 350 %					
Insulation class	: F					
Service factor	: 1.00					
Moment of inertia (J)	: 0.0090 kgm ²					
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	86.5	87.0	87.0	Max. traction : 117 kgf		
Power Factor	0.60	0.73	0.80	Max. compression : 152 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6206 ZZ		6205 ZZ		
Sealing	:	Oil Seal		Oil Seal		
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						
Checked by						
Date	27/06/2019				Page 1 / 2	Revision

VFD OPERATION CURVE

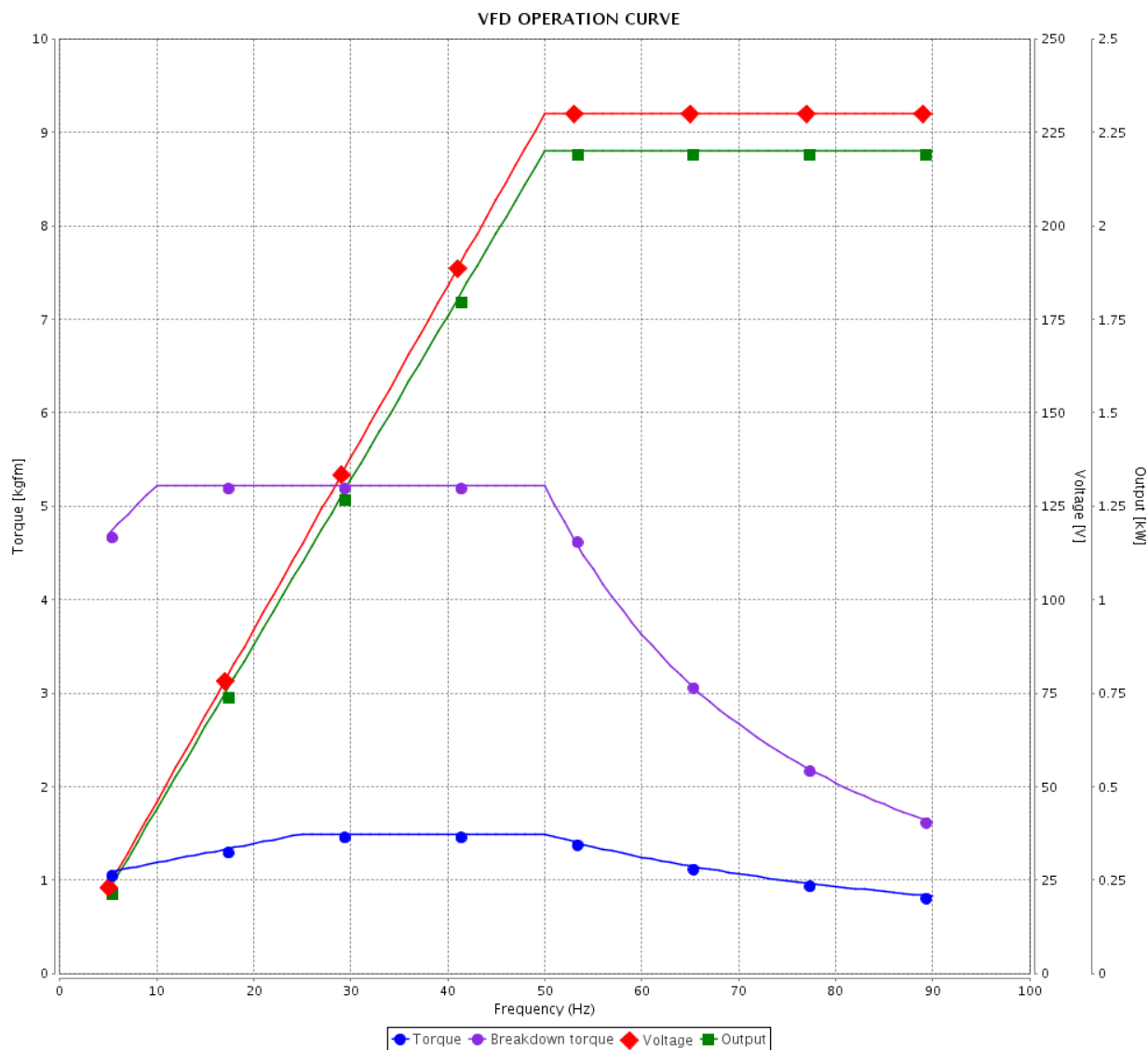
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Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862527



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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