

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.					
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Rev.	Changes Summary			Performed	Checked
Date					
Performed by				Page	Revision
Checked by				1 / 2	
Date	27/06/2019				

VFD OPERATION CURVE

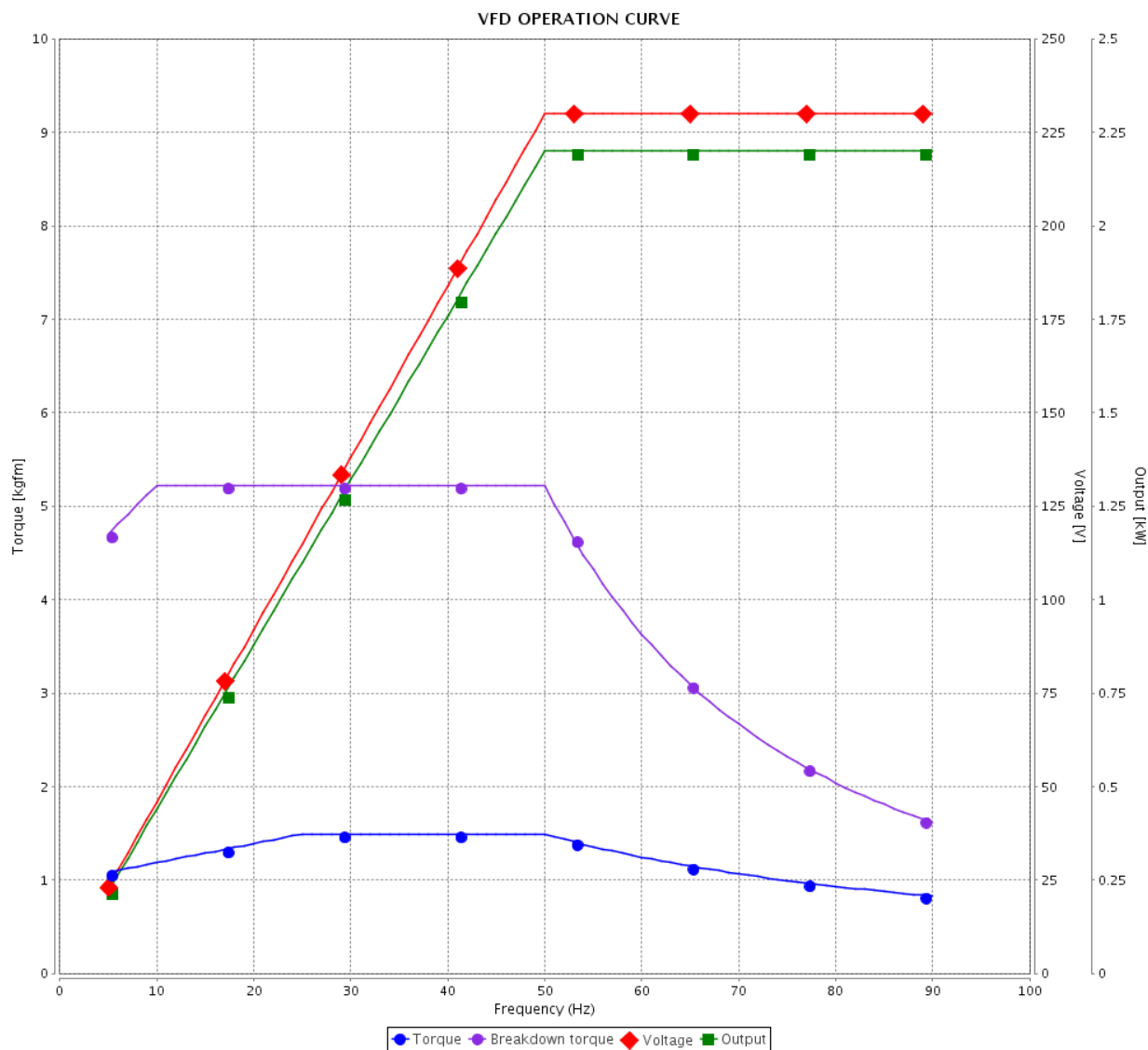
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Customer : IDS

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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