

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: IDS			
Product line		: W22 IE3 Three-Phase		Product code : 12936530	
Frame	: 80	Locked rotor time	: 41s (cold) 23s (hot)		
Output	: 1.1 kW	Temperature rise	: 80 K		
Poles	: 2	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	: 4.05/2.33 A	Protection degree	: IP55		
L. R. Amperes	: 30.0/17.2 A	Cooling method	: IC411 - TEFC		
LRC	: 7.4	Mounting	: B35T		
No load current	: 2.26/1.30 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 2830 rpm	Noise level ²	: 59.0 dB(A)		
Slip	: 5.67 %	Starting method	: Direct On Line		
Rated torque	: 0.379 kgfm	Approx. weight ³	: 16.4 kg		
Locked rotor torque	: 360 %				
Breakdown torque	: 360 %				
Insulation class	: F				
Service factor	: 1.00				
Moment of inertia (J)	: 0.0009 kgm ²				
Design	: N				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	81.0	83.5	83.0	Max. traction : 43 kgf	
Power Factor	0.63	0.76	0.82	Max. compression : 59 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6204 ZZ		6203 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
Performed by				Page	Revision
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Date	10/07/2019				
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VFD OPERATION CURVE

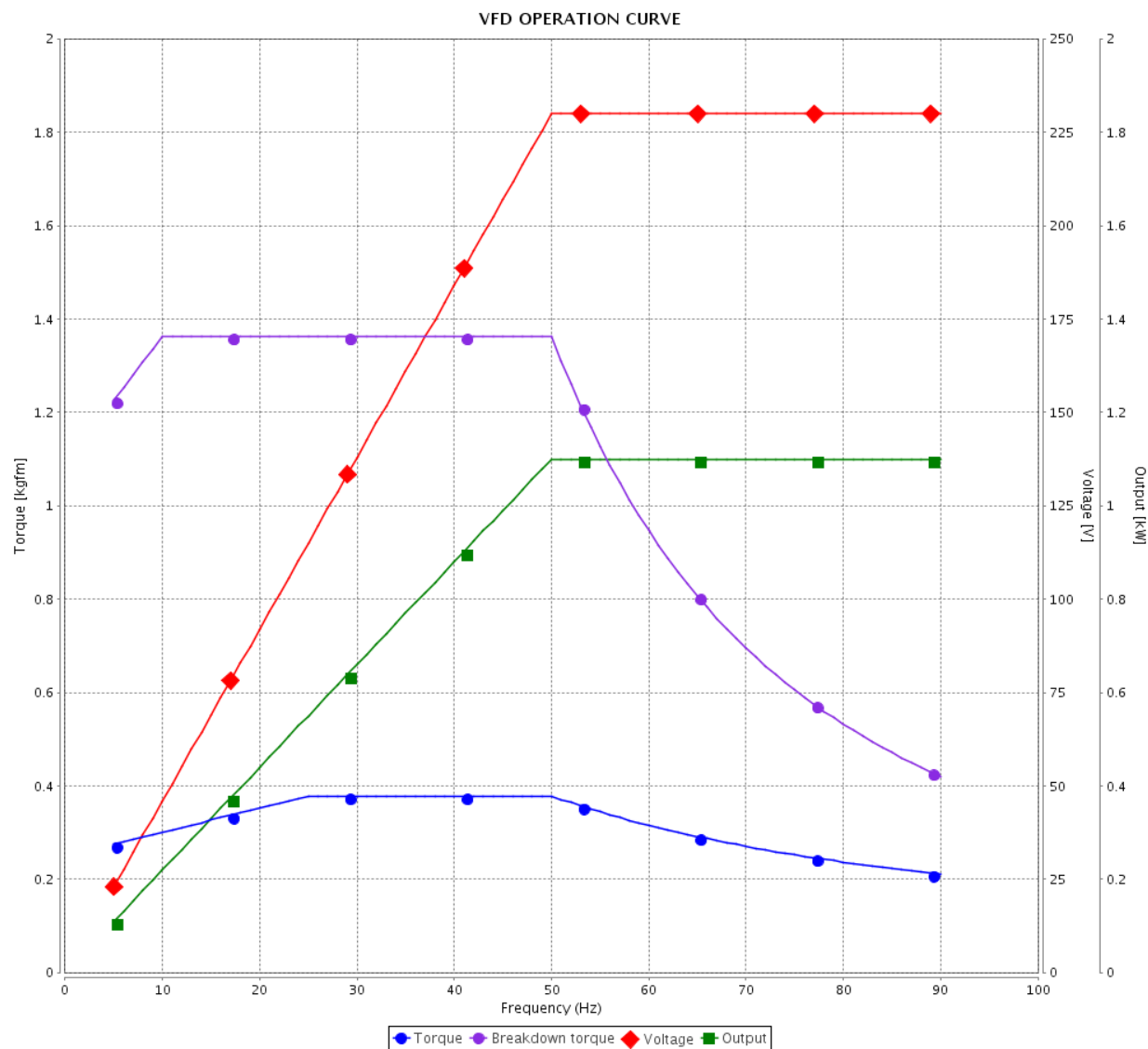
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Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12936530



Performance : 230/400 V 50 Hz 2P

Rated current : 4.05/2.33 A
 LRC : 7.4
 Rated torque : 0.379 kgfm
 Locked rotor torque : 360 %
 Breakdown torque : 360 %
 Rated speed : 2830 rpm

Moment of inertia (J) : 0.0009 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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