

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: IDS				
Product line		: W22 IE3 Three-Phase		Product code : 13095027		
Frame	: 112M	Locked rotor time	: 25s (cold) 14s (hot)			
Output	: 4 kW	Temperature rise	: 80 K			
Poles	: 2	Duty cycle	: S1			
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 400/690 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 7.59/4.40 A	Protection degree	: IP55			
L. R. Amperes	: 58.4/33.9 A	Cooling method	: IC411 - TEFC			
LRC	: 7.7	Mounting	: B35T			
No load current	: 3.10/1.80 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 2900 rpm	Noise level ²	: 62.0 dB(A)			
Slip	: 3.33 %	Starting method	: Direct On Line			
Rated torque	: 1.34 kgfm	Approx. weight ³	: 45.2 kg			
Locked rotor torque	: 250 %					
Breakdown torque	: 350 %					
Insulation class	: F					
Service factor	: 1.00					
Moment of inertia (J)	: 0.0081 kgm ²					
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	88.0	88.4	88.4	Max. traction : 77 kgf		
Power Factor	0.69	0.80	0.86	Max. compression : 123 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6207 ZZ		6206 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	10/07/2019				Page	Revision
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VFD OPERATION CURVE

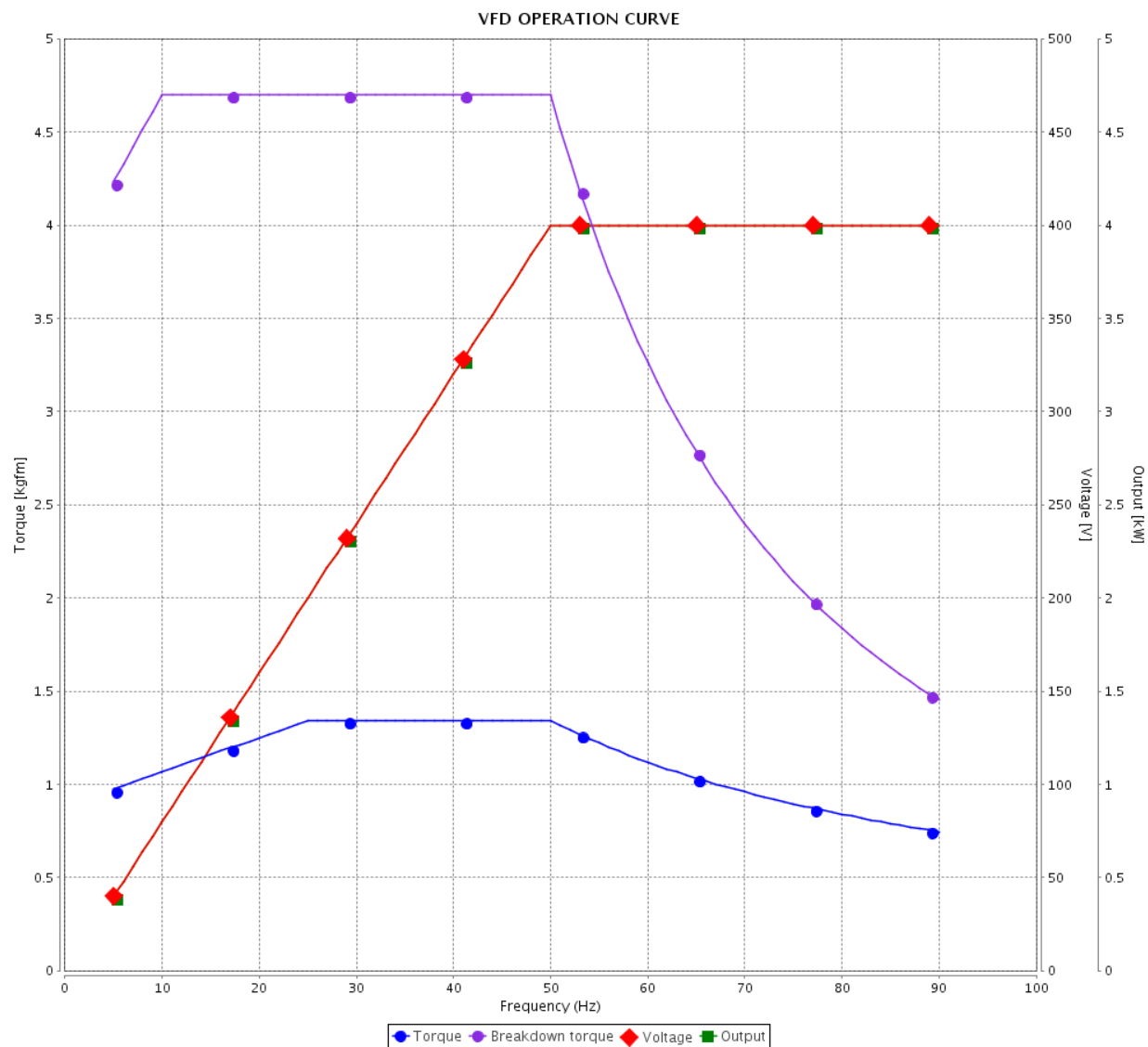
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 13095027



Performance : 400/690 V 50 Hz 2P

Rated current : 7.59/4.40 A
 LRC : 7.7
 Rated torque : 1.34 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 350 %
 Rated speed : 2900 rpm

Moment of inertia (J) : 0.0081 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary		Performed	Checked	Date
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