

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22 IE3 Three-Phase		Product code : 12862487			
Frame : 132S Output : 5.5 kW Poles : 4 Frequency : 50 Hz Rated voltage : 400/690 V Rated current : 10.4/6.03 A L. R. Amperes : 86.3/50.0 A LRC : 8.3 No load current : 4.52/2.62 A Rated speed : 1460 rpm Slip : 2.67 % Rated torque : 3.67 kgfm Locked rotor torque : 210 % Breakdown torque : 330 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0491 kgm ² Design : N		Locked rotor time : 21s (cold) 12s (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 : 66.5 kg			
Output	50%	75%	100%	Foundation loads Max. traction : 185 kgf Max. compression : 252 kgf	
Efficiency (%)	89.0	89.6	89.7		
Power Factor	0.69	0.80	0.85		
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6308 ZZ	6207 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					
Checked by					
Date	27/06/2019			Page 1 / 2	Revision

VFD OPERATION CURVE

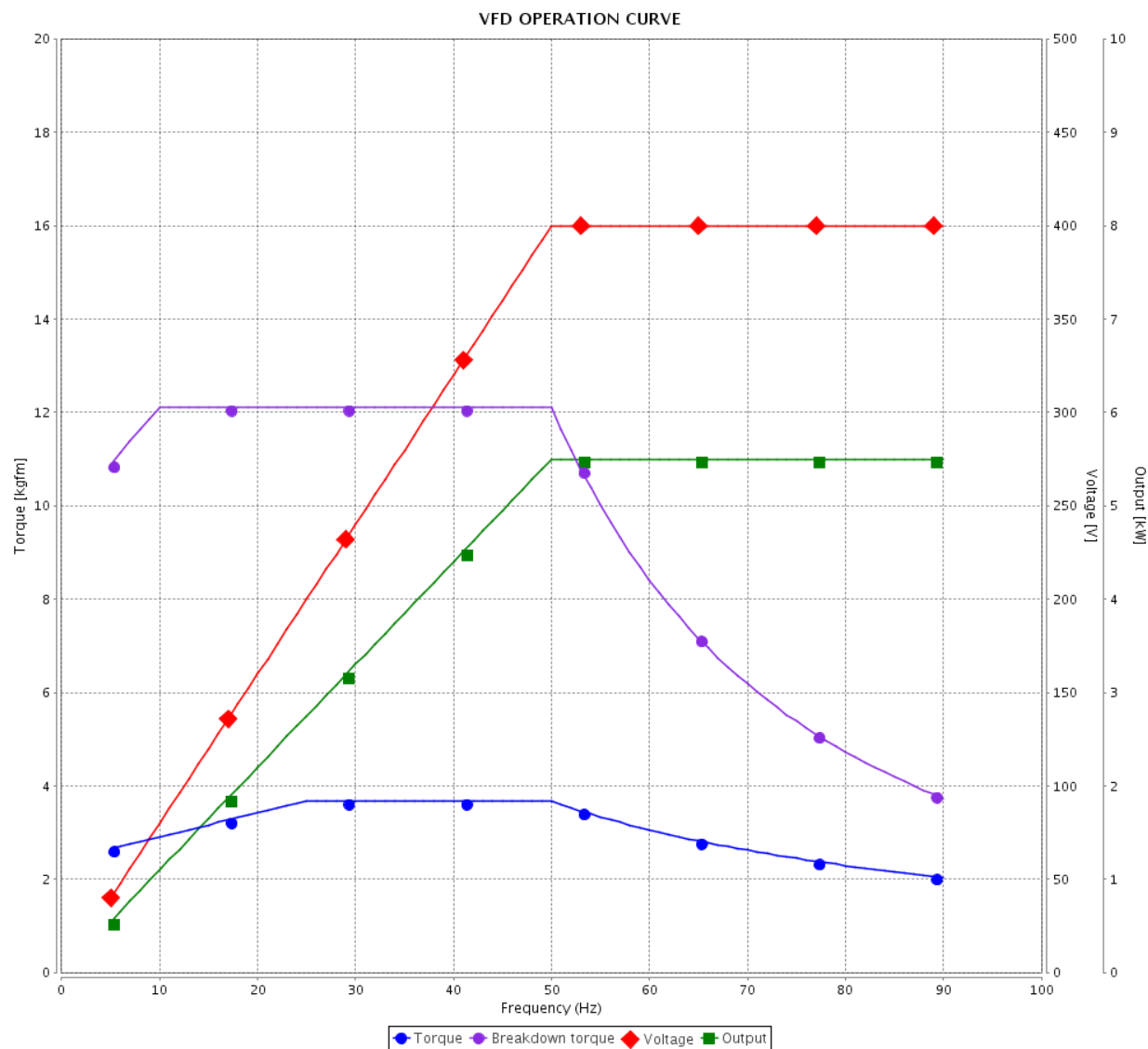
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Customer : _____

Product line : W22 IE3 Three-Phase

Product code : 12862487



Performance : 400/690 V 50 Hz 4P

Rated current : 10.4/6.03 A
 LRC : 8.3
 Rated torque : 3.67 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 330 %
 Rated speed : 1460 rpm

Moment of inertia (J) : 0.0491 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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