

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22 IE3 Three-Phase		Product code : 12876269			
Frame : 80 Output : 0.75 kW Poles : 2 Frequency : 50 Hz Rated voltage : 230/400 V Rated current : 2.83/1.63 A L. R. Amperes : 21.3/12.2 A LRC : 7.5 No load current : 1.57/0.900 A Rated speed : 2870 rpm Slip : 4.33 % Rated torque : 0.255 kgfm Locked rotor torque : 330 % Breakdown torque : 340 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0008 kgm <sup>2</sup> Design : N		Locked rotor time : 32s (cold) 18s (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 <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 59.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 14.2 kg			
Output	50%	75%	100%	Foundation loads Max. traction : 22 kgf Max. compression : 36 kgf	
Efficiency (%)	80.0	82.0	81.0		
Power Factor	0.61	0.74	0.82		
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6204 ZZ	6203 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	25/06/2019			Page 1 / 2	Revision

# VFD OPERATION CURVE

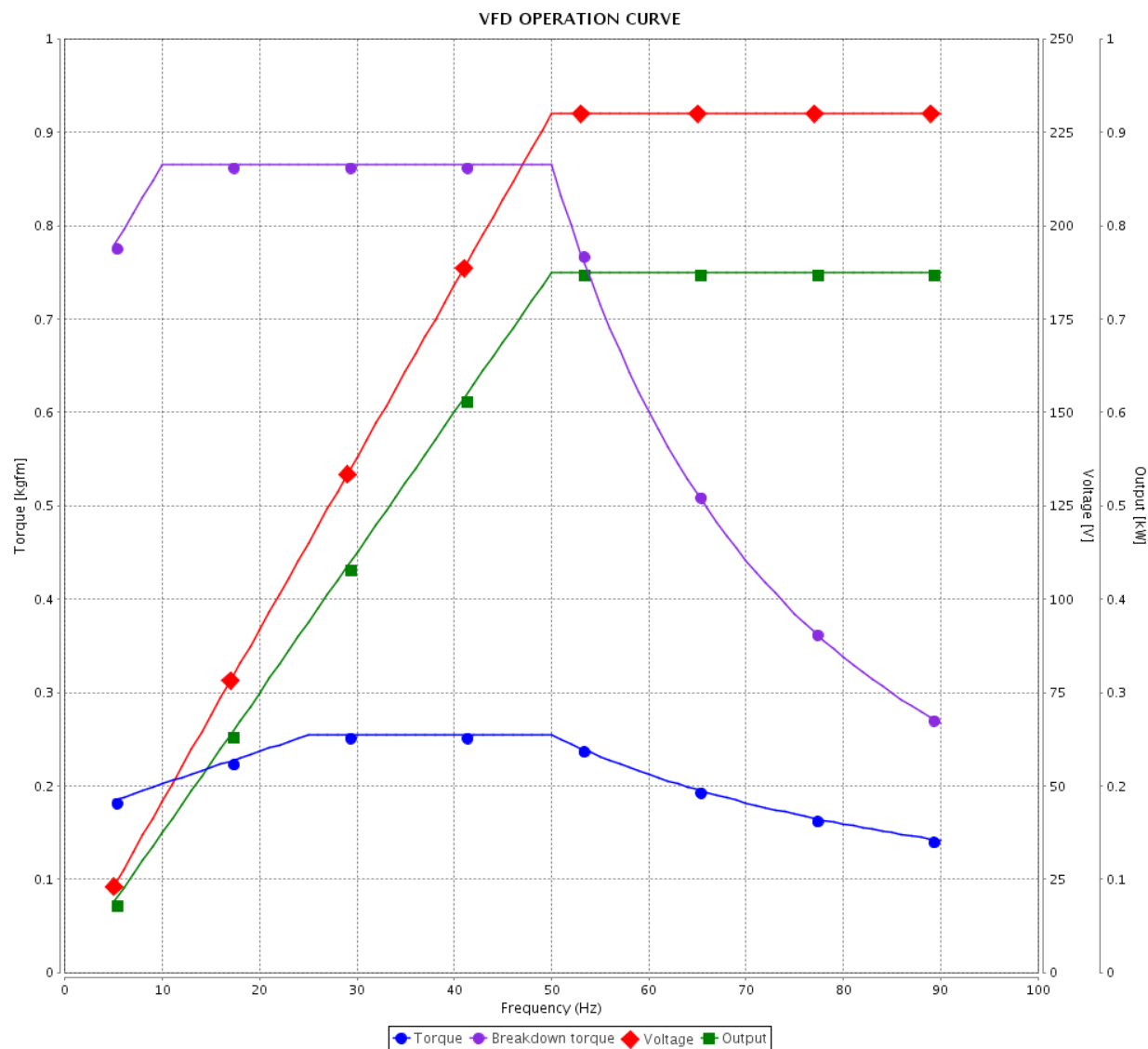
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IE3 Three-Phase

Product code : 12876269



Performance : 230/400 V 50 Hz 2P

Rated current : 2.83/1.63 A  
 LRC : 7.5  
 Rated torque : 0.255 kgfm  
 Locked rotor torque : 330 %  
 Breakdown torque : 340 %  
 Rated speed : 2870 rpm

Moment of inertia (J) : 0.0008 kgm<sup>2</sup>  
 Duty cycle : S1  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 80 K  
 Design : N

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
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