

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: W22 IE3 Three-Phase		Product code : 12876269
Frame	: 80	Locked rotor time	: 32s (cold) 18s (hot)	
Output	: 0.75 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	: 2.83/1.63 A	Protection degree	: IP55	
L. R. Amperes	: 21.3/12.2 A	Cooling method	: IC411 - TEFC	
LRC	: 7.5	Mounting	: B3T	
No load current	: 1.57/0.900 A	Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 2870 rpm	Noise level <sup>2</sup>	: 59.0 dB(A)	
Slip	: 4.33 %	Starting method	: Direct On Line	
Rated torque	: 0.255 kgfm	Approx. weight <sup>3</sup>	: 14.2 kg	
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			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	80.0	82.0	81.0	Max. traction : 22 kgf
Power Factor	0.61	0.74	0.82	Max. compression : 36 kgf
		<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
Performed by				
Checked by				
Date	25/06/2019		Page 1 / 2	Revision

# VFD OPERATION CURVE

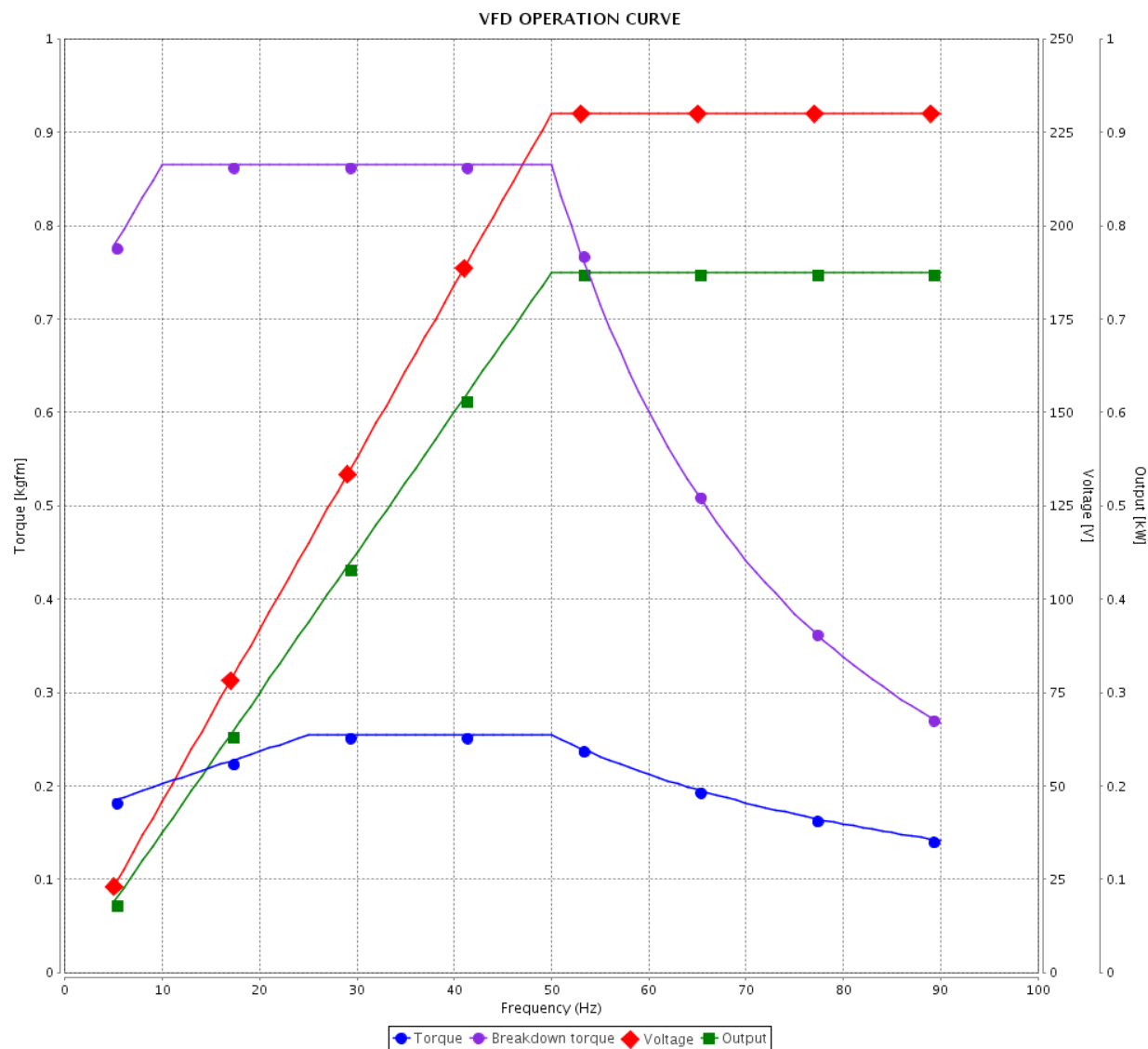
Three Phase Induction Motor - Squirrel Cage



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
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