

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer		: IDS												
Product line		: W22 IE3 Three-Phase		Product code : 12862425										
Frame : 71 Output : 0.37 kW Poles : 2 Frequency : 50 Hz Rated voltage : 230/400 V Rated current : 1.48/0.851 A L. R. Amperes : 8.88/5.11 A LRC : 6.0 No load current : 0.783/0.450 A Rated speed : 2820 rpm Slip : 6.00 % Rated torque : 0.128 kgfm Locked rotor torque : 250 % Breakdown torque : 250 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0004 kgm <sup>2</sup> 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 : B5T Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 56.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 10.9 kg												
Output	50%	75%	100%	Foundation loads										
Efficiency (%)	73.0	73.8	73.8	Max. traction : 6 kgf										
Power Factor	0.66	0.79	0.85	Max. compression : 17 kgf										
		<u>Drive end</u>		<u>Non drive end</u>										
Bearing type	:	6202 ZZ		6202 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									
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# VFD OPERATION CURVE

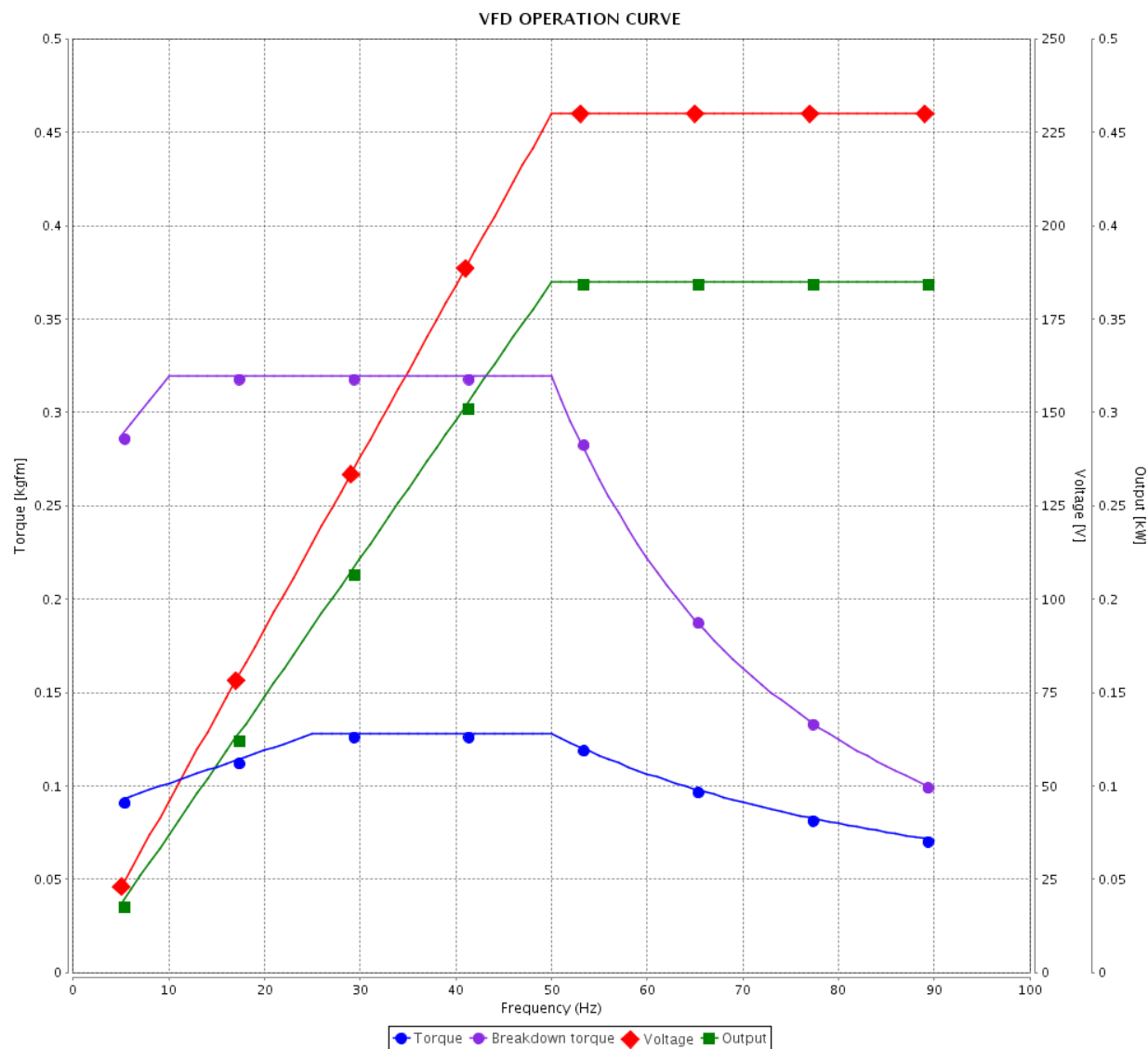
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862425



Performance : 230/400 V 50 Hz 2P

Rated current : 1.48/0.851 A  
 LRC : 6.0  
 Rated torque : 0.128 kgfm  
 Locked rotor torque : 250 %  
 Breakdown torque : 250 %  
 Rated speed : 2820 rpm

Moment of inertia (J) : 0.0004 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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Date					