

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer		: IDS	
Product line		: W22 IE3 Three-Phase	Product code : 12862484
Frame : 100L Output : 2.2 kW Poles : 4 Frequency : 50 Hz Rated voltage : 230/400 V Rated current : 7.93/4.56 A L. R. Amperes : 58.7/33.7 A LRC : 7.4 No load current : 4.17/2.40 A Rated speed : 1435 rpm Slip : 4.33 % Rated torque : 1.49 kgfm Locked rotor torque : 320 % Breakdown torque : 350 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0090 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> : 53.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 33.2 kg		
Output	50%	75%	100%
Efficiency (%)	86.5	87.0	87.0
Power Factor	0.60	0.73	0.80
Foundation loads		Max. traction : 118 kgf Max. compression : 151 kgf	
		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6206 ZZ	6205 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
Performed by			Checked
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# VFD OPERATION CURVE

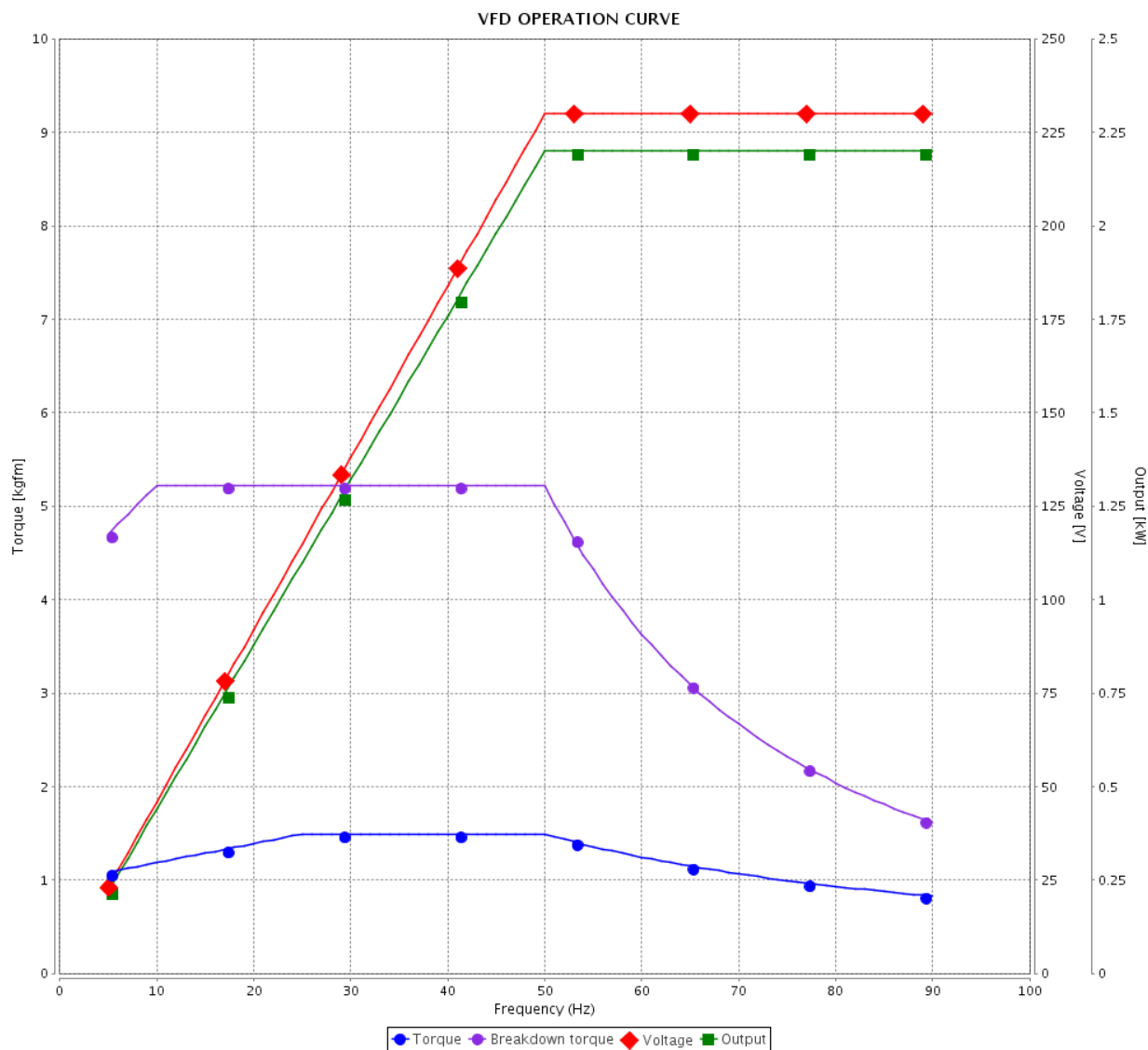
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Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862484



Performance : 230/400 V 50 Hz 4P

Rated current : 7.93/4.56 A  
 LRC : 7.4  
 Rated torque : 1.49 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 350 %  
 Rated speed : 1435 rpm

Moment of inertia (J) : 0.0090 kgm<sup>2</sup>  
 Duty cycle : S1  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 80 K  
 Design : N

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