

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: IDS	
Product line		: W22 IE3 Three-Phase	Product code : 12936529
Frame : 112M Output : 4 kW Poles : 4 Frequency : 50 Hz Rated voltage : 400/690 V Rated current : 8.23/4.77 A L. R. Amperes : 57.6/33.4 A LRC : 7.0 No load current : 4.60/2.67 A Rated speed : 1450 rpm Slip : 3.33 % Rated torque : 2.69 kgfm Locked rotor torque : 229 % Breakdown torque : 310 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0180 kgm ² Design : N	Locked rotor time : 27s (cold) 15s (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 : B35T Rotation ¹ : Both (CW and CCW) Noise level ² : 56.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 48.2 kg		
Output	50%	75%	100%
Efficiency (%)	88.7	89.1	88.8
Power Factor	0.60	0.72	0.79
Foundation loads		Max. traction : 139 kgf Max. compression : 187 kgf	
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		<u>Drive end</u> 6207 ZZ Oil Seal - - Mobil Polyrex EM	<u>Non drive end</u> 6206 ZZ Oil Seal - -
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
Checked by			Date
Date	10/07/2019		Page 1 / 2
		Revision	

VFD OPERATION CURVE

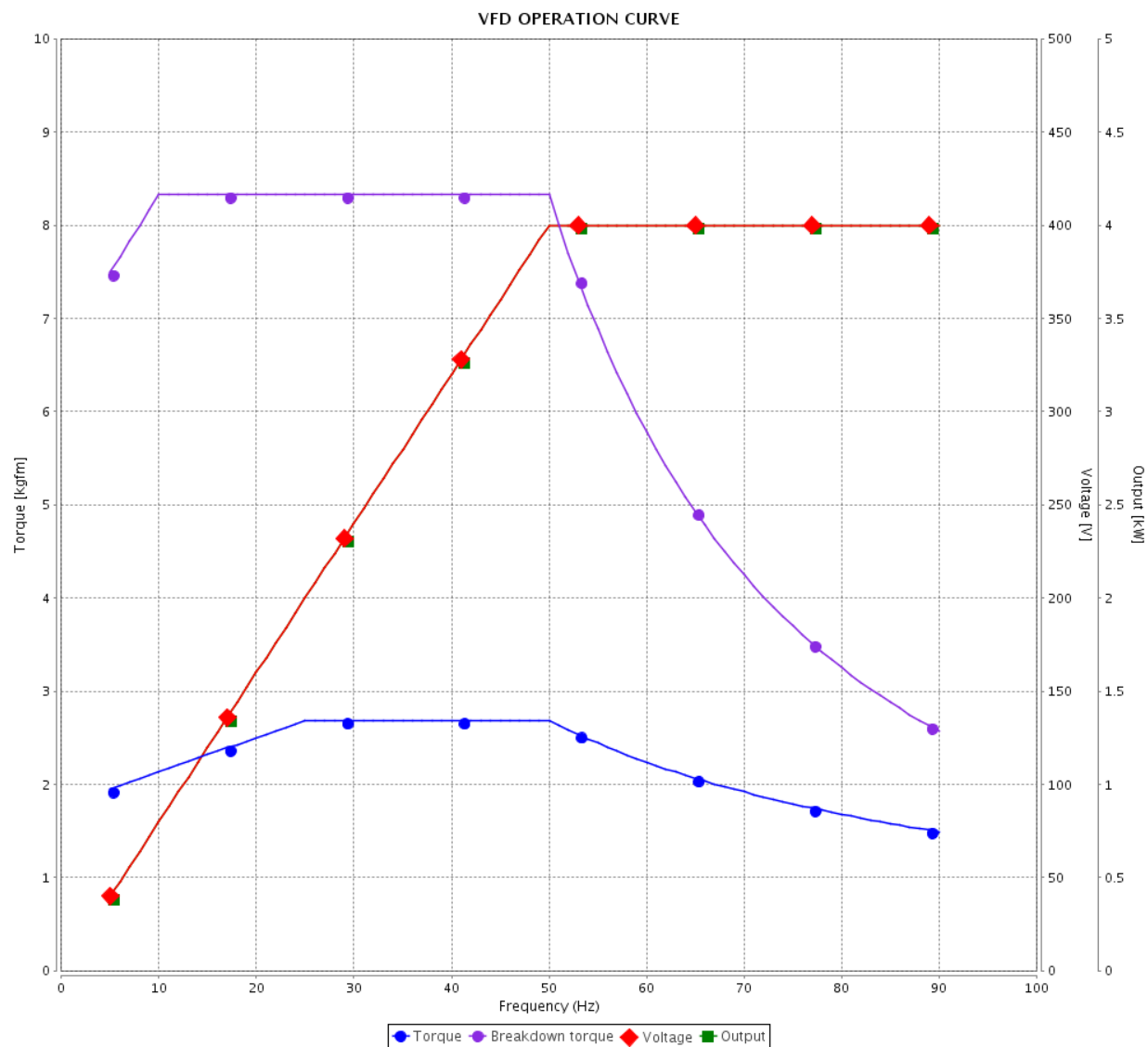
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12936529



Performance : 400/690 V 50 Hz 4P

Rated current : 8.23/4.77 A
 LRC : 7.0
 Rated torque : 2.69 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 310 %
 Rated speed : 1450 rpm

Moment of inertia (J) : 0.0180 kgm²
 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
Checked by				2 / 2	
Date					
	10/07/2019				