

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: IDS	
Product line		: W22 IE3 Three-Phase	Product code : 12862548
Frame : 225S/M Output : 37 kW Poles : 4 Frequency : 50 Hz Rated voltage : 400/690 V Rated current : 66.8/38.7 A L. R. Amperes : 514/298 A LRC : 7.7 No load current : 27.0/15.7 A Rated speed : 1480 rpm Slip : 1.33 % Rated torque : 24.4 kgfm Locked rotor torque : 280 % Breakdown torque : 330 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.5177 kgm ² Design : N	Locked rotor time : 23s (cold) 13s (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 ¹ : Both (CW and CCW) Noise level ² : 63.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 377 kg		
Output	50%	75%	100%
Efficiency (%)	93.4	94.0	94.1
Power Factor	0.70	0.80	0.85
Foundation loads		Max. traction : 630 kgf Max. compression : 1007 kgf	
		<u>Drive end</u> Bearing type : 6314 C3 Sealing : Oil Seal Lubrication interval : 14000 h Lubricant amount : 27 g Lubricant type : Mobil Polyrex EM	<u>Non drive end</u> 6314 C3 Oil Seal 14000 h 27 g
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	27/06/2019		Page 1 / 3
		Revision	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 3	
Date	27/06/2019				

VFD OPERATION CURVE

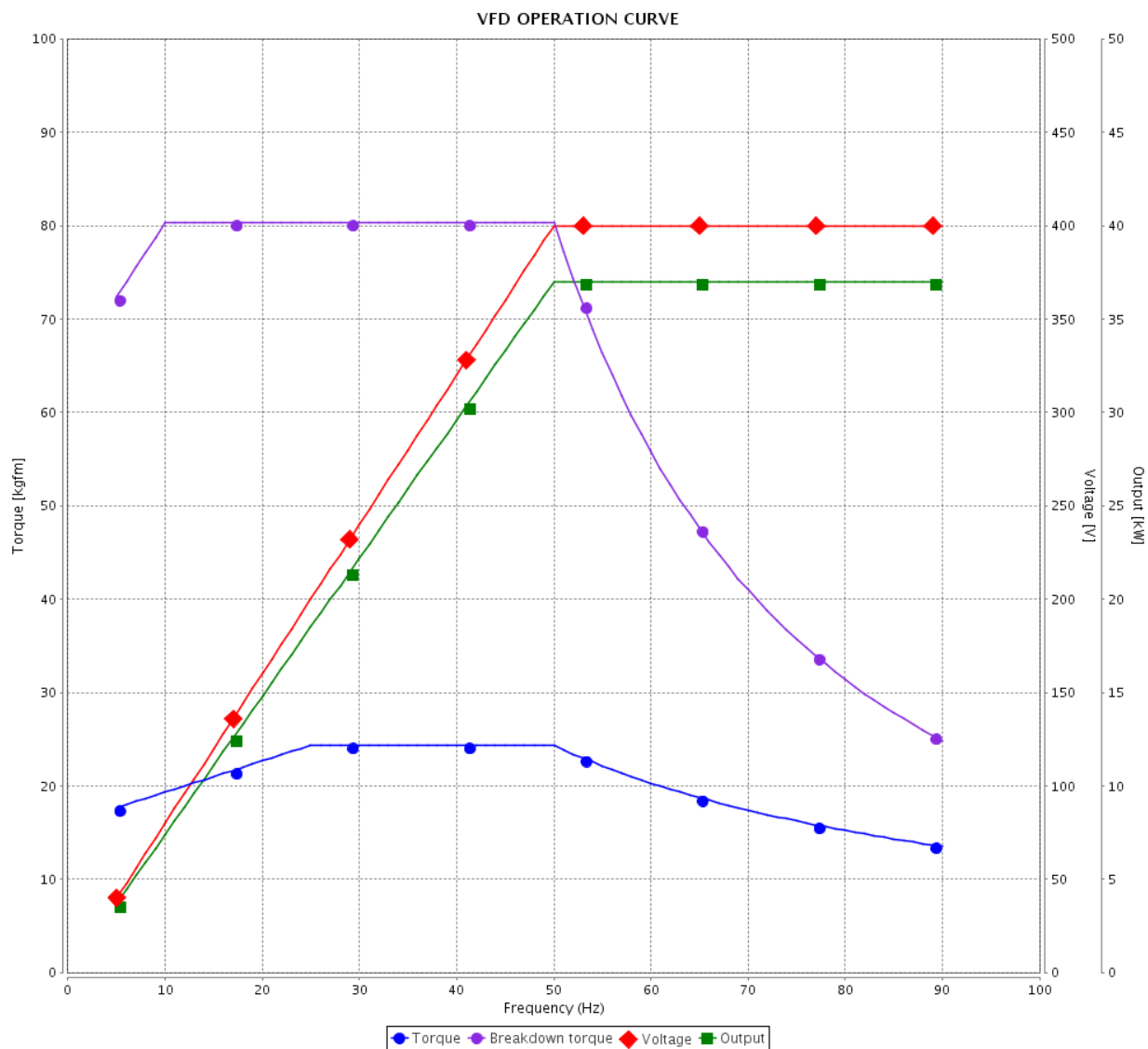
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862548



Performance : 400/690 V 50 Hz 4P

Rated current : 66.8/38.7 A
 LRC : 7.7
 Rated torque : 24.4 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 330 %
 Rated speed : 1480 rpm

Moment of inertia (J) : 0.5177 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 3 / 3		
Checked by				
Date	27/06/2019			
		Revision		