

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		: IDS	
Product line		: W22 IE3 Three-Phase	Product code : 12862390
Frame : 132S Output : 7.5 kW Poles : 2 Frequency : 50 Hz Rated voltage : 400/690 V Rated current : 14.1/8.17 A L. R. Amperes : 120/69.5 A LRC : 8.5 No load current : 5.80/3.36 A Rated speed : 2925 rpm Slip : 2.50 % Rated torque : 2.50 kgfm Locked rotor torque : 300 % Breakdown torque : 330 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0234 kgm ² Design : N	Locked rotor time : 18s (cold) 10s (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 ¹ : Both (CW and CCW) Noise level ² : 63.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 66.8 kg		
Output	50%	75%	100%
Efficiency (%)	88.5	89.8	90.3
Power Factor	0.68	0.80	0.85
Foundation loads		Max. traction : 108 kgf Max. compression : 174 kgf	
		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6308 ZZ	6207 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
Checked by			Date
Date	25/06/2019		Page 1 / 2
		Revision	

VFD OPERATION CURVE

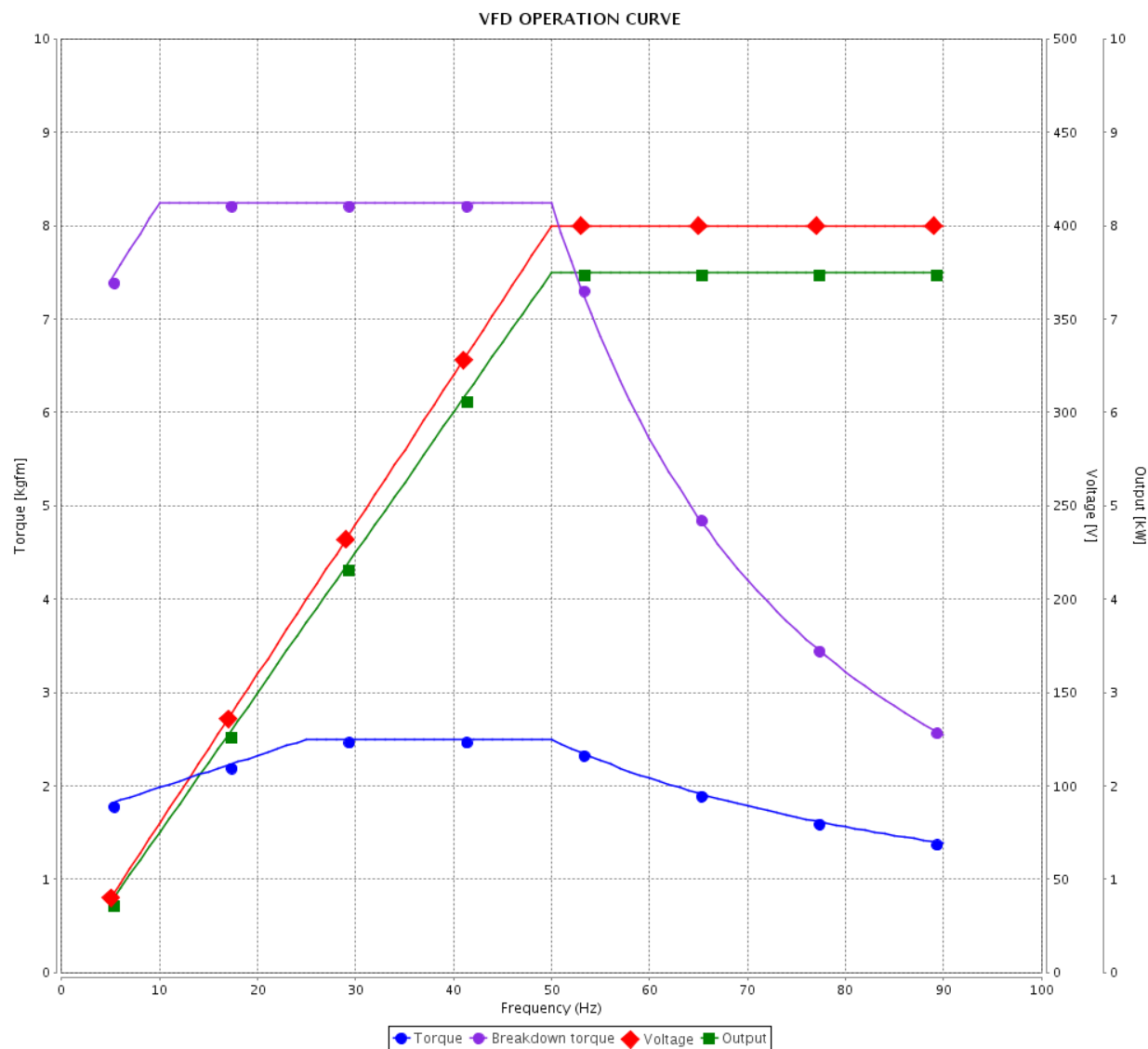
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862390



Performance : 400/690 V 50 Hz 2P

Rated current : 14.1/8.17 A
 LRC : 8.5
 Rated torque : 2.50 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 330 %
 Rated speed : 2925 rpm

Moment of inertia (J) : 0.0234 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 2 / 2
Checked by				
Date				
	25/06/2019			Revision