

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: IDS	
Product line		: W22 IE3 Three-Phase	Product code : 12862432
Frame : 112M Output : 4 kW Poles : 2 Frequency : 50 Hz Rated voltage : 400/690 V Rated current : 7.59/4.40 A L. R. Amperes : 58.4/33.9 A LRC : 7.7 No load current : 3.10/1.80 A Rated speed : 2900 rpm Slip : 3.33 % Rated torque : 1.34 kgfm Locked rotor torque : 250 % Breakdown torque : 350 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0081 kgm ² Design : N	Locked rotor time : 25s (cold) 14s (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 : 62.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 43.7 kg		
Output	50%	75%	100%
Efficiency (%)	88.0	88.4	88.4
Power Factor	0.69	0.80	0.86
Foundation loads		Max. traction : 78 kgf Max. compression : 122 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.	
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VFD OPERATION CURVE

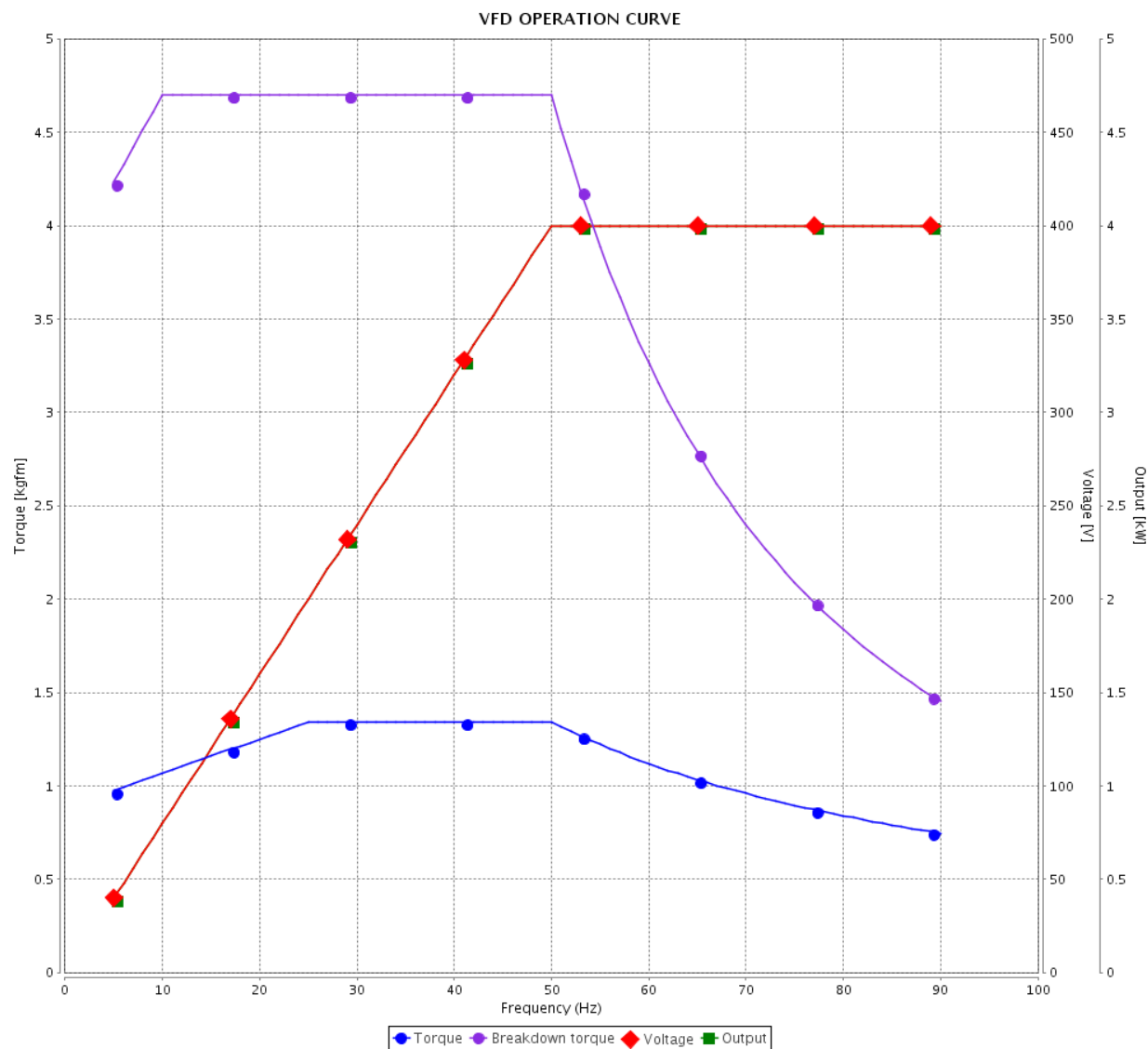
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862432



Performance : 400/690 V 50 Hz 2P

Rated current : 7.59/4.40 A
 LRC : 7.7
 Rated torque : 1.34 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 350 %
 Rated speed : 2900 rpm

Moment of inertia (J) : 0.0081 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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