

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer		: IDS	
Product line		: W22 IE3 Three-Phase	Product code : 12862434
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 <sup>2</sup> 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 : B5T Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 63.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 69.6 kg		
Output	50%	75%	100%
Efficiency (%)	88.5	89.8	90.3
Power Factor	0.68	0.80	0.85
Foundation loads		Max. traction : 106 kgf Max. compression : 176 kgf	
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		<u>Drive end</u> 6308 ZZ Oil Seal - - Mobil Polyrex EM	<u>Non drive end</u> 6207 ZZ Lip 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

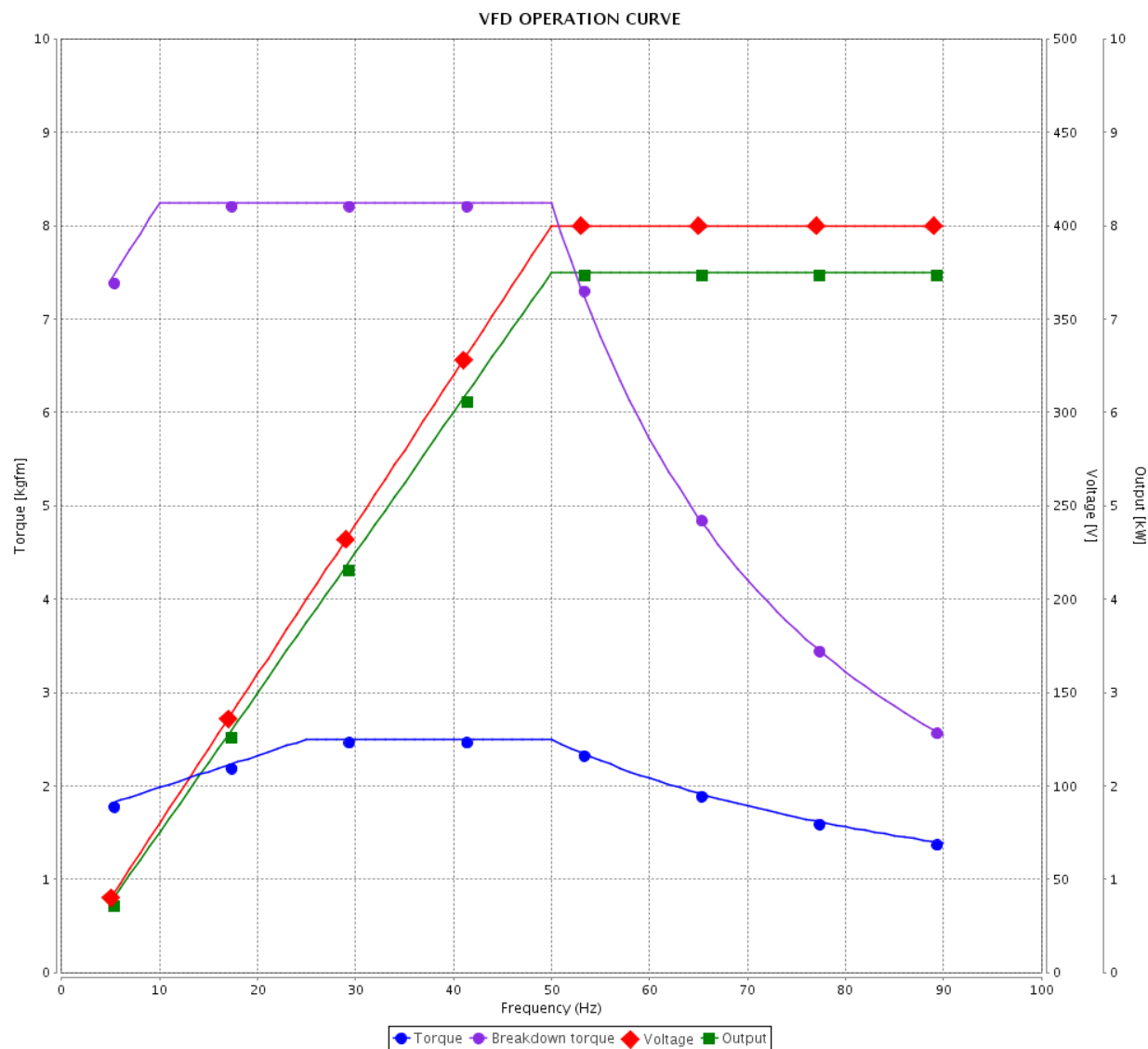
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862434



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 kgm<sup>2</sup>  
 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 / 2Revision		
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