

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : W22 IE3 Three-Phase		Product code : 12863316		
Frame : 160L Output : 7.5 kW Poles : 8 Frequency : 50 Hz Rated voltage : 400/690 V Rated current : 18.0/10.4 A L. R. Amperes : 99.0/57.4 A LRC : 5.5 No load current : 12.0/6.96 A Rated speed : 731 rpm Slip : 2.53 % Rated torque : 98.0 Nm Locked rotor torque : 220 % Breakdown torque : 250 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.2199 kgm ² Design : N		Locked rotor time : 39s (cold) 22s (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 : 51.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 157 kg		
Output	50%	75%	100%	Foundation loads Max. traction : 3313 N Max. compression : 4856 N
Efficiency (%)	86.5	88.0	88.4	
Power Factor	0.46	0.59	0.68	
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		Drive end 6309 ZZ C3 Oil Seal - - Mobil Polyrex EM		
		Non drive end 6209 ZZ C3 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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Thermal protection

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

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TORQUE AND CURRENT VS SPEED CURVE

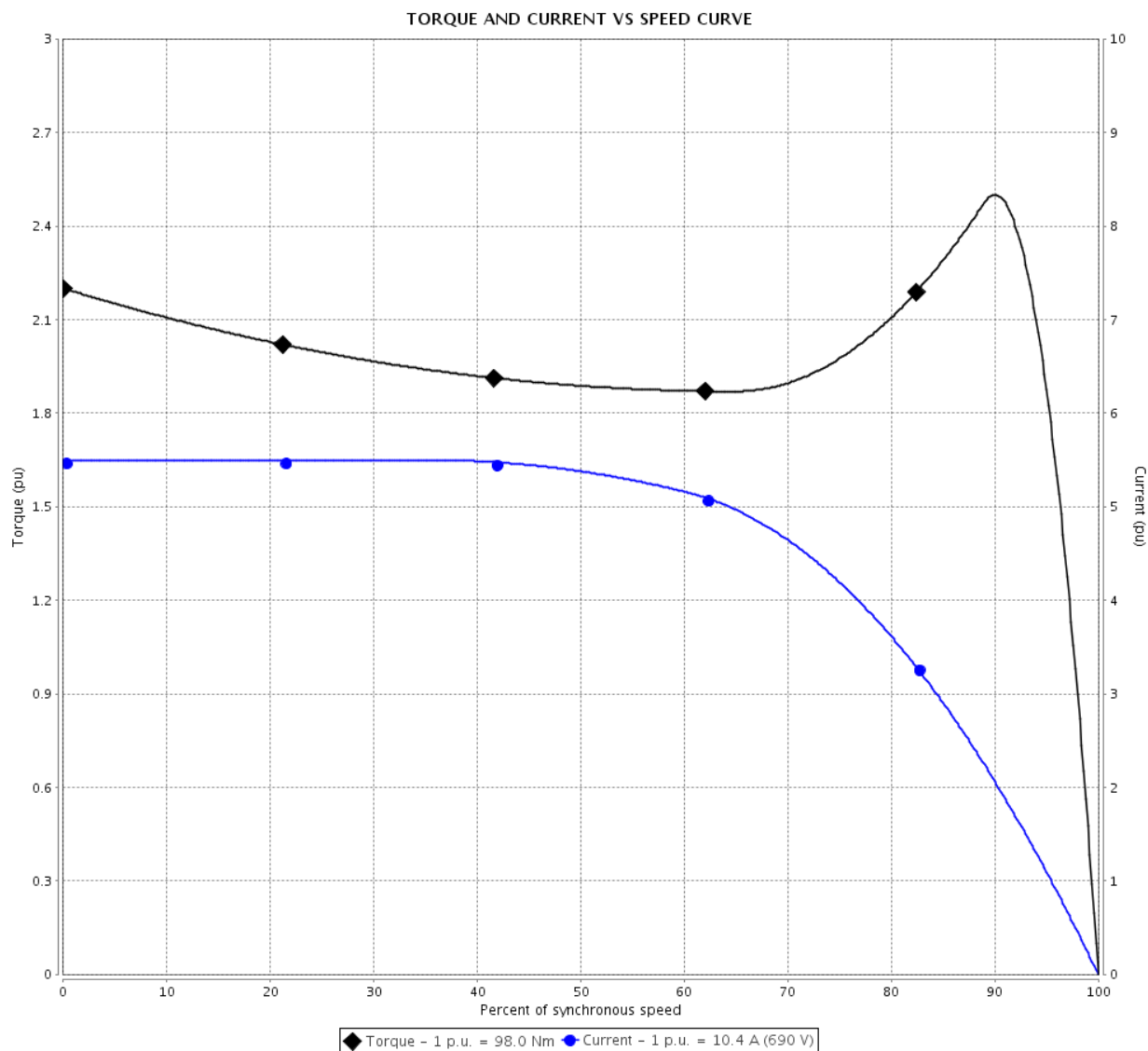
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IE3 Three-Phase

Product code : 12863316



Performance : 400/690 V 50 Hz 8P

Rated current	: 18.0/10.4 A	Moment of inertia (J)	: 0.2199 kgm ²
LRC	: 5.5	Duty cycle	: S1
Rated torque	: 98.0 Nm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 731 rpm	Design	: N

Locked rotor time : 39s (cold) 22s (hot)

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