

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Multimounting IE3 Three-Phase		Product code :		13094938	
Frame	: 100L	Locked rotor time	: 16s (cold) 9s (hot)	Output	: 3 kW (4 HP)	Temperature rise	: 80 K
Frequency	: 50 Hz	Duty cycle	: S1	Rated voltage	: 230/400 V	Ambient temperature	: -20°C to +40°C
Poles	: 2	Altitude	: 1000 m.a.s.l.	Rated current	:	Protection degree	: IP55
LRC	: 7.9	Cooling method	: IC411 - TEFC	YDESCRICAO_CORRENTE	: N	Mounting	: B5T
Rated speed	: 2905 rpm	Rotation ¹	: Both (CW and CCW)	Moment of inertia (J)	: 0.0064 kgm ²	Noise level ²	: 67.0 dB(A)
Rated torque	: 9.87 Nm	Starting method	: Direct On Line	Design	: N	Approx. weight ³	: 28.1 kg
Insulation class	: F						
Service factor	: 1.00						
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	85.0	86.5	87.1	Max. traction	: 756 N		
Power Factor	0.65	0.78	0.85	Max. compression	: 1032 N		
Losses at normative operating points (speed;torque), in percentage of rated output power							
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)	
14.9	14.0	12.8	6.9	4.9	3.1	2.2	
Bearing type			: 6206 ZZ	Non drive end			: 6205 ZZ
Sealing			: Oil Seal	Oil Seal			
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.			
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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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