

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 IE3 Three-Phase			Product code : 12881825			
Frame	: 100L			Locked rotor time	: 28s (cold) 16s (hot)	
Output	: 2.2 kW (3 HP)			Temperature rise	: 80 K	
Frequency	: 50 Hz			Duty cycle	: S1	
Rated voltage	: 230/400 V			Ambient temperature	: -20°C to +40°C	
Poles	: 4			Altitude	: 1000 m.a.s.l.	
Rated current	:			Protection degree	: IP55	
LRC	: 7.8			Cooling method	: IC411 - TEFC	
Rated speed	: 1435 rpm			Mounting	: B35T	
Rated torque	: 14.6 Nm			Rotation ¹	: Both (CW and CCW)	
Insulation class	: F			Noise level ²	: 53.0 dB(A)	
Service factor	: 1.00			Starting method	: Direct On Line	
Moment of inertia (J)	: 0.0090 kgm ²			Approx. weight ³	: 36.3 kg	
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	86.5	87.0	87.0	Max. traction : 1026 N		
Power Factor	0.59	0.72	0.79	Max. compression : 1382 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)
14.5	13.2	13.2	6.3	4.7	2.9	2.2
			<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:		6206 ZZ	6205 ZZ		
Sealing	:		Oil Seal	Lip Seal		
Lubrication interval	:		-	-		
Lubricant amount	:		-	-		
Lubricant type	:		00088			
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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