

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : W22 IE3 Three-Phase	Product code : 12932479			
Frame : 90S Insulation class : F Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : N	Cooling method : IC411 - TEFC Mounting : B5T Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ² : 21.5 kg Moment of inertia (J) : 0.0020 kgm ²			
Output [kW]	1.5			
Poles	2			
Frequency [Hz]	50			
Rated voltage [V]	220/380			
Rated current [A]	5.56/3.22			
L. R. Amperes [A]	36.2/20.9			
LRC [A]	6.5			
No load current [A]	2.42/1.40			
Rated speed [RPM]	2870			
Slip [%]	4.33			
Rated torque [Nm]	4.99			
Locked rotor torque [%]	220			
Breakdown torque [%]	270			
Service factor	1.00			
Temperature rise	80 K			
Locked rotor time	18s (cold) 10s (hot)			
Noise level ²	62.0 dB(A)			
Efficiency (%)	25%			
	50%			
	75%			
	100%			
Power Factor	25%			
	50%			
	75%			
	100%			
Losses at normative operating points (speed;torque), in percentage of rated output power				
Losses (%)	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)			
Bearing type : Drive end 6205 ZZ Non drive end 6204 ZZ Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM	Foundation loads Max. traction : 373 N Max. compression : 584 N			
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.				
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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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