

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Multimounting IE3 Three-Phase		Product code : 12397771
Frame	: 90S/L	Locked rotor time	: 27s (cold) 15s (hot)	
Output	: 1.5 kW	Temperature rise	: 80 K	
Poles	: 2	Duty cycle	: S1	
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C	
Rated voltage	: 230/400 V	Altitude	: 1000 m.a.s.l.	
Rated current	: 5.46/3.14 A	Protection degree	: IP55	
L. R. Amperes	: 43.7/25.1 A	Cooling method	: IC411 - TEFC	
LRC	: 8.0	Mounting	: B3T	
No load current	: 2.87/1.65 A	Rotation ¹	: Both (CW and CCW)	
Rated speed	: 2900 rpm	Noise level ²	: 62.0 dB(A)	
Slip	: 3.33 %	Starting method	: Direct On Line	
Rated torque	: 4.94 Nm	Approx. weight ³	: 18.4 kg	
Locked rotor torque	: 260 %			
Breakdown torque	: 350 %			
Insulation class	: F			
Service factor	: 1.00			
Moment of inertia (J)	: 0.0020 kgm ²			
Design	: N			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	83.0	84.2	84.2	Max. traction : 446 N
Power Factor	0.64	0.75	0.82	Max. compression : 627 N
		<u>Drive end</u>	<u>Non drive end</u>	
Bearing type	:	6205 ZZ	6204 ZZ	
Sealing	:	V'Ring	V'Ring	
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.				
Rev.	Changes Summary		Performed	Checked
Performed by				
Checked by				
Date	18/01/2021		Page 1 / 1	Revision