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	Rotation¹	: Both (CW and CCW)
Rated speed	: 2900 rpm	Noise level²	: 62.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 4.94 Nm	Approx. weight³	: 18.4 kg
Locked rotor torque	: 260 %		
Breakdown torque	: 350 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0020 kgm²		
Design	: N		

Output	50%	75%	100%
Efficiency (%)	83.0	84.2	84.2
Power Factor	0.64	0.75	0.82

Foundation loads

Max. traction	: 446 N
Max. compression	: 627 N

		Drive end	Non drive end
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	Date

Performed by				
Checked by			Page	Revision
Date	18/01/2021		1 / 1	

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