DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase

Product code : 12674872

Frame	: 182/4T	Locked rotor time	: 82s (cold) 46s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 4.50/2.25 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 29.3/14.6 A	Mounting	: F-1
LRC	: 6.5x(Code J)	Rotation[1]	: Both (CW and CCW)
No load current	: 2.74/1.37 A	Noise level[2]	: 52.0 dB(A)
Rated speed	: 1165 rpm	Starting method	: Direct On Line
Slip	: 2.92 %	Approx. weight[3]	: 56.8 lb
Rated torque	: 6.76 ft.lb		
Locked rotor torque	: 200 %		
Breakdown torque	: 310 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.2178 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	82.8 84.0 80.8	84.0 83.3 81.2	85.5 84.1 83.5	86.5 82.8 83.5
Power Factor	0.29 0.35 0.29	0.51 0.59 0.51	0.63 0.71 0.64	0.71 0.77 0.72

Foundation loads

Max. traction : 118 lb

Max. compression : 175 lb

		Drive end	Non drive end
Bearing type	:	6206 ZZ	6205 ZZ
Sealing	:	Without Bearing Seal	Without Bearing 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 NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	27/12/2023		1 / 1	