

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump Single-Phase Product code : 10083682

Frame	: 213JP	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 33.4-30.3/15.2 A	Protection degree	: IP54
L. R. Amperes	: 254-230/115 A	Cooling method	: IC411 - TEFC
LRC	: 7.6x(Code H)	Mounting	: F-1
No load current	: 6.04-7.00/3.50 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3515 rpm	Starting method	: Direct On Line
Slip	: 2.36 %	Approx. weight ³	: 147 lb
Rated torque	: 11.2 ft.lb		
Locked rotor torque	: 180 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.4862 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	80.9	82.0	83.0	84.0	Max. traction	: 97 lb
Power Factor	0.65	0.88	0.93	0.94	Max. compression	: 244 lb

		Drive end	Non drive end
Bearing type	:	6309 Z C3	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	15797 h	40000 h
Lubricant amount	:	13 g	0 g
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		Page 1 / 1 Revision		
Checked by				
Date	26/03/2024			