

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump Single-Phase Product code : 10562506

Frame	: 215JM	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 35.5-34.0 A	Protection degree	: IP55
L. R. Amperes	: 249-238 A	Cooling method	: IC411 - TEFC
LRC	: 7.0x(Code J)	Mounting	: F-1
No load current	: 15.2-17.6 A	Rotation ¹	: CCW
Rated speed	: 1730 rpm	Starting method	: Direct On Line
Slip	: 3.89 %	Approx. weight ³	: 159 lb
Rated torque	: 22.8 ft.lb		
Locked rotor torque	: 320 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.8804 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	76.7	78.0	82.0	83.0	Max. traction	: 228 lb
Power Factor	0.42	0.71	0.81	0.86	Max. compression	: 388 lb

		Drive end	Non drive end
Bearing type	:	6309 Z C3	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	20000 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		
Checked by				
Date	26/03/2024			
			Revision	