

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Motor Single-Phase

Product code : 10321749
Catalog # : 00718OS1F215T

Frame : 213/5T
Output : 7.5 HP (5.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 31.3/15.6 A
L. R. Amperes : 247/123 A
LRC : 7.9x(Code J)
No load current : 11.6/5.80 A
Rated speed : 1760 rpm
Slip : 2.22 %
Rated torque : 22.4 ft.lb
Locked rotor torque : 290 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.7451 sq.ft.lb

Locked rotor time : 14s (cold) 8s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP21
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : CCW
Starting method : Direct On Line
Approx. weight³ : 129 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	78.5	82.5	84.0
Power Factor	0.00	0.75	0.86	0.91

Foundation loads
Max. traction : 251 lb
Max. compression : 380 lb

	Drive end	Non drive end
Bearing type	6208 ZZ	6206 ZZ
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	0 h	0 h
Lubricant amount	0 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	25/03/2024			
		Revision		