

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase Split Phase

Product code : 13195126
Catalog # : .2518OS1BSP48-S

Frame : 48
Output : 0.25 HP (0.18 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 4.24/2.20-2.12 A
L. R. Amperes : 25.4/13.2-12.7 A
LRC : 6.0x(Code N)
No load current : 4.00/1.72-2.00 A
Rated speed : 1710 rpm
Slip : 5.00 %
Rated torque : 0.768 ft.lb
Locked rotor torque : 150 %
Breakdown torque : 220 %
Insulation class : F
Service factor : 1.35
Design : N

Locked rotor time : 0s (cold) 0s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Starting method : Direct On Line
Approx. weight³ : 11.0 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	42.0	51.0	55.0
Power Factor	0.00	0.49	0.59	0.67

Foundation loads
Max. traction : 13 lb
Max. compression : 24 lb

	Drive end	Non drive end
Bearing type	6203 ZZ	6202 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 / 1Revision		
Checked by				
Date	27/03/2024			