

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Motor Single-Phase Split Phase with Resilient Base

Product code : 11432523

Frame : C48  
 Output : 0.5 HP (0.37 kW)  
 Poles : 4  
 Frequency : 60 Hz  
 Rated voltage : 115/208-230 V  
 Rated current : 8.00/4.00-4.00 A  
 L. R. Amperes : 48.0/24.0-24.0 A  
 LRC : 6.0x(Code M)  
 No load current : 6.00/2.59-3.00 A  
 Rated speed : 1730 rpm  
 Slip : 3.89 %  
 Rated torque : 1.52 ft.lb  
 Locked rotor torque : 130 %  
 Breakdown torque : 220 %  
 Insulation class : B  
 Service factor : 1.25  
 Moment of inertia (J) : 0.0482 sq.ft.lb

Locked rotor time : 10s (cold) 6s (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  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 25.9 lb

Output	25%	50%	75%	100%
Efficiency (%)	52.3	54.5	61.0	63.5
Power Factor	0.25	0.44	0.54	0.63

Foundation loads  
 Max. traction : 24 lb  
 Max. compression : 50 lb

	Drive end	Non drive end
Bearing type	6203 ZZ	6202 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		Page 1 / 1Revision		
Checked by				
Date	28/03/2024			