

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase

Product code : 10689220

Frame : G143/5T
Output : 2 HP (1.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 21.0/10.8-10.5 A
L. R. Amperes : 145/74.5-72.5 A
LRC : 6.9x(Code K)
No load current : 12.4/5.35-6.20 A
Rated speed : 1750 rpm
Slip : 2.78 %
Rated torque : 6.00 ft.lb
Locked rotor torque : 280 %
Breakdown torque : 250 %
Insulation class : B
Service factor : 1.15
Moment of inertia (J) : 0.2133 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 : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 55.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 54.7 lb

Output	25%	50%	75%	100%
Efficiency (%)	73.4	74.0	78.0	78.1
Power Factor	0.34	0.60	0.71	0.78

Foundation loads
Max. traction : 103 lb
Max. compression : 158 lb

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type	: 6205 ZZ	: 6203 ZZ
Sealing	: V'Ring	: V'Ring
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	25/03/2024			