

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 10781717

Frame : D56J
Output : 1.5 HP (1.1 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 17.1/8.80-8.55 A
L. R. Amperes : 116/59.8-58.1 A
LRC : 6.8x(Code K)
No load current : 10.8/4.66-5.40 A
Rated speed : 3480 rpm
Slip : 3.33 %
Rated torque : 2.26 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 250 %
Insulation class : B
Service factor : 1.15
Moment of inertia (J) : 0.0593 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 : CCW
Noise level² : 55.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 36.8 lb

Output	25%	50%	75%	100%
Efficiency (%)	60.7	62.0	69.0	70.0
Power Factor	0.35	0.61	0.72	0.80

Foundation loads
Max. traction : 37 lb
Max. compression : 74 lb

	Drive end	Non drive end
Bearing type	6204 2RS	6202 2RS
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 / 1		
Checked by				
Date	27/03/2024			
		Revision		