

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 15459818

Catalog # : 00218ET3H56CFL-S

Frame : 56C
 Output : 2 HP (1.5 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 575 V
 Rated current : 2.18 A
 L. R. Amperes : 17.8 A
 LRC : 8.2x(Code K)
 No load current : 1.12 A
 Rated speed : 1745 rpm
 Slip : 3.06 %
 Rated torque : 6.02 ft.lb
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.1296 sq.ft.lb
 Design : B

Locked rotor time : 27s (cold) 15s (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 : 52.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 41.2 lb

Output	25%	50%	75%	100%
Efficiency (%)	86.0	85.5	87.5	86.5
Power Factor	0.35	0.60	0.73	0.80

Foundation loads
 Max. traction : 157 lb
 Max. compression : 198 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6204 ZZ	6202 ZZ
Sealing	:	V'Ring	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 / 1		
Checked by				
Date	27/03/2024			
			Revision	