

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12812241

Catalog # : 00336OT3E56CFL-S

Frame : 56C
 Output : 3 HP (2.2 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 230/460 V
 Rated current : 7.18/3.59 A
 L. R. Amperes : 57.4/28.7 A
 LRC : 8.0x(Code J)
 No load current : 2.60/1.30 A
 Rated speed : 3480 rpm
 Slip : 3.33 %
 Rated torque : 4.53 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.1279 sq.ft.lb
 Design : A

Locked rotor time : 16s (cold) 9s (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)
 Noise level² : 62.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 38.3 lb

Output	25%		50%		75%		100%	
Efficiency (%)	83.7	89.4	84.0	86.6	85.5	85.0	85.5	81.8
	87.7		86.2		85.9		83.9	
Power Factor	0.50	0.56	0.76	0.83	0.86	0.90	0.90	0.93
	0.48		0.76		0.86		0.91	

Foundation loads
 Max. traction : 127 lb
 Max. compression : 165 lb

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