

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 12675910

Catalog # : 00236OS3E56CFL-S

Frame : 56C
Output : 2 HP (1.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 5.64/2.82 A
L. R. Amperes : 39.5/19.7 A
LRC : 7.0x(Code J)
No load current : 2.60/1.30 A
Rated speed : 3470 rpm
Slip : 3.61 %
Rated torque : 3.03 ft.lb
Locked rotor torque : 229 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0840 sq.ft.lb
Design : A

Locked rotor time : 18s (cold) 10s (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 : 25.7 lb

Output	25%	50%	75%	100%
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Efficiency (%)	76.7	77.0	78.5	78.5
Power Factor	0.41	0.66	0.79	0.85

Foundation loads

Max. traction : 61 lb
Max. compression : 87 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:

USABLE @208V 6.24A SF 1.00 SFA 6.24A

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		