

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12809660

Catalog # : 00118OT3E56-S

Frame : 56
Output : 1 HP (0.75 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 3.14/1.57 A
L. R. Amperes : 23.9/11.9 A
LRC : 7.6x(Code L)
No load current : 2.20/1.10 A
Rated speed : 1760 rpm
Slip : 2.22 %
Rated torque : 2.98 ft.lb
Locked rotor torque : 280 %
Breakdown torque : 320 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0842 sq.ft.lb
Design : A

Locked rotor time : 30s (cold) 17s (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 : 52.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 27.1 lb

Output	25%	50%	75%	100%				
Efficiency (%)	77.3	79.9	78.5	79.6	82.5	81.4	83.5	80.6
	75.1	76.1	79.9	80.6				
Power Factor	0.27	0.33	0.49	0.58	0.63	0.72	0.72	0.80
	0.27	0.49	0.64	0.73				

Foundation loads
Max. traction : 93 lb
Max. compression : 120 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				
Checked by				
Date	27/03/2024			

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Revision