

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12809253

Catalog # : .7518OT3E56CFL-S

Frame : 56C
Output : 0.75 HP (0.55 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 2.54-2.30/1.15 A
L. R. Amperes : 18.5-16.8/8.40 A
LRC : 7.3x(Code K)
No load current : 1.38-1.60/0.800 A
Rated speed : 1760 rpm
Slip : 2.22 %
Rated torque : 2.24 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 0.0712 sq.ft.lb

Locked rotor time : 37s (cold) 21s (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 : 23.7 lb

Output	25%		50%		75%		100%	
Efficiency (%)	71.6	76.5	74.0	76.6	78.5	79.2	81.1	78.8
	72.3		73.6		77.8		78.9	
Power Factor	0.29	0.34	0.52	0.60	0.65	0.73	0.74	0.81
	0.29		0.52		0.65		0.75	

Foundation loads
Max. traction : 65 lb
Max. compression : 89 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 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	