

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12809603

Catalog # : .7536OT3E56C-S

Frame : 56C
 Output : 0.75 HP (0.55 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 2.52-2.28/1.14 A
 L. R. Amperes : 16.4-14.8/7.41 A
 LRC : 6.5x(Code J)
 No load current : 1.12-1.30/0.650 A
 Rated speed : 3485 rpm
 Slip : 3.19 %
 Rated torque : 1.13 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 280 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 0.0453 sq.ft.lb

Locked rotor time : 59s (cold) 33s (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 : 18.9 lb

Output	25%		50%		75%		100%	
Efficiency (%)	65.5	70.8	68.0	70.9	74.0	74.2	76.8	73.6
	64.3		66.0		71.6		73.2	
Power Factor	0.35	0.41	0.57	0.66	0.70	0.79	0.79	0.86
	0.30		0.55		0.69		0.79	

Foundation loads
 Max. traction : 25 lb
 Max. compression : 44 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		