

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12809663

Catalog # : 00136OT3E56C-S

Frame : 56C
 Output : 1 HP (0.75 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 230/460 V
 Rated current : 3.02/1.51 A
 L. R. Amperes : 19.3/9.66 A
 LRC : 6.4x(Code J)
 No load current : 1.60/0.800 A
 Rated speed : 3470 rpm
 Slip : 3.61 %
 Rated torque : 1.51 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 260 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 0.0517 sq.ft.lb

Locked rotor time : 41s (cold) 23s (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 : 20.5 lb

Output	25%		50%		75%		100%	
Efficiency (%)	68.3	73.8	70.0	72.9	75.5	74.9	77.0	73.2
	66.9		68.1		72.8		73.6	
Power Factor	0.37	0.43	0.60	0.69	0.73	0.82	0.81	0.89
	0.32		0.57		0.72		0.81	

Foundation loads
 Max. traction : 31 lb
 Max. compression : 51 lb

		<u>Drive end</u>	<u>Non drive end</u>
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	