

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12812242

Catalog # : 00236OT3E56CFL-S

Frame : 56C
 Output : 2 HP (1.5 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 230/460 V
 Rated current : 4.84/2.42 A
 L. R. Amperes : 43.1/21.5 A
 LRC : 8.9x(Code K)
 No load current : 1.83/0.917 A
 Rated speed : 3510 rpm
 Slip : 2.50 %
 Rated torque : 2.99 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 330 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.1151 sq.ft.lb
 Design : A

Locked rotor time : 25s (cold) 14s (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 : 34.6 lb

Output	25%		50%		75%		100%	
Efficiency (%)	83.7	86.3	84.0	85.0	85.5	85.1	85.5	83.4
	84.7		84.3		85.5		84.7	
Power Factor	0.49	0.56	0.77	0.83	0.86	0.90	0.91	0.93
	0.49		0.77		0.87		0.91	

Foundation loads
 Max. traction : 92 lb
 Max. compression : 127 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			

Page 1 / 1
 Revision