

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 13484346

Catalog # : 00158ET3E56CFL-S

Frame : 56C
 Output : 1.5 HP (1.1 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 230/460 V
 Rated current : 4.04/2.02 A
 L. R. Amperes : 33.1/16.6 A
 LRC : 8.2x(Code K)
 No load current : 2.17/1.08 A
 Rated speed : 1750 rpm
 Slip : 2.78 %
 Rated torque : 4.50 ft.lb
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.1101 sq.ft.lb
 Design : B

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.
 Protection degree : IP55
 Cooling method : IC411 - TEFC
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Noise level² : 52.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 36.2 lb

Output	25%		50%		75%		100%	
Efficiency (%)	85.2	86.1	85.5	84.7	86.5	84.7	86.5	82.7
	83.8		83.5		84.9		84.1	
Power Factor	0.35	0.41	0.59	0.67	0.72	0.78	0.79	0.84
	0.34		0.59		0.72		0.80	

Foundation loads
 Max. traction : 144 lb
 Max. compression : 180 lb

	Drive end	Non drive end
Bearing type :	6204 ZZ	6202 ZZ
Sealing :	V'Ring	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		