

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 13484340

Catalog # : 00156ET3E56CFL-S

Frame	: 56C	Locked rotor time	: 30s (cold) 17s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 3.74/1.87 A	Protection degree	: IP55
L. R. Amperes	: 34.0/17.0 A	Cooling method	: IC411 - TEFC
LRC	: 9.1x(Code L)	Mounting	: F-1
No load current	: 1.72/0.859 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3520 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 2.22 %	Starting method	: Direct On Line
Rated torque	: 2.24 ft.lb	Approx. weight ³	: 32.3 lb
Locked rotor torque	: 229 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1023 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	78.4	83.1	80.0	82.6	82.5	83.8
	81.4	81.7	84.0	83.9	84.0	82.9
Power Factor	0.44	0.49	0.71	0.77	0.82	0.87
	0.43	0.70	0.82	0.88	0.88	0.91
					Max. traction	: 71 lb
					Max. compression	: 103 lb

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