

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 13484287

Catalog # : 00118ET3E56CFL-S

Frame	: 56C	Locked rotor time	: 34s (cold) 19s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 2.94/1.47 A	Protection degree	: IP55
L. R. Amperes	: 25.3/12.6 A	Cooling method	: IC411 - TEFC
LRC	: 8.6x(Code M)	Mounting	: F-1
No load current	: 1.78/0.890 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1765 rpm	Noise level ²	: 52.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 2.98 ft.lb	Approx. weight ³	: 36.4 lb
Locked rotor torque	: 280 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1232 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	81.0	82.5	82.5	82.2	84.0	83.7	85.5	82.9	Max. traction	: 98 lb
	80.4		80.9		83.5		83.7			
Power Factor	0.30	0.36	0.52	0.62	0.66	0.74	0.75	0.81	Max. compression	: 135 lb
	0.31		0.55		0.68		0.77			

				<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				
Checked by				
Date	27/03/2024			
			Page	Revision
			1 / 1	