

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 13484363

Catalog # : 00236ET3E56C-S

Frame : 56HC
 Output : 2 HP (1.5 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 230/460 V
 Rated current : 4.94/2.47 A
 L. R. Amperes : 48.9/24.5 A
 LRC : 9.9x(Code L)
 No load current : 2.13/1.06 A
 Rated speed : 3520 rpm
 Slip : 2.22 %
 Rated torque : 2.98 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.1279 sq.ft.lb
 Design : B

Locked rotor time : 23s (cold) 13s (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 : 68.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 40.3 lb

Output	25%		50%		75%		100%	
Efficiency (%)	82.1	84.8	82.5	84.0	85.5	84.6	85.5	83.3
	83.3		83.3		84.9		84.5	
Power Factor	0.45	0.51	0.73	0.79	0.83	0.88	0.89	0.92
	0.45		0.73		0.84		0.89	

Foundation loads
 Max. traction : 101 lb
 Max. compression : 141 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				
Checked by				
Date	27/03/2024			

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 Revision