

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 12630212

Catalog # : 00158ES3E56-S

Frame : 56H
Output : 1.5 HP (1.1 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 4.46/2.23 A
L. R. Amperes : 33.5/16.7 A
LRC : 7.5x(Code K)
No load current : 3.00/1.50 A
Rated speed : 1750 rpm
Slip : 2.78 %
Rated torque : 4.50 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1037 sq.ft.lb
Design : A

Locked rotor time : 16s (cold) 9s (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 : 32.7 lb

Output	25%		50%		75%		100%	
Efficiency (%)	75.4	78.0	77.0	77.4	80.0	79.1	81.5	77.9
	72.2		73.3		77.4		78.1	
Power Factor	0.30	0.36	0.54	0.62	0.67	0.76	0.76	0.83
	0.28		0.52		0.67		0.77	

Foundation loads
Max. traction : 128 lb
Max. compression : 161 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	