

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase Product code : 12630214

Frame	: 56H	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 2 HP (1.5 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	: 5.70/2.85 A	Protection degree	: IP55
L. R. Amperes	: 41.6/20.8 A	Cooling method	: IC411 - TEFC
LRC	: 7.3x(Code K)	Mounting	: F-1
No load current	: 3.33/1.66 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1745 rpm	Noise level ²	: 52.0 dB(A)
Slip	: 3.06 %	Starting method	: Direct On Line
Rated torque	: 6.02 ft.lb	Approx. weight ³	: 37.0 lb
Locked rotor torque	: 240 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1232 sq.ft.lb		
Design	: A		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	80.0	81.5	82.5	Max. traction	: 141 lb
Power Factor	0.58	0.72	0.80	Max. compression	: 178 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:
USABLE @208V 6.30A SF 1.00 SFA 6.30A

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