

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase Product code : 12894801

Frame	: 56HC	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Poles	: 6	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	: 3.34/1.67 A	Protection degree	: IP55
L. R. Amperes	: 18.7/9.35 A	Cooling method	: IC411 - TEFC
LRC	: 5.6x(Code J)	Mounting	: F-1
No load current	: 2.30/1.15 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1145 rpm	Noise level ²	: 50.0 dB(A)
Slip	: 4.58 %	Starting method	: Direct On Line
Rated torque	: 4.59 ft.lb	Approx. weight ³	: 35.4 lb
Locked rotor torque	: 210 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1597 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	70.3	72.0	75.5	77.0	Max. traction	: 99 lb
Power Factor	0.28	0.50	0.63	0.73	Max. compression	: 135 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 3.69A SF 1.00 SFA 3.69A

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			