DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase

Product code : 13005665
Catalog # : 00118ES1BOD56C

Frame	: D56C
Output	: 1 HP (0.75 kW)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 115/208-230 V
Rated current	: 14.0/6.80-7.00 A
L. R. Amperes	: 91.0/44.2-45.5 A
LRC	: 6.5x(Code M)
No load current	: 11.5/0.000-5.75 A
Rated speed	: 1750 rpm
Slip	: 2.78 %
Rated torque	: 3.00 ft.lb
Locked rotor torque	: 320 %
Breakdown torque	: 270 %
Insulation class	: B
Service factor	: 1.15
Moment of inertia (J)	: 0.1329 sq.ft.lb

Locked rotor time	: 10s (cold) 6s (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	: 55.0 dB(A)
Starting method	: Direct On Line
Approx. weight³	: 33.7 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	60.0	67.0	70.3
Power Factor	0.00	0.45	0.56	0.65

Foundation loads

Max. traction	: 62 lb
Max. compression	: 96 lb

		Drive end	Non drive end
Bearing type	:	6204 ZZ	6202 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 g
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			Page	Revision
Date	25/03/2024		1 / 1	

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