

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line

: Motor Single-Phase

Product code :

11855146

Frame	: D56
Output	: 0.75 HP (0.55 kW)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 230 V
Rated current	: 5.40 A
L. R. Amperes	: 29.7 A
LRC	: 5.5x(Code L)
No load current	: 4.20 A
Rated speed	: 1745 rpm
Slip	: 3.06 %
Rated torque	: 2.26 ft.lb
Locked rotor torque	: 270 %
Breakdown torque	: 260 %
Insulation class	: B
Service factor	: 1.25
Moment of inertia (J)	: 0.1070 sq.ft.lb

Locked rotor time	: 7s (cold) 4s (hot)
Temperature rise	: 80 K
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP21
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation <sup>1</sup>	: Both (CW and CCW)
Noise level <sup>2</sup>	: 50.0 dB(A)
Starting method	: Direct On Line
Approx. weight <sup>3</sup>	: 25.0 lb

Output	25%	50%	75%	100%
Efficiency (%)	56.5	57.7	65.9	66.7
Power Factor	0.23	0.41	0.51	0.60

Foundation loads

Max. traction	: 45 lb
Max. compression	: 70 lb

	Drive end	Non drive end
Bearing type	: 6204 ZZ	6203 ZZ
Sealing	: Without Bearing Seal	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	28/03/2024			Page	Revision
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