

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W01 - TEFC - Premium Efficiency (DOE) Derating

Frame	: 56C	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1/B14R(D)
Duty cycle	: S1	Rotation ¹	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight ³	: 36.2 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.1424 sq.ft.lb
Design	: B		

Output	0.75 HP (0.55 kW)	0.75 HP (0.55 kW)	0.75 HP (0.55 kW)
Poles	6	6	6
Frequency	60 Hz	50 Hz	50 Hz
Rated voltage	208-230/460 V	190/380 V	220/415 V
Rated current	2.85-2.58/1.29 A	2.88/1.44 A	2.70/1.43 A
L. R. Amperes	18.5-16.8/8.39 A	15.0/7.49 A	15.9/8.44 A
LRC	6.5	5.2	5.9
No load current	1.61-1.87/0.933 A	1.84/0.921 A	1.98/1.05 A
Rated speed	1160 rpm	940 rpm	955 rpm
Slip	3.33 %	6.00 %	4.50 %
Rated torque	3.35 ft.lb	4.13 ft.lb	4.07 ft.lb
Locked rotor torque	290 %	230 %	290 %
Pull up torque	245 %	195 %	245 %
Breakdown torque	370 %	270 %	330 %
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Noise level ²	50.0 dB(A)	48.0 dB(A)	48.0 dB(A)
Locked rotor time (hot)	40 s	38 s	34 s
Locked rotor time (cold)	72 s	68 s	61 s
Efficiency (%)	50%	77.0	79.3
	75%	81.5	81.3
	100%	82.5	80.7
Power Factor	50%	0.43	0.50
	75%	0.55	0.63
	100%	0.65	0.72

Bearing type	Drive end 6203-ZZ	Non drive end 6202-ZZ	Foundation loads	
Lubrication interval	-	-	Max. traction	: 506 N
Lubricant amount	-	-	Max. compression	: 667 N
Lubricant type	MOBIL POLYREX EM		Load type	: -
			Load torque	: -
			Load inertia (J=GD ² /4)	: -

Notes
See notes on page 2.

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 be changed after manufacturing process.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	fmonroy			Page	Rev.
Checked by				1 / 2	0
Date	14/07/2026				

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Thermal protection				
ID	Application	Type	Quantity	Sensing Temperature

Notes

Standards	Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7
	Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
	Noise	: MG1 - Part 9		

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Performed by	fmonroy			Page	Rev.
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