

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 11601950

Catalog # : 70036OT3G5010S-RF

Frame : 5010/11TS
 Output : 700 HP (515 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 460 V
 Rated current : 760 A
 L. R. Amperes : 6080 A
 LRC : 8.0x(Code G)
 No load current : 205 A
 Rated speed : 3578 rpm
 Slip : 0.61 %
 Rated torque : 1030 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 280 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 78.5 sq.ft.lb

Locked rotor time : 21s (cold) 12s (hot)
 Temperature rise : 80 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Protection degree : IP23
 Cooling method : IC01 - ODP
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Noise level² : 86.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 4212 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	96.0	96.5	96.6
Power Factor	0.00	0.77	0.85	0.88

Foundation loads
 Max. traction
 Max. compression

	Drive end	Non drive end
Bearing type	6314 C4	6314 C4
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	1200 h	1200 h
Lubricant amount	10 g	10 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.

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Customer :

Space heater information

Voltage: 110-127/200-240 V

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