

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11679237

Catalog # : 60018ET3G586/7-W22

Frame : 586/7T
Output : 600 HP (440 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 665 A
L. R. Amperes : 4722 A
LRC : 7.1x(Code G)
No load current : 210 A
Rated speed : 1790 rpm
Slip : 0.56 %
Rated torque : 1760 ft.lb
Locked rotor torque : 229 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 235 sq.ft.lb

Locked rotor time : 28s (cold) 16s (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 : 78.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 4335 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	96.2	96.4	96.5
Power Factor	0.00	0.74	0.82	0.86

Foundation loads
Max. traction : 7014 lb
Max. compression : 11349 lb

	Drive end	Non drive end
Bearing type	6322 C3	6319 C3
Sealing	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	6000 h	8000 h
Lubricant amount	60 g	45 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: 200 - 240 V

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