

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 13621119

Catalog # : 30012OT3G447/9T-W40

Frame : 447/9T
Output : 300 HP (220 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 365 A
L. R. Amperes : 2446 A
LRC : 6.7x(Code H)
No load current : 174 A
Rated speed : 1190 rpm
Slip : 0.83 %
Rated torque : 1320 ft.lb
Locked rotor torque : 240 %
Breakdown torque : 280 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 131 sq.ft.lb
Design : A

Locked rotor time : 32s (cold) 18s (hot)
Temperature rise : 105 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 : 79.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 2370 lb

Output	50%	75%	100%
Efficiency (%)	95.4 94.9 94.9 94.7 95.0 95.0 95.0	95.8 95.1 95.3 95.3 95.0 95.4 95.4	95.8 95.6 95.6 95.6 94.5 95.0 95.4
Power Factor	0.62 0.58 0.52 0.48 0.63 0.58 0.53	0.73 0.71 0.66 0.62 0.75 0.70 0.67	0.79 0.78 0.74 0.71 0.80 0.77 0.74

Foundation loads
Max. traction : 10481 lb

Max. compression : 12852 lb

	Drive end	Non drive end
Bearing type :	6319 C3	6314 C3
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	20000 h	20000 h
Lubricant amount :	45 g	27 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 :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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