

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 16065409

Catalog # : 20036OT3G444TS-RFVFD

Frame : 444/5TS
Output : 200 HP (150 kW)
Poles : 2
Frequency : 50 Hz
Rated voltage : 380 V
Rated current : 279 A
L. R. Amperes : 2093 A
LRC : 7.5x(Code H)
No load current : 76.0 A
Rated speed : 2970 rpm
Slip : 1.00 %
Rated torque : 354 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 28.5 sq.ft.lb
Design : A

Locked rotor time : 52s (cold) 29s (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 : 85.0 dB(A)
Starting method : VFD
Approx. weight³ : 1535 lb

Output	25%	50%	75%	100%			
Efficiency (%)	0.000	94.2	94.3	94.6	94.8	95.0	95.0
Power Factor	0.00	0.00	0.78	0.73	0.84	0.81	0.86

Foundation loads
Max. traction : 1660 lb
Max. compression : 3195 lb

	Drive end	Non drive end
Bearing type	6314 C4	6212 Z 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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