

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 Explosion Proof NEMA Premium
Efficiency Three-Phase

Product code : 14356576

Catalog # : 35036XT3G449TS

Frame : 449TS
Output : 350 HP (260 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 379 A
L. R. Amperes : 3297 A
LRC : 8.7x(Code J)
No load current : 97.0 A
Rated speed : 3575 rpm
Slip : 0.69 %
Rated torque : 514 ft.lb
Locked rotor torque : 280 %
Breakdown torque : 340 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 68.1 sq.ft.lb
Design : A

Locked rotor time : 25s (cold) 14s (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 : 84.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 3639 lb

Output	25%	50%	75%	100%					
Efficiency (%)	94.9	94.9	95.0	95.0	95.8	95.4	95.8	95.4	95.8
Power Factor	0.58	0.60	0.82	0.83	0.88	0.88	0.90	0.90	0.89

Foundation loads
Max. traction : 3536 lb
Max. compression : 7175 lb

	Drive end	Non drive end
Bearing type	6314 C3	6314 C3
Sealing	Viton Oil Seal	Viton Seal
Lubrication interval	3604 h	3604 h
Lubricant amount	27 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	Thermostat - 2 wires	1 x Phase	155 °C

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