

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 12408385

Catalog # : 35012XT3G586/7

Frame : 586/7T  
Output : 350 HP (260 kW)  
Poles : 6  
Frequency : 60 Hz  
Rated voltage : 460 V  
Rated current : 421 A  
L. R. Amperes : 2526 A  
LRC : 6.0x(Code G)  
No load current : 170 A  
Rated speed : 1192 rpm  
Slip : 0.67 %  
Rated torque : 1540 ft.lb  
Locked rotor torque : 190 %  
Breakdown torque : 210 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 328 sq.ft.lb  
Design : B

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 : IP55  
Cooling method : IC411 - TEFC  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 77.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 4387 lb

Output	25%		50%		75%		100%	
Efficiency (%)	95.3	95.7	95.4	95.4	95.8	95.8	95.8	95.4
	95.3	94.6	95.4	95.0	95.8	95.4	95.8	95.8
Power Factor	0.42	0.44	0.67	0.68	0.77	0.78	0.81	0.81
	0.40	0.37	0.64	0.61	0.75	0.73	0.80	0.78

Foundation loads  
Max. traction : 5746 lb  
Max. compression : 10126 lb

	Drive end	Non drive end
Bearing type	6322 C3	6319 C3
Sealing	Viton Oil Seal	Viton Seal
Lubrication interval	9212 h	11094 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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			Revision	

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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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