

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 Explosion Proof High Efficiency Three-Phase Product code : 11956039

Frame	: 586/7T	Locked rotor time	: 126s (cold) 70s (hot)
Output	: 300 HP (220 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 355 A	Protection degree	: IP55
L. R. Amperes	: 2166 A	Cooling method	: IC411 - TEFC
LRC	: 6.1x(Code G)	Mounting	: F-1
No load current	: 113 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1190 rpm	Noise level ²	: 77.0 dB(A)
Slip	: 0.83 %	Starting method	: Direct On Line
Rated torque	: 1320 ft.lb	Approx. weight ³	: 4253 lb
Locked rotor torque	: 180 %		
Breakdown torque	: 200 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 277 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	93.0	93.6	94.5	95.0	Max. traction	: 3397 lb
Power Factor	0.49	0.72	0.80	0.82	Max. compression	: 7650 lb

		Drive end	Non drive end
Bearing type	:	6322 C3	6319 C3
Sealing	:	00068	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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Customer :

Thermal protection

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

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