

Three Phase Induction Motor - Squirrel Cage



Product code : 13571382
Catalog # : 30018OP3GFP447/9TSW4

Frame	: 447/9TS	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 300 HP (220 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 337 A	Protection degree	: IP23
L. R. Amperes	: 2022 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code F)	Mounting	: F-1
No load current	: 95.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1780 rpm	Noise level ²	: 77.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 885 ft.lb	Approx. weight ³	: 1923 lb
Locked rotor torque	: 220 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 56.1 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	95.1	95.8	95.3	95.4	Max. traction : 5166 lb
	95.2	94.9	95.0	95.0	
Power Factor	0.54	0.55	0.78	0.79	Max. compression : 7089 lb
	0.51	0.49	0.75	0.76	
	0.83	0.84	0.86	0.87	

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type	6314 C3	6314 C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 h
Lubricant amount	27 g	27 g
Lubricant type	Mobil Polyrex EM	

Notes:

- (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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DATA SHEET

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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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