

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP Standard Efficiency Three-Phase Product code : 11158565

Frame	: 444/5T	Locked rotor time	: 79s (cold) 44s (hot)
Output	: 100 HP (75 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 281-254/127 A	Protection degree	: IP23
L. R. Amperes	: 1601-1448/724 A	Cooling method	: IC01 - ODP
LRC	: 5.7x(Code G)	Mounting	: F-2
No load current	: 124-112/56.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1130 rpm	Noise level ²	: 77.0 dB(A)
Slip	: 5.83 %	Starting method	: Direct On Line
Rated torque	: 465 ft.lb	Approx. weight ³	: 1543 lb
Locked rotor torque	: 280 %		
Breakdown torque	: 0 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 81.8 sq.ft.lb		
Design	: D		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	89.1	89.7	90.0	90.2	Max. traction : -771 lb
Power Factor	0.40	0.64	0.75	0.82	Max. compression : 771 lb

	Drive end	Non drive end
Bearing type	: NU-319 C3	6316 C3
Sealing	: Without Bearing Seal	Without Bearing Seal
Lubrication interval	: 20000 h	20000 h
Lubricant amount	: 45 g	34 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 2 Revision		
Checked by				
Date	26/03/2024			

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Customer :

Thermal protection

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

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 2 / 2Revision	
Checked by					
Date	26/03/2024				