

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xec Medium Voltage Three-Phase Product code : 13298587
Catalog # : 20012ET3XL449-W22MV

Frame	: L447/9T	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 200 HP (150 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 2300 V	Altitude	: 1000 m.a.s.l.
Rated current	: 51.6 A	Protection degree	: IP55
L. R. Amperes	: 310 A	Cooling method	: IC411 - TEFC
LRC	: 6.0x(Code G)	Mounting	: F-1
No load current	: 24.3 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1185 rpm	Noise level ²	: 71.0 dB(A)
Slip	: 1.25 %	Starting method	: VFD
Rated torque	: 886 ft.lb	Approx. weight ³	: 2975 lb
Locked rotor torque	: 150 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 114 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%	Foundation loads				
Efficiency (%)	0.000	92.8	92.8	93.6	93.6	93.6	93.6	Max. traction : 3942 lb	
	0.000								
Power Factor	0.00	0.00	0.63	0.59	0.73	0.70	0.78	0.76	Max. compression : 6917 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6322 C3	6319 C3
Sealing	:	Inpro/Seal	Inpro/Seal
Lubrication interval	:	11000 h	13000 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	PT100 - 3 wires	2 x Phase	-
2	DE bearing	PT100 - 3 wires	1 x Bearing	-
3	NDE bearing	PT100 - 3 wires	1 x Bearing	-

Space heater information

Voltage: 110 - 127 V

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