

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13500588

Catalog # : 15009ET3GKD447T-W22

Frame : 445/7T
 Output : 150 HP (110 kW)
 Poles : 8
 Frequency : 60 Hz
 Rated voltage : 460 V
 Rated current : 187 A
 L. R. Amperes : 1216 A
 LRC : 6.5x(Code H)
 No load current : 85.0 A
 Rated speed : 890 rpm
 Slip : 1.11 %
 Rated torque : 885 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 229 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 126 sq.ft.lb
 Design : A

Locked rotor time : 27s (cold) 15s (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
 Rotation¹ : Both (CW and CCW)
 Noise level² : 63.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 2287 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	94.5	94.5	94.5
Power Factor	0.00	0.64	0.73	0.78

Foundation loads
 Max. traction : 4283 lb
 Max. compression : 6570 lb

	Drive end	Non drive end
Bearing type	NU-319 C3	6316 C3
Sealing	WSeal	WSeal
Lubrication interval	15000 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.

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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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