

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13503282

Catalog # : 07509ET3GKD444T-W22

Frame : 444/5T
Output : 75 HP (55 kW)
Poles : 8
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 93.0 A
L. R. Amperes : 558 A
LRC : 6.0x(Code G)
No load current : 40.0 A
Rated speed : 890 rpm
Slip : 1.11 %
Rated torque : 443 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 210 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 73.6 sq.ft.lb
Design : A

Locked rotor time : 32s (cold) 18s (hot)
Temperature rise : 80 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 : 1444 lb

Output	25%	50%	75%	100%
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Efficiency (%)	0.000	93.0	93.6	93.6
Power Factor	0.00	0.64	0.74	0.79

Foundation loads

Max. traction : 1755 lb
Max. compression : 3199 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 1		
Checked by				
Date	27/03/2024			
		Revision		