

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency
Three-Phase

Product code : 11792548

Catalog # : 15012EG3G449T-W22

Frame	: 447/9T	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight ²	: 2895 lb
Protection degree	: IP55	Moment of inertia (J)	: 145 sq.ft.lb
Design	: A		

Output [HP]	150	150	150	150
Poles	6	6	6	6
Frequency [Hz]	60	50	50	50
Rated voltage [V]	460	380	400	415
Rated current [A]	179	211	205	200
L. R. Amperes [A]	1343	1329	1394	1440
LRC [A]	7.5x(Code J)	6.3x(Code G)	6.8x(Code H)	7.2x(Code H)
No load current [A]	86.0	85.0	91.0	95.0
Rated speed [RPM]	1190	990	990	990
Slip [%]	0.83	1.00	1.00	1.00
Rated torque [ft.lb]	653	785	785	785
Locked rotor torque [%]	260	200	229	250
Breakdown torque [%]	320	260	290	320
Service factor	1.25	1.25	1.15	1.15
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	39s (cold) 22s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)
Noise level ²	70.0 dB(A)			
Efficiency (%)	25%	94.5	94.9	95.3
	50%	95.0	95.0	95.4
	75%	95.8	95.4	95.8
	100%	96.2	95.4	95.8
Power Factor	25%	0.37	0.43	0.40
	50%	0.62	0.68	0.65
	75%	0.74	0.78	0.76
	100%	0.80	0.83	0.81

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type	: 6322 C3	6319 C3	Max. traction : 5340 lb
Sealing	: WSeal	WSeal	Max. compression : 8235 lb
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	24/01/2018			
			Page	Revision
			1 / 1	