

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency Three-Phase Product code : 11792555
Catalog # : 25018EG3G449T-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 : 2882 lb
Protection degree : IP55	Moment of inertia (J) : 104 sq.ft.lb
Design : A	

Output [HP]	250	250	250	250
Poles	4	4	4	4
Frequency [Hz]	60	50	50	50
Rated voltage [V]	460	380	400	415
Rated current [A]	286	340	327	318
L. R. Amperes [A]	2145	2040	2126	2194
LRC [A]	7.5x(Code H)	6.0x(Code F)	6.5x(Code G)	6.9x(Code H)
No load current [A]	120	120	125	130
Rated speed [RPM]	1785	1480	1485	1485
Slip [%]	0.83	1.33	1.00	1.00
Rated torque [ft.lb]	726	875	872	872
Locked rotor torque [%]	270	210	229	250
Breakdown torque [%]	290	229	260	280
Service factor	1.25	1.25	1.15	1.15
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	37s (cold) 21s (hot)	39s (cold) 22s (hot)	39s (cold) 22s (hot)	39s (cold) 22s (hot)
Noise level ²	75.0 dB(A)	71.0 dB(A)	71.0 dB(A)	71.0 dB(A)
Efficiency (%)	25%	95.8	95.7	96.1
	50%	96.2	95.8	96.2
	75%	96.5	96.2	96.4
	100%	96.8	96.2	96.4
Power Factor	25%	0.42	0.48	0.43
	50%	0.68	0.74	0.69
	75%	0.78	0.82	0.79
	100%	0.84	0.86	0.84

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type :	6322 C3	6319 C3	Max. traction : 5158 lb
Sealing :	WSeal	WSeal	Max. compression : 8040 lb
Lubrication interval :	6000 h	8000 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			

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Revision