

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency Three-Phase Product code : 11792062
Catalog # : 01036EG3E215T-W22

Frame : 213/5T	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 : 183 lb
Protection degree : IP55	Moment of inertia (J) : 0.7185 sq.ft.lb
Design : A	

Output [HP]	10	10	10	10
Poles	2	2	2	2
Frequency [Hz]	60	50	50	50
Rated voltage [V]	230/460	380	400	415
Rated current [A]	23.0/11.5	13.8	13.1	12.8
L. R. Amperes [A]	184/92.0	101	103	108
LRC [A]	8.0x(Code J)	7.3x(Code H)	7.9x(Code J)	8.4x(Code J)
No load current [A]	8.40/4.20	4.00	4.30	4.60
Rated speed [RPM]	3535	2920	2925	2930
Slip [%]	1.81	2.67	2.50	2.33
Rated torque [ft.lb]	14.7	17.7	17.7	17.7
Locked rotor torque [%]	240	190	210	229
Breakdown torque [%]	320	240	280	300
Service factor	1.25	1.25	1.15	1.15
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	61s (cold) 34s (hot)	37s (cold) 21s (hot)	37s (cold) 21s (hot)	37s (cold) 21s (hot)
Noise level ²	72.0 dB(A)	67.0 dB(A)	67.0 dB(A)	67.0 dB(A)
Efficiency (%)	25%	88.6	89.9	90.8
	50%	89.5	90.2	91.0
	75%	91.0	91.0	91.5
	100%	91.7	91.0	91.5
Power Factor	25%	0.50	0.56	0.52
	50%	0.77	0.81	0.78
	75%	0.85	0.88	0.87
	100%	0.89	0.91	0.90

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type :	6308 ZZ	6207 ZZ	Max. traction : 211 lb
Sealing :	V'Ring	V'Ring	Max. compression : 395 lb
Lubrication interval :	-	-	
Lubricant amount :	-	-	
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 1 / 1
Revision