

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency Three-Phase Product code : 11791967
Catalog # : 00236EG3E145T-W22

Frame : 143/5T	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 : 52.9 lb
Protection degree : IP55	Moment of inertia (J) : 0.0610 sq.ft.lb
Design : A	

Output [HP]	2	2	2	2
Poles	2	2	2	2
Frequency [Hz]	60	50	50	50
Rated voltage [V]	230/460	380	400	415
Rated current [A]	5.12/2.56	3.05	2.92	2.84
L. R. Amperes [A]	42.0/21.0	21.0	21.9	22.7
LRC [A]	8.2x(Code K)	6.9x(Code H)	7.5x(Code J)	8.0x(Code K)
No load current [A]	2.20/1.10	1.00	1.10	1.20
Rated speed [RPM]	3490	2855	2870	2880
Slip [%]	3.06	4.83	4.33	4.00
Rated torque [ft.lb]	2.97	3.63	3.61	3.60
Locked rotor torque [%]	320	280	320	350
Breakdown torque [%]	360	310	350	380
Service factor	1.25	1.25	1.15	1.15
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	41s (cold) 23s (hot)	28s (cold) 16s (hot)	28s (cold) 16s (hot)	28s (cold) 16s (hot)
Noise level ²	68.0 dB(A)	62.0 dB(A)	62.0 dB(A)	62.0 dB(A)
Efficiency (%)	25%	85.1	84.6	85.1
	50%	85.5	85.0	85.5
	75%	87.5	86.0	86.5
	100%	87.5	86.0	86.5
Power Factor	25%	0.43	0.50	0.43
	50%	0.69	0.74	0.69
	75%	0.80	0.83	0.80
	100%	0.84	0.87	0.85

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type :	6205 ZZ	6204 ZZ	Max. traction : 94 lb
Sealing :	V'Ring	V'Ring	Max. compression : 147 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