

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting High Efficiency
Three-Phase

Product code : 13982686

Catalog # : .1836EP3EAL63-W22

Frame	: 63	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: B3L(E)
Duty cycle	: 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	: 0.0 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.0029 sq.ft.lb
Design	: N		

Output [HP]	0.25	0.25	0.25	0.25
Poles	2	2	2	2
Frequency [Hz]	60	50	50	50
Rated voltage [V]	230/460	380	400	415
Rated current [A]	0.950/0.475	0.503	0.513	0.534
L. R. Amperes [A]	4.75/2.37	2.21	2.26	2.35
LRC [A]	5.0	4.4	4.4	4.4
No load current [A]	0.720/0.360	0.360	0.410	0.450
Rated speed [RPM]	3310	2700	2730	2760
Slip [%]	8.06	10.00	9.00	8.00
Rated torque [ft.lb]	0.391	0.480	0.474	0.469
Locked rotor torque [%]	300	220	250	280
Breakdown torque [%]	310	229	254	280
Service factor	1.15	1.00	1.00	1.00
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)
Noise level ²	56.0 dB(A)	52.0 dB(A)	52.0 dB(A)	52.0 dB(A)
Efficiency (%)	25%	55.4	59.9	57.7
	50%	58.0	62.0	60.0
	75%	65.0	66.0	65.0
	100%	68.0	68.0	67.5
Power Factor	25%	0.28	0.33	0.29
	50%	0.48	0.58	0.53
	75%	0.60	0.70	0.65
	100%	0.70	0.80	0.75

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads	
Bearing type	: 6201 ZZ	6201 ZZ	Max. traction	: 16 lb
Sealing	: Oil Seal	Oil Seal	Max. compression	: 16 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	22/01/2018			
			Page	Revision
			1 / 1	