

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting High Efficiency
Three-Phase

Product code : 13982726

Catalog # : .2536EP3EAL63-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)	: 0.0038 sq.ft.lb
Design	: N		

Output [HP]	0.33	0.33	0.33	0.33
Poles	2	2	2	2
Frequency [Hz]	60	50	50	50
Rated voltage [V]	230/460	380	400	415
Rated current [A]	1.26/0.628	0.682	0.682	0.694
L. R. Amperes [A]	6.78/3.39	3.14	3.14	3.19
LRC [A]	5.4	4.6	4.6	4.6
No load current [A]	0.900/0.450	0.450	0.500	0.550
Rated speed [RPM]	3350	2700	2730	2760
Slip [%]	6.94	10.00	9.00	8.00
Rated torque [ft.lb]	0.510	0.633	0.626	0.619
Locked rotor torque [%]	330	250	265	280
Breakdown torque [%]	340	260	280	300
Service factor	1.15	1.00	1.00	1.00
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	39s (cold) 22s (hot)	39s (cold) 22s (hot)	39s (cold) 22s (hot)	39s (cold) 22s (hot)
Noise level ²	56.0 dB(A)	52.0 dB(A)	52.0 dB(A)	52.0 dB(A)
Efficiency (%)	25%	59.7	63.2	61.9
	50%	62.0	65.0	64.0
	75%	67.0	68.0	67.5
	100%	69.4	69.6	69.6
Power Factor	25%	0.28	0.32	0.29
	50%	0.50	0.56	0.52
	75%	0.62	0.70	0.66
	100%	0.72	0.80	0.76

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