

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting IE3 Three-Phase Product code : 13984842
Catalog # : 00736ET3YAL132S-W22

Frame : 132S	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 ³ : 136 lb
Protection degree : IP55	Moment of inertia (J) : 0.5980 sq.ft.lb
Design : N	

Output [HP]	10	10	10	10
Poles	2	2	2	2
Frequency [Hz]	60	50	50	50
Rated voltage [V]	460	380	400	415
Rated current [A]	12.3	14.3	13.9	13.8
L. R. Amperes [A]	112	122	118	117
LRC [A]	9.1	8.5	8.5	8.5
No load current [A]	4.50	5.60	6.20	6.90
Rated speed [RPM]	3535	2925	2935	2940
Slip [%]	1.81	2.50	2.17	2.00
Rated torque [ft.lb]	14.7	17.7	17.7	17.6
Locked rotor torque [%]	330	260	300	330
Breakdown torque [%]	440	300	340	370
Service factor	1.25	1.00	1.00	1.00
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	37s (cold) 21s (hot)	30s (cold) 17s (hot)	30s (cold) 17s (hot)	30s (cold) 17s (hot)
Noise level ²	67.0 dB(A)	67.0 dB(A)	67.0 dB(A)	67.0 dB(A)
Efficiency (%)	25%	85.6	89.3	88.6
	50%	86.5	89.6	89.1
	75%	89.5	90.6	90.5
	100%	90.2	90.6	90.8
Power Factor	25%	0.45	0.47	0.42
	50%	0.68	0.74	0.69
	75%	0.79	0.84	0.80
	100%	0.85	0.88	0.86

	<u>Drive end</u>	<u>Non drive end</u>	
Bearing type :	6308 ZZ	6207 ZZ	Foundation loads
Sealing :	V'Ring	V'Ring	Max. traction : 304 lb
Lubrication interval :	-	-	Max. compression : 441 lb
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			

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Revision