

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 11567434
Catalog # : 05518ET3Y250S/M-W22

Frame : 250S/M	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 : m.a.s.l.	Approx. weight ² : lb
Protection degree : IP55	Moment of inertia (J) : sq.ft.lb
Design : N	

Output [HP]				
Poles				
Frequency [Hz]				
Rated voltage [V]				
Rated current [A]	85.1	100	96.9	94.4
L. R. Amperes [A]	698	790	766	746
LRC [A]				
No load current [A]				
Rated speed [RPM]				
Slip [%]	1.11	1.67	1.33	1.33
Rated torque [ft.lb]	218	263	263	263
Locked rotor torque [%]				
Breakdown torque [%]	310	229	250	270
Service factor				
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time				
Noise level ²	68.0 dB(A)	64.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Efficiency (%)	25%	92.7	94.4	94.2
	50%	93.6	94.7	94.6
	75%	94.5	94.9	95.0
	100%	95.4	95.1	95.3
Power Factor	25%	0.44	0.50	0.47
	50%	0.67	0.75	0.71
	75%	0.79	0.83	0.81
	100%	0.85	0.88	0.86

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type :	6314 C3	6314 C3	Max. traction : 1585 lb
Sealing :	WSeal	WSeal	Max. compression : 2728 lb
Lubrication interval :	12000 h	12000 h	
Lubricant amount :	27 g	27 g	
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
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