

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 11567693
Catalog # : 03018ET3Y200L-W22

Frame : 200L	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 : 569 lb
Protection degree : IP55	Moment of inertia (J) : 8.23 sq.ft.lb
Design : N	

Output [HP]	40	40	40	40
Poles	4	4	4	4
Frequency [Hz]	60	50	50	50
Rated voltage [V]	460	380	400	415
Rated current [A]	49.4	57.7	56.1	55.4
L. R. Amperes [A]	405	421	410	404
LRC [A]	8.2	7.3	7.3	7.3
No load current [A]	24.2	25.2	28.0	30.4
Rated speed [RPM]	1780	1480	1480	1480
Slip [%]	1.11	1.33	1.33	1.33
Rated torque [ft.lb]	116	140	140	140
Locked rotor torque [%]	300	220	250	270
Breakdown torque [%]	360	270	300	330
Service factor	1.25	1.00	1.00	1.00
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	34s (cold) 19s (hot)	28s (cold) 16s (hot)	28s (cold) 16s (hot)	28s (cold) 16s (hot)
Noise level ²	66.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)
Efficiency (%)	25%	90.6	92.9	92.1
	50%	91.7	93.3	92.8
	75%	93.0	93.8	93.6
	100%	94.1	94.1	94.2
Power Factor	25%	0.38	0.42	0.38
	50%	0.63	0.69	0.64
	75%	0.75	0.79	0.75
	100%	0.81	0.84	0.82

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type :	6312 C3	6212 C3	Max. traction : 1510 lb
Sealing :	V'Ring	V'Ring	Max. compression : 2079 lb
Lubrication interval :	20000 h	20000 h	
Lubricant amount :	21 g	13 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			

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Revision