

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 True Metric IE3 Three-Phase Product code : 13512032
Catalog # : 30018ET3Y355M/L-W22

Frame : 355M/L	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 : 4405 lb
Protection degree : IP55	Moment of inertia (J)
Design : N	

Output [HP]	400	400	400	400
Poles	4	4	4	4
Frequency [Hz]	50	50	50	60
Rated voltage [V]	380	400	415	460
Rated current [A]	551	530	510	466
L. R. Amperes [A]	3306	3498	3672	3355
LRC [A]	6.0	6.6	7.2	7.2
No load current [A]	144	154	162	147
Rated speed [RPM]	1490	1490	1490	1790
Slip [%]	0.67	0.67	0.67	0.56
Rated torque [ft.lb]	1390	1390	1390	1160
Locked rotor torque [%]	190	220	229	240
Breakdown torque [%]	190	220	229	240
Service factor	1.00	1.00	1.00	1.00
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	52s (cold) 29s (hot)	52s (cold) 29s (hot)	48s (cold) 27s (hot)	54s (cold) 30s (hot)
Noise level ²	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)	78.0 dB(A)
Efficiency (%)	25%	95.7	95.7	95.7
	50%	95.8	95.8	95.8
	75%	96.2	96.2	96.2
	100%	96.2	96.2	96.2
Power Factor	25%	0.55	0.52	0.49
	50%	0.78	0.76	0.74
	75%	0.84	0.83	0.81
	100%	0.86	0.85	0.84

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type :	6322 C3	6319 C3	Max. traction : 3349 lb
Sealing :	WSeal	WSeal	Max. compression : 7754 lb
Lubrication interval :	6000 h	8000 h	
Lubricant amount :	60 g	45 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