

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 True Metric IE3 Three-Phase Product code : 13471123  
Catalog # : 26018ET3Y355M/L-W22

Frame : 355M/L	Cooling method : IC411 - TEFC
Insulation class : F	Mounting : B3L(E)
Duty cycle : S1	Rotation <sup>1</sup> : Both (CW and CCW)
Ambient temperature : -20°C to +40°C	Starting method : Direct On Line
Altitude : 1000 m.a.s.l.	Approx. weight <sup>3</sup> : 3911 lb
Protection degree : IP55	Moment of inertia (J) : 204 sq.ft.lb
Design : N	

Output [HP]	350	350	350	350
Poles	4	4	4	4
Frequency [Hz]	60	50	50	50
Rated voltage [V]	460	380	400	415
Rated current [A]	399	475	456	444
L. R. Amperes [A]	3112	3468	3329	3241
LRC [A]	7.8	7.3	7.3	7.3
No load current [A]	147	141	150	160
Rated speed [RPM]	1790	1490	1490	1490
Slip [%]	0.56	0.67	0.67	0.67
Rated torque [ft.lb]	1010	1220	1220	1220
Locked rotor torque [%]	280	210	229	250
Breakdown torque [%]	310	220	240	260
Service factor	1.15	1.00	1.00	1.00
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	79s (cold) 44s (hot)	28s (cold) 16s (hot)	28s (cold) 16s (hot)	28s (cold) 16s (hot)
Noise level <sup>2</sup>	78.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)
Efficiency (%)	25%	94.9	96.0	95.8
	50%	95.0	96.3	96.2
	75%	96.2	96.6	96.6
	100%	96.2	96.8	96.9
Power Factor	25%	0.46	0.52	0.49
	50%	0.72	0.76	0.73
	75%	0.81	0.84	0.82
	100%	0.85	0.86	0.85

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type :	6322 C3	6319 C3	Max. traction : 4453 lb
Sealing :	WSeal	WSeal	Max. compression : 8363 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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