

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase

Product code : 13512032
Catalog # : 30018ET3Y355M/L-W22

Frame	: 355M/L	Locked rotor time	: 52s (cold) 29s (hot)
Output	: 400 HP (300 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 380 V	Altitude	: 1000 m.a.s.l.
Rated current	: 551 A	Protection degree	: IP55
L. R. Amperes	: 3306 A	Cooling method	: IC411 - TEFC
LRC	: 6.0	Mounting	: B3L(E)
No load current	: 144 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1490 rpm	Noise level ²	: 74.0 dB(A)
Slip	: 0.67 %	Starting method	: Direct On Line
Rated torque	: 1410 ft.lb	Approx. weight ³	: 4406 lb
Locked rotor torque	: 190 %		
Breakdown torque	: 190 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 254 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads		
Efficiency (%)	0.000	95.8	95.8	96.2	96.2	Max. traction : 3424 lb	
	0.000	95.8	95.8	96.2	96.2		
	0.000						
Power Factor	0.00	0.00	0.78	0.76	0.84	0.83	Max. compression : 7830 lb
	0.00	0.00	0.74	0.74	0.82	0.81	

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6322 C3	6319 C3
Sealing	:	WSeal	WSeal
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		Page 1 / 1		
Checked by				
Date	26/03/2024			
			Revision	