

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase

Product code : 11567399  
Catalog # : 03036ET3Y200L-W22

Frame	: 200L	Locked rotor time	: 34s (cold) 19s (hot)
Output	: 40 HP (30 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 55.3 A	Protection degree	: IP55
L. R. Amperes	: 415 A	Cooling method	: IC411 - TEFC
LRC	: 7.5	Mounting	: B3L(E)
No load current	: 17.0 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 2960 rpm	Noise level <sup>2</sup>	: 72.0 dB(A)
Slip	: 1.33 %	Starting method	: Direct On Line
Rated torque	: 71.0 ft.lb	Approx. weight <sup>3</sup>	: 580 lb
Locked rotor torque	: 270 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 4.44 sq.ft.lb		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	93.1 92.6	93.6 93.4	93.6 93.6	Max. traction	: 521 lb
	91.0	92.4	93.0		
Power Factor	0.77 0.69	0.85 0.79	0.88 0.84	Max. compression	: 1101 lb
	0.73	0.81	0.85		

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1 (0,9;1,0)	6.4	6.4	7.0
	P2 (0,5;1,0)	4.3	4.3	4.8
	P3 (0,25;1,0)	3.7	3.7	4.1
	P4 (0,9;0,5)	4.1	4.1	4.5
	P5 (0,5;0,5)	2.2	2.2	2.4
	P6 (0,5;0,25)	1.6	1.6	1.8
	P7 (0,25;0,25)	0.9	0.9	1.0

		Drive end	Non drive end
Bearing type	:	6312 C3	6212 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	12000 h	15000 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	26/03/2024		Page 1 / 1	Revision