

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE2 Three-Phase

Product code :

11625595

Catalog # :

00509EP3Y160M-W22

Frame : 160M  
Output : 7.5 HP (5.5 kW)  
Poles : 8  
Frequency : 50 Hz  
Rated voltage : 380/660 V  
Rated current : 13.1/7.56 A  
L. R. Amperes : 61.6/35.5 A  
LRC : 4.7  
No load current : 7.40/4.26 A  
Rated speed : 720 rpm  
Slip : 4.00 %  
Rated torque : 54.7 ft.lb  
Locked rotor torque : 180 %  
Breakdown torque : 200 %  
Insulation class : F  
Service factor : 1.00  
Moment of inertia (J) : 2.73 sq.ft.lb  
Design : N

Locked rotor time : 37s (cold) 21s (hot)  
Temperature rise : 80 K  
Duty cycle : S1  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Protection degree : IP55  
Cooling method : IC411 - TEFC  
Mounting : B3L(E)  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 51.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 280 lb

Output	25%	50%	75%	100%				
Efficiency (%)	0.000	85.8	85.0	86.0	86.0	84.9	85.5	
	0.000	84.2	85.5	85.7	87.5	85.7	87.5	
	0.000							
	0.000							
Power Factor	0.00	0.00	0.56	0.52	0.68	0.65	0.75	0.73
	0.00	0.00	0.49	0.48	0.62	0.62	0.71	0.70

Foundation loads  
Max. traction : 399 lb  
  
Max. compression : 680 lb

	Drive end	Non drive end
Bearing type	6309 C3	6209 C3
Sealing	V'Ring	V'Ring
Lubrication interval	20000 h	20000 h
Lubricant amount	13 g	9 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	