

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13619541

Catalog # : 00109ET3EPM182/4Y-W2

Frame : 184YZ  
 Output : 1 HP (0.75 kW)  
 Poles : 8  
 Frequency : 60 Hz  
 Rated voltage : 208-230/460 V  
 Rated current : 5.10-4.61/2.31 A  
 L. R. Amperes : 30.6-27.7/13.9 A  
 LRC : 6.0x(Code M)  
 No load current : 0.000-3.40/1.70 A  
 Rated speed : 875 rpm  
 Slip : 2.78 %  
 Rated torque : 6.00 ft.lb  
 Locked rotor torque : 300 %  
 Breakdown torque : 350 %  
 Insulation class : F  
 Service factor : 1.25  
 Moment of inertia (J) : 0.3987 sq.ft.lb  
 Design : B

Locked rotor time : 39s (cold) 22s (hot)  
 Temperature rise : 80 K  
 Duty cycle : Cont.(S1)  
 Ambient temperature : -20°C to +40°C  
 Altitude : 1000 m.a.s.l.  
 Protection degree : IP55  
 Cooling method : IC418 - TEAO  
 Mounting : F-1  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 83.8 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	74.0	77.0	78.5
Power Factor	0.00	0.32	0.42	0.52

Foundation loads  
 Max. traction : 92 lb  
 Max. compression : 176 lb

	Drive end	Non drive end
Bearing type	6207 ZZ	6206 ZZ
Sealing	V'Ring	V'Ring
Lubrication interval	0 h	0 h
Lubricant amount	0 g	0 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	29/03/2024			
		Revision		