

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency  
Three-Phase

Product code : 12675410

Catalog # : 00152ET3E182T-S

Frame : 182/4T  
Output : 1.5 HP (1.1 kW)  
Poles : 6  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 4.44/2.22 A  
L. R. Amperes : 30.6/15.3 A  
LRC : 6.9x(Code K)  
No load current : 2.73/1.36 A  
Rated speed : 1170 rpm  
Slip : 2.50 %  
Rated torque : 6.73 ft.lb  
Locked rotor torque : 240 %  
Breakdown torque : 340 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.2800 sq.ft.lb  
Design : B

Locked rotor time : 99s (cold) 55s (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 : IC411 - TEFC  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 52.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 68.6 lb

Output	50%	75%	100%
Efficiency (%)	84.0 84.2	86.5 85.6	87.5 84.9
	82.9	85.3	85.5
Power Factor	0.50 0.58	0.63 0.70	0.71 0.76
	0.51	0.63	0.72

Foundation loads  
Max. traction : 138 lb  
Max. compression : 206 lb

	Drive end	Non drive end
Bearing type	6206 ZZ	6205 ZZ
Sealing	V'Ring	Without Bearing Seal
Lubrication interval	-	-
Lubricant amount	-	-
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			