

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency  
Three-Phase

Product code : 12792532

Catalog # : 002180T3V145T-SG

Frame : 143/5T  
Output : 2 HP (1.5 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 200/400 V  
Rated current : 6.19/3.09 A  
L. R. Amperes : 47.6/23.8 A  
LRC : 7.7x(Code K)  
No load current : 3.16/1.58 A  
Rated speed : 1740 rpm  
Slip : 3.33 %  
Rated torque : 6.04 ft.lb  
Locked rotor torque : 260 %  
Breakdown torque : 320 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.1168 sq.ft.lb  
Design : B

Locked rotor time : 30s (cold) 17s (hot)  
Temperature rise : 80 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Cooling method : IC01 - ODP  
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> : 40.2 lb

Output	25%	50%	75%	100%
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Efficiency (%)	85.2	85.5	86.5	86.5
Power Factor	0.36	0.61	0.74	0.81

Foundation loads

Max. traction : 148 lb  
Max. compression : 188 lb

	Drive end	Non drive end
Bearing type	6205 ZZ	6203 ZZ
Sealing	Without Bearing Seal	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	27/03/2024			
		Revision		