

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency  
Three-Phase

Product code : 12682581

Catalog # : 00112ET3H145T-S

Frame : 143/5T  
Output : 1 HP (0.75 kW)  
Poles : 6  
Frequency : 60 Hz  
Rated voltage : 575 V  
Rated current : 1.26 A  
L. R. Amperes : 7.33 A  
LRC : 5.8x(Code J)  
No load current : 0.810 A  
Rated speed : 1145 rpm  
Slip : 4.58 %  
Rated torque : 4.59 ft.lb  
Locked rotor torque : 229 %  
Breakdown torque : 280 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.1597 sq.ft.lb  
Design : B

Locked rotor time : 55s (cold) 31s (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> : 50.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 38.6 lb

Output	25%	50%	75%	100%
Efficiency (%)	79.5	80.0	82.5	82.5
Power Factor	0.28	0.50	0.63	0.72

Foundation loads  
Max. traction : 92 lb  
Max. compression : 131 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type :		6205 ZZ	6203 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			
		Revision		