

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency  
Three-Phase

Product code : 14459481

Catalog # : 00718OT3ER213TC-S

Frame : 213/5TC  
Output : 7.5 HP (5.5 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 18.5/9.25 A  
L. R. Amperes : 133/66.6 A  
LRC : 7.2x(Code H)  
No load current : 8.79/4.39 A  
Rated speed : 1770 rpm  
Slip : 1.67 %  
Rated torque : 22.3 ft.lb  
Locked rotor torque : 240 %  
Breakdown torque : 320 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 1.03 sq.ft.lb  
Design : B

Locked rotor time : 23s (cold) 13s (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 : W-6  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 59.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 122 lb

Output	25%		50%		75%		100%	
Efficiency (%)	88.6	90.4	89.5	88.9	90.2	88.5	91.0	86.7
	88.8		88.2		88.7		87.8	
Power Factor	0.39	0.46	0.65	0.73	0.77	0.83	0.82	0.87
	0.39		0.65		0.78		0.84	

Foundation loads  
Max. traction : 364 lb  
Max. compression : 485 lb

	Drive end	Non drive end
Bearing type :	6208 ZZ	6206 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		