

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase      Product code : 14137815  
 Catalog # : 01018OT3ER215TC-S

Frame : 213/5TC Output : 10 HP (7.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 24.8/12.4 A L. R. Amperes : 174/86.8 A LRC : 7.0x(Code H) No load current : 12.0/5.99 A Rated speed : 1770 rpm Slip : 1.67 % Rated torque : 29.7 ft.lb Locked rotor torque : 250 % Breakdown torque : 350 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.30 sq.ft.lb Design : B	Locked rotor time : 25s (cold) 14s (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> : 126 lb
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Output	50%	75%	100%	Foundation loads	
Efficiency (%)	90.2 90.1	91.0 89.7	91.7 88.1	Max. traction	: 541 lb
	89.1	89.7	89.0		
Power Factor	0.64 0.72	0.77 0.82	0.83 0.87	Max. compression	: 668 lb
	0.64	0.77	0.84		

	<u>Drive end</u>	<u>Non drive end</u>
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	Revision
Checked by				
Date	30/06/2024			
			1 / 1	