

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: W21 Flameproof Motor NEMA Premium Efficiency Three-Phase		Product code : 11342118	
				Catalog # : 00736XT3E213T	
Frame : 213T Output : 7.5 HP (5.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 19.8-17.1/8.57 A L. R. Amperes : 139-120/60.0 A LRC : 7.0x(Code H) No load current : 4.31-5.00/2.50 A Rated speed : 3510 rpm Slip : 2.50 % Rated torque : 11.0 ft.lb Locked rotor torque : 220 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.4696 sq.ft.lb Design : B			Locked rotor time : 41s (cold) 23s (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> : 72.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 172 lb		
Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	84.3	85.5	88.5	89.5	Max. traction : 128 lb
Power Factor	0.57	0.81	0.87	0.90	Max. compression : 300 lb
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6308 2RS		6207 2RS	
Sealing	:	Oil Seal		Lip 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
Performed by					
Checked by				Page	Revision
Date	20/03/2018			1 / 2	

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

### Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C
2	Winding	Thermostat - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date	20/03/2018				