



# WORLDWIDE ELECTRIC MOTOR DATA SHEET

## EP3-12-213TC



HORSEPOWER	3		
RPM / POLES	1200 / 6		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	213TC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1180 RPM		
SERVICE FACTOR	1.25 SF at 40° C / 1.0 SF at 55° C		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	8.48 / 4.24 A		
LOCKED ROTOR AMPS (STARTING); 230 / 460	68.0 / 34.0 A		
NO LOAD CURRENT	6.4 / 3.2 A		
NEMA CODE LETTER	K		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	89.5%	0.74
	75%	89.6%	0.71
	50%	83.4%	0.56
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	13.36 lb.ft.	220%	300%
SLIP	1.65%		
NEMA DESIGN	B		
MOMENT OF INERTIA	1.503 lb.ft. <sup>2</sup>		
NUMBER OF STARTS (Hot / Cold)	2 Hot / 3 Cold		
MAX. AMBIENT TEMPERATURE	40° C at 1.25 SF / 55° C at 1.0 SF		
MAX. ELEVATION	3300 Ft. Above Sea Level		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	6308ZZ		
ODE BEARING	6306ZZ		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable)		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	165 lbs.		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
INVERTER RATING	10:1 CT / 20:1 VT PWM Type		
SPECIFICATION - In Accordance With	NEMA, CSA		



CC067A



