



WORLDWIDE ELECTRIC MOTOR DATA SHEET



EP7.5-36-213T

HORSEPOWER	7.5		
RPM / POLES	3600 / 2		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	213T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	3520 RPM		
SERVICE FACTOR	1.25 SF at 40° C / 1.0 SF at 55° C		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	18.46 / 9.23 A		
LOCKED ROTOR AMPS (STARTING); 230 / 460	127 / 63.5 A		
NO LOAD CURRENT	6.66/3.33		
NEMA CODE LETTER	H		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	89.7%	0.85
	75%	89.5%	0.85
	50%	86.4%	0.83
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	11.23 lb.ft.	220%	280%
SLIP	2.20%		
NEMA DESIGN	B		
MOMENT OF INERTIA	0.501 lb.ft.2		
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	176 lbs.		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
TEMPERATURE CODE AT 40°C AMBIENT	T3C		
TEMPERATURE CODE AT 55°C AMBIENT	T3A		
INVERTER RATING	10:1 CT / 20:1 VT PWM Type		
SPECIFICATION - In Accordance With	NEMA, CSA		



CC067A





WORLDWIDE ELECTRIC MOTOR DRAWING

EP-213T



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
4.25	5.5	---	0.41	3.5	10.51	7.48	19	5.25	0.78	2.36	11.8	12.86	8.63

KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.312	2.41	1.201	3.38	1.375	1	2.95	5	4.57	6.77