



# WORLDWIDE ELECTRIC MOTOR DATA SHEET



## EP25-36-284TS

HORSEPOWER	25		
RPM / POLES	3600 / 2		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	284TS		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	3580 RPM		
SERVICE FACTOR	1.25 SF at 40° C / 1.0 SF at 55° C		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	58.7 / 29.35 A		
LOCKED ROTOR AMPS (STARTING); 230 / 460	365 / 182.5 A		
NO LOAD CURRENT	22.4 / 11.2 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	91.9%	0.88
	75%	91.1%	0.87
	50%	90.0%	0.82
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	36.7 lb.ft.	210%	260%
SLIP	0.56%		
NEMA DESIGN	B		
MOMENT OF INERTIA	3.06 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	6311		
ODE BEARING	6309		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable)		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	350 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-284TS



**DIMENSIONS - INCHES**

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
5.5	9.5	---	0.53	4.75	13.74	12.2	25.48	7	0.98	2.68	15.92	17	13.5

KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.375	1.91	1.416	3.25	1.625	1.5	1.6	10.55	8.98	8.3