

**PE284T-10-8C**

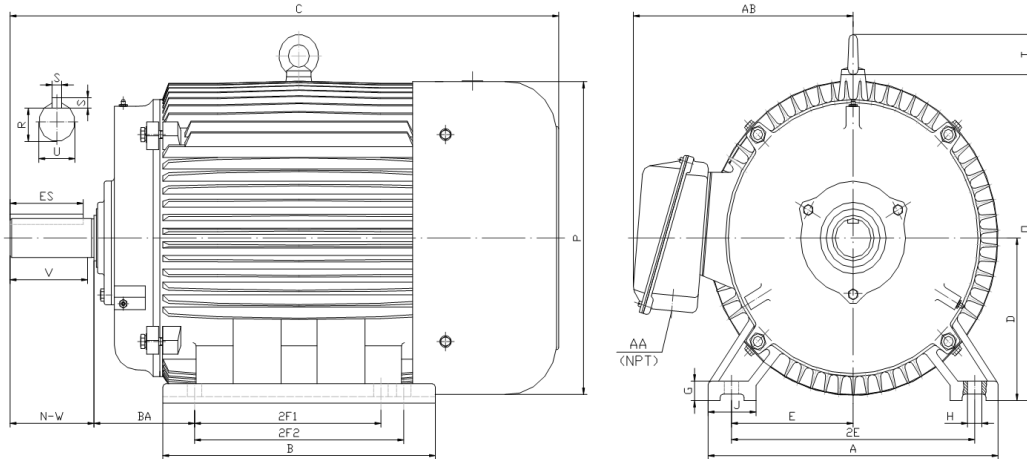
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31

Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G



**DIMENSIONS**

HP	RPM	Frame	MOUNTING														
			A	B	C	D	G	H	J	E	2E	2F1	2F2	O	P	T	BA
10	900	284T	14.00	13.20	26.60	7.00	0.85	0.53	2.75	5.50	11.00	9.50	0.00	14.50	14.00	2.20	4.75

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.875	4.38	1.591	0.500	3.28	4.62	1.50	11.30	6311	6311	F1

**BEARING LUBRICATION:** The bearings come lubricated with Mobil Polyrex EM Polyurea Grease. It is recommended that you add some additional lubrication when the motor is installed.

Three options (brands) for suitable lubrication include, but are not limited to, the following:

- 1.) Mobil Polyrex EM
- 2.) Citco Polyurea MP
- 3.) Conoco Phillips Polytac EP





## PE284T-10-8C

GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31



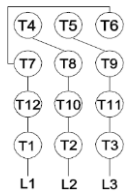
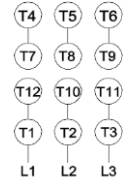



Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

### PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
10	880	284T	208-230/460	60	1.15	F	C	2.2	H	TEFC	55	40° C

Amps (460V)		Efficiency (%)					Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	Min.	100%	75%	50%	FLT	LRT %	BDT %					
14.6	81	89.5	89.0	87.0	87.5	0.720	0.580	0.440	60.0	200	280	6311	6311	12 Lead 2Δ/Δ	306	

### NAME PLATE

 <b>North American Electric, Inc.</b>													<b>CONNECTION DIAGRAMS</b> <b>208-230V</b> 										
<b>INVERTER DUTY 20:1 VT; 10:1 CT</b>																							
CAT NO:		PE284T-10-8C				FRAME		284T		PHASE		3		<b>460V</b> 									
HZ		60		S.F.		1.15		HZ		50		S.F.					1.0		ENCL		TEFC		IP
HP		10		RPM		880		HP		10		RPM		735		DUTY		CONT		DES		C	
VOLTS		208-230/460				VOLTS		190/380		AMB		40° C		INS		F							
FLA		32.2 - 29.2 / 14.6				FLA		35/17.5		DE BEARING				6311									
CODE		H		P.F.		0.72		CODE		F		P.F.		0.74		ODE BEARING				6311			
EFF		89.5		MIN		87.5		EFF		87.5		MIN		85.5		LUB: Mobil Polyrex EM							
MOTOR WEIGHT		306		LBS		CONNECTION		12 Lead 2Δ/Δ		SER NO													
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi																CC 082A							

### APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments.