

**PE286T-20-6C**

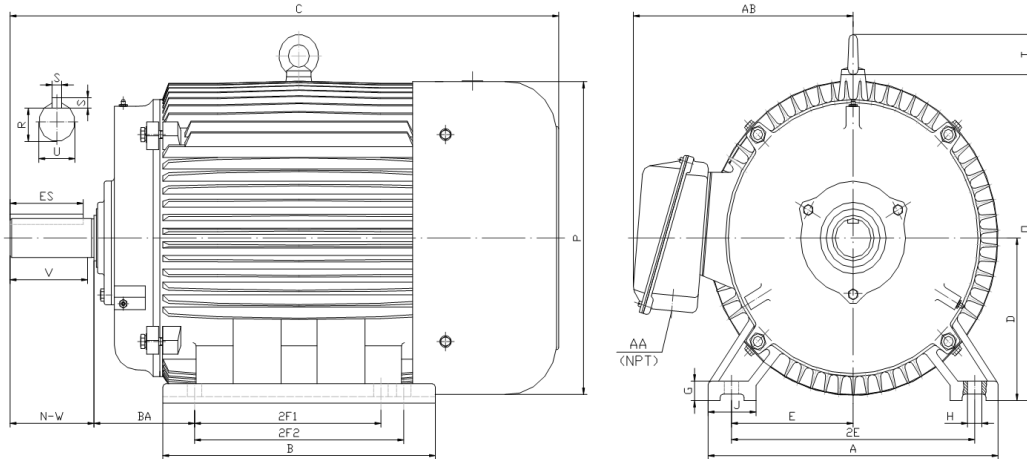
GENERAL PURPOSE ELECTRIC MOTOR

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
20	1200	286T	14.00	13.20	28.10	7.00	0.85	0.53	2.75	5.50	11.00	9.50	11.00	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





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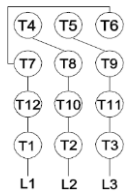
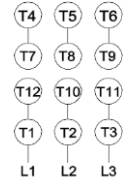



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### PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
20	1180	286T	208-230/460	60	1.15	F	C	1.7	G	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 %	6311	6311	12 Lead 2Δ/Δ	351
25.0	145	91.7	91.7	91.5	90.2	0.790	0.730	0.610	89.4	200	250				

### NAME PLATE

 <b>North American Electric, Inc.</b>													<b>CONNECTION DIAGRAMS</b> <b>208-230V</b>  <b>460V</b> 										
<b>INVERTER DUTY 20:1 VT; 10:1 CT</b>																							
CAT NO:		PE286T-20-6C				FRAME		286T		PHASE		3											
HZ		60		S.F.		1.15		HZ		50		S.F.		1.0		ENCL		TEFC		IP		55	
HP		20		RPM		1180		HP		20		RPM		975		DUTY		CONT		DES		C	
VOLTS				208-230/460				VOLTS				190/380				AMB		40° C		INS		F	
FLA				54.7 - 50 / 25				FLA				62/31				DE BEARING				6311			
CODE		G		P.F.		0.79		CODE		F		P.F.		0.82		ODE BEARING				6311			
EFF		91.7		MIN		90.2		EFF		89.7		MIN		88.2		LUB: Mobil Polyrex EM							
MOTOR WEIGHT				351 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.