

PE286T-20-6

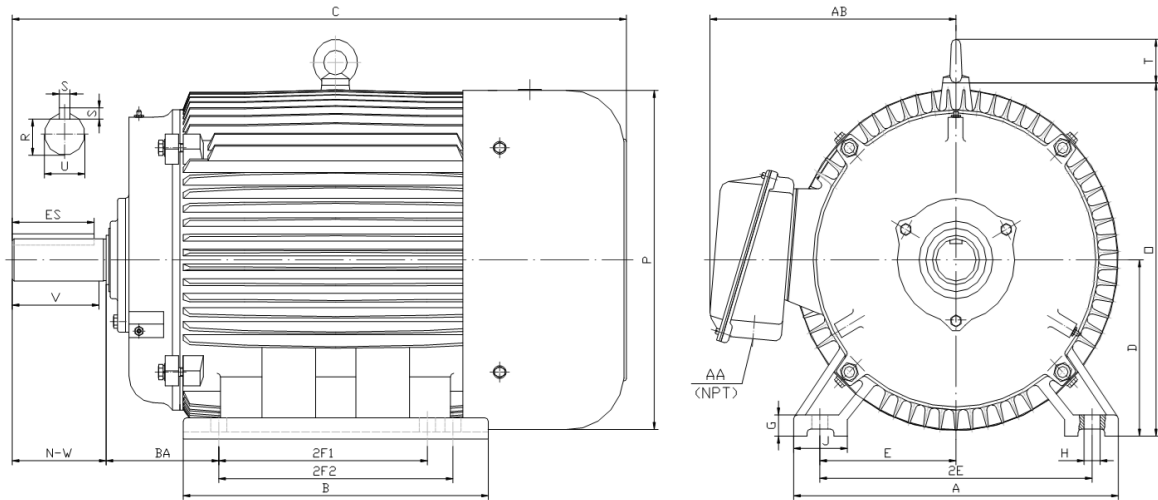
GENERAL PURPOSE ELECTRIC MOTOR

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





PE286T-20-6

GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

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



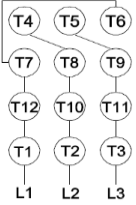



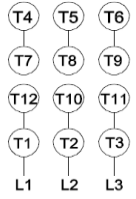
Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

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
20	1185	286T	208-230/460	60	1.15	F	B	1.3	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 %				
25.0	145	91.7	91.7	91.5	90.2	0.790	0.730	0.610	89.4	160	250	6311	6311	12 Lead 2Δ/Δ	394

NAME PLATE

 North American Electric, Inc.													CONNECTION DIAGRAMS 208-230V 										
INVERTER DUTY 20:1 VT; 10:1 CT																							
CAT NO:		PE286T-20-6				FRAME		286T		PHASE		3											
HZ		60		S.F.		1.15		HZ		50		S.F.					1.0		ENCL		TEFC		IP
HP		20		RPM		1185		HP		20		RPM		975		DUTY		CONT		DES		B	
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			394		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							
																	460V 						

APPLICATIONS:

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