



PE444T-100-6-IN

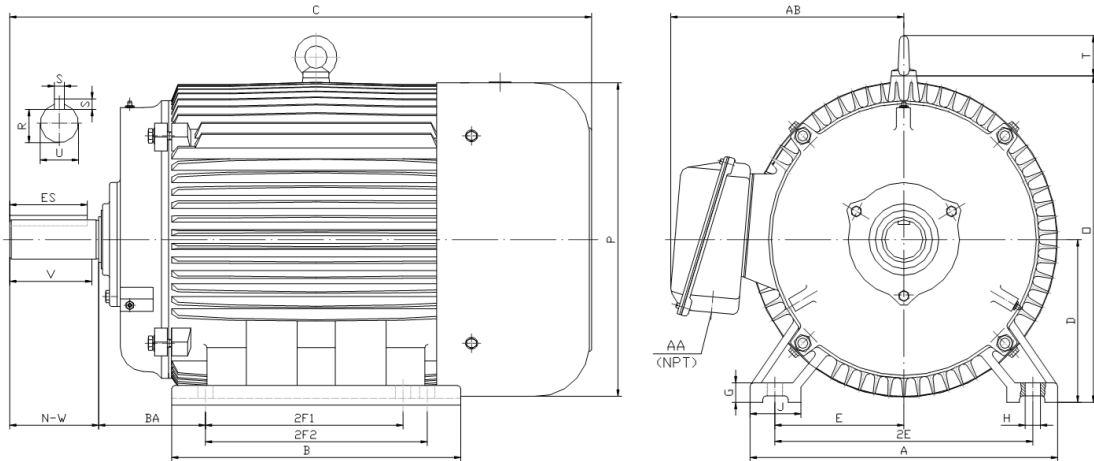
GENERAL PURPOSE ELECTRIC MOTOR

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
100	1200	444T	21.70	22.90	44.30	11.00	1.35	0.81	3.35	9.00	18.00	14.50	16.50	23.00	23.40	3.00	7.50

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.375	8.25	2.880	0.875	6.91	8.50	3.00	19.90	NU319	6318/C 3VL024	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





PE444T-100-6-IN

GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

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

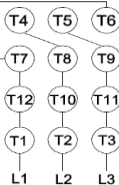
Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

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
100	1185	444T	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 %				
116.0	725	95.0	95.0	95.0	94.1	0.810	0.790	0.720	442.5	150	245	NU319	318/C3VL024	12 Lead 2Δ/Δ	1364

NAME PLATE

 North American Electric, Inc.										NEMA Premium															
INVERTER DUTY 20:1 VT; 10:1 CT														CONNECTION DIAGRAMS											
CAT NO: PE444T-100-6-IN				FRAME 444T				PHASE 3				208-230V													
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55															
HP 100		RPM 1185		HP 100		RPM 985		DUTY CONT		DES B															
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F															
FLA 250 - 232 / 116				FLA 294/147				DE BEARING NU319																	
CODE G		P.F. 0.81		CODE F		P.F. 0.82		ODE BEARING 6318/C3VL0241																	
EFF 95.0		MIN 94.1		EFF 93.5		MIN 92.6		LUB: Mobil Polyrex EM																	
MOTOR WEIGHT 1364 LBS				CONNECTION 12 Lead 2Δ/Δ				SER NO																	
General purpose use on industrial machinery installed in damp, dusty or dirty environments.																							CC 082A		
Hernando, Mississippi																									

APPLICATIONS:

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