

PE445T-125-6-IN

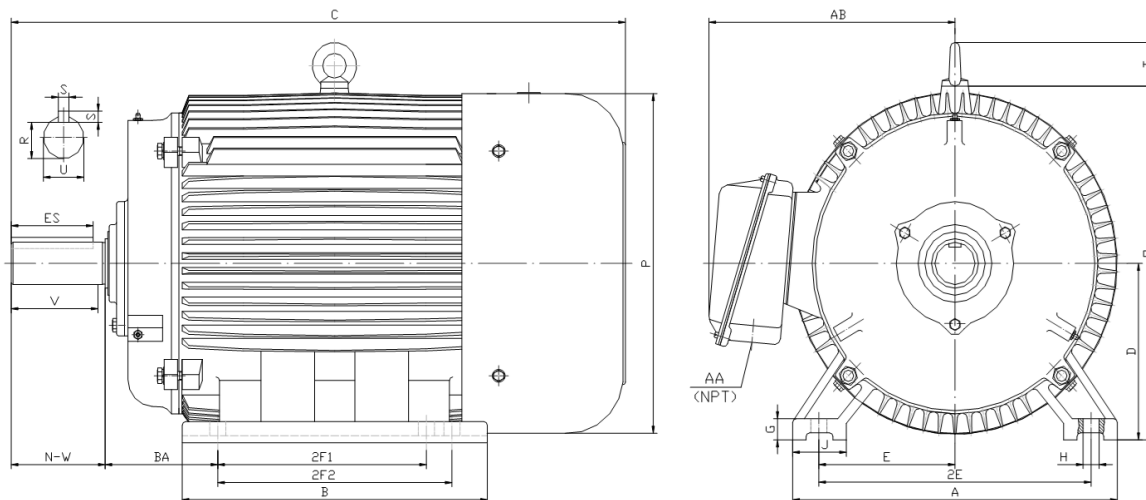
GENERAL PURPOSE ELECTRIC MOTOR

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
125	1200	445T	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/C3 VL0241	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





PE445T-125-6-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
125	1185	445T	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 %				
147.0	907	95.0	95.0	95.0	94.1	0.810	0.790	0.720	553.5	150	245	NU319	6318/C3VL0241	6 Lead Δ	1562

NAME PLATE

 North American Electric, Inc. 										CONNECTION DIAGRAMS (460V)			
INVERTER DUTY 20:1 VT; 10:1 CT										Across The Line T7 T1 L1 T8 T2 L2 T9 T3 L3			
CAT NO: PE445T-125-6-IN			FRAME 445T			PHASE 3				PWS Start T7 T1 L1 T8 T2 L2 T9 T3 L3			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC				IP 55	
HP 125		RPM 1185		HP 125		RPM 985		DUTY CONT				DES B	
VOLTS 460			VOLTS 380			AMB 40° C		INS F					
FLA 147.0			FLA 185			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 1562.0 LBS			CONNECTION 6 Lead Δ				SER NO					PWS Run T7 T1 L1 T8 T2 L2 T9 T3 L3	
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.