

PE444TC-125-4-IN

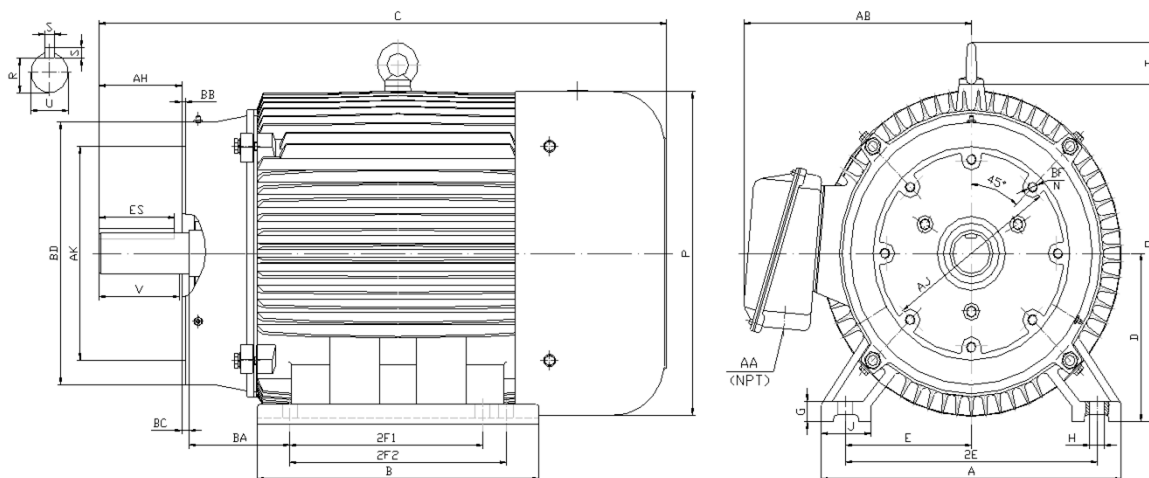
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

THREE PHASE, TOTALLY ENCLOSED FAN COOLED - C-FLANGE W/ FEET

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	1800	444TC	21.70	22.90	44.30	11.00	1.35	0.81	3.35	9.00	18.00	14.50	16.50	22.10	21.60	3.00	7.50

FLANGE							Shaft Extension, Key Set						Conduit Box		Bearings		Mount
AH	AJ	AK	BB	BC	BD	BF	U	V	R	S	ES	N-W	AA	AB	DE	ODE	
8.25	14.00	16.00	0.25	0.25	18.00	8*5/8-11	3.38	8.25	2.88	0.88	6.91	NA	3.00	19.00	6319	6318/C3V L0241	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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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	1785	444TC	460	60	1.15	F	B	0.8	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 %				
145.0	907	95.4	95.4	95.0	94.5	0.870	0.860	0.810	368.9	150	250	6319	6318/C3VL0241	6 Lead Δ	1523

NAME PLATE

 North American Electric, Inc.										NEMA Premium		CONNECTION DIAGRAMS (460V)	
INVERTER DUTY 20:1 VT; 10:1 CT										Across The Line T7 T8 T9 T1 T2 T3 L1 L2 L3			
CAT NO:		PE444TC-125-4-IN		FRAME		444TC		PHASE		3			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55			
HP 125		RPM 1785		HP 125		RPM 1485		DUTY CONT		DES B			
VOLTS		460		VOLTS		380		AMB 40° C		INS F			
FLA		145.0		FLA		170		DE BEARING		6319			
CODE G		P.F. 0.87		CODE F		P.F. 0.88		ODE BEARING		6318/C3VL0241			
EFF 95.4		MIN 94.5		EFF 94.2		MIN 93.3		LUB:		Mobil Polyrex EM			
MOTOR WEIGHT		1523 LBS		CONNECTION		6 Lead Δ		SER NO					
General purpose use on industrial machinery installed in damp, dusty or dirty environments. ISO9001 CERTIFIED CE SP C US CC 082A										Across The Line T7 T8 T9 T1 T2 T3 L1 L2 L3			
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.