

PE444TSC-125-4

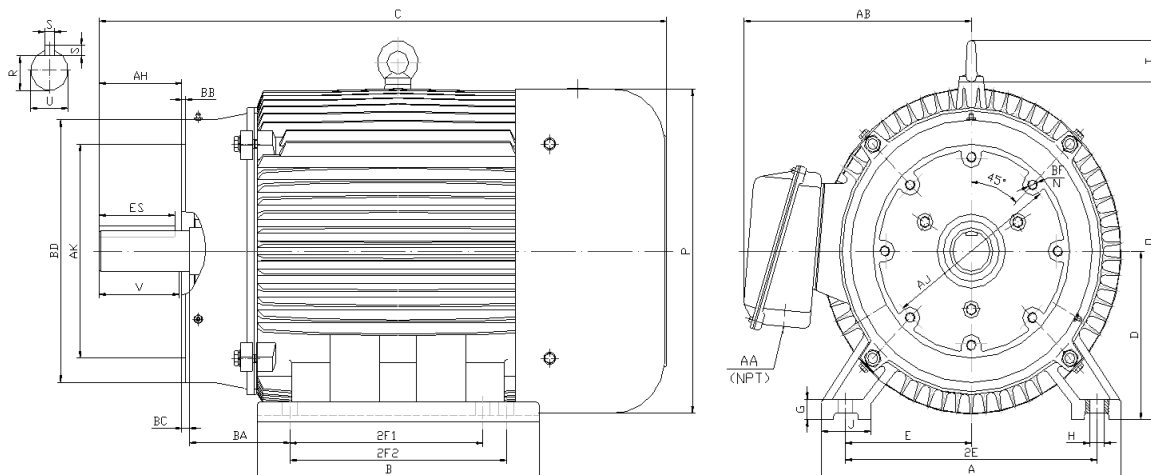
GENERAL PURPOSE ELECTRIC MOTOR

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	444TSC	21.70	22.90	40.60	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	
4.50	14.00	16.00	0.25	0.25	18.00	8*5/8-11	2.38	4.50	2.02	0.63	3.03	NA	3.00	19.00	6319	6318	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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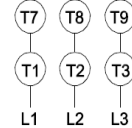
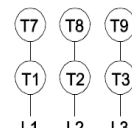
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
125	1785	444TSC	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	6 Lead Δ	1523

NAME PLATE

 North American Electric, Inc.										NEMA Premium			CONNECTION DIAGRAMS (460V)															
INVERTER DUTY 20:1 VT; 10:1 CT																												
CAT NO:				PE444TSC-125-4				FRAME		444TSC		PHASE		3		Across The Line 												
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								
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.																CC 082A				Across The Line 								
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.