

PE444TSC-125-2

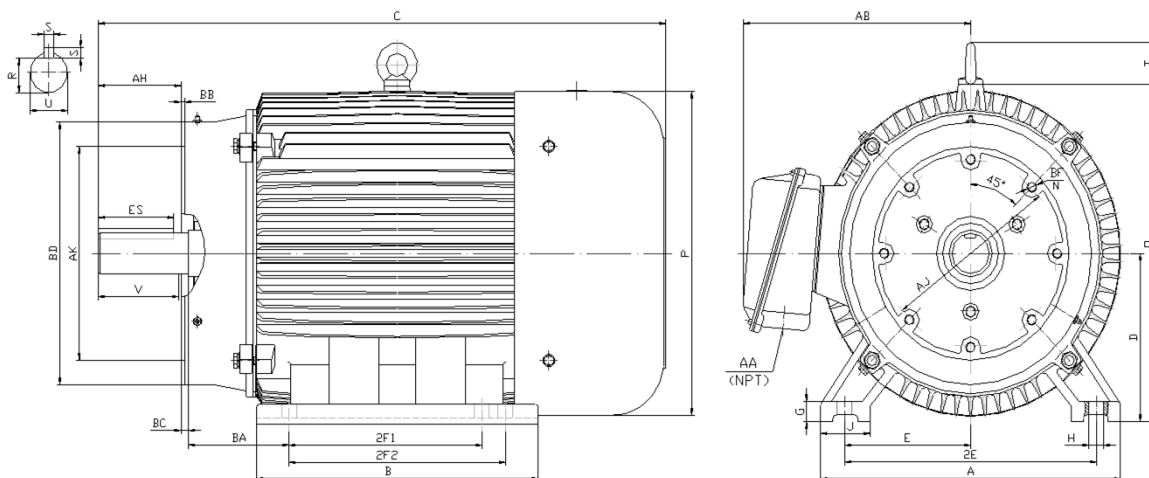
GENERAL PURPOSE ELECTRIC MOTOR

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	3600	444TSC	21.70	22.90	40.60	11.00	1.35	0.81	3.35	9.00	18.00	14.50	16.50	23.00	23.40	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	4.75	3.00	19.90	6314	6314	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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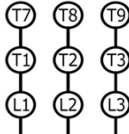
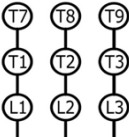
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
125	3580	444TSC	460	60	1.15	F	B	0.6	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 %				
134.0	907	95.0	94.4	93.8	94.1	0.920	0.900	0.860	183.8	130	250	6314	6314	6 Lead Δ	1247

NAME PLATE

 North American Electric, Inc.													CONNECTION DIAGRAMS (460V)								
INVERTER DUTY 20:1 VT; 10:1 CT										ACROSS THE LINE											
CAT NO: PE444TSC-125-2				FRAME 444TSC				PHASE 3													
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55											
HP 125		RPM 3580		HP 125		RPM 2980		DUTY CONT		DES B											
VOLTS 460			VOLTS 380			AMB 40° C			INS F												
FLA 134.0			FLA 164			DE BEARING 6314															
CODE G		P.F. 0.92		CODE D		P.F. 0.92		ODE BEARING 6314													
EFF 95.0		MIN 94.1		EFF 93.6		MIN 92.4		LUB: Mobil Polyrex EM													
MOTOR WEIGHT 1247 LBS			CONNECTION 6 Lead Δ				SER NO														
General purpose use on industrial machinery installed in damp, dusty or dirty environments.										ISO9001 CERTIFIED							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.