

PE444TC-125-4C

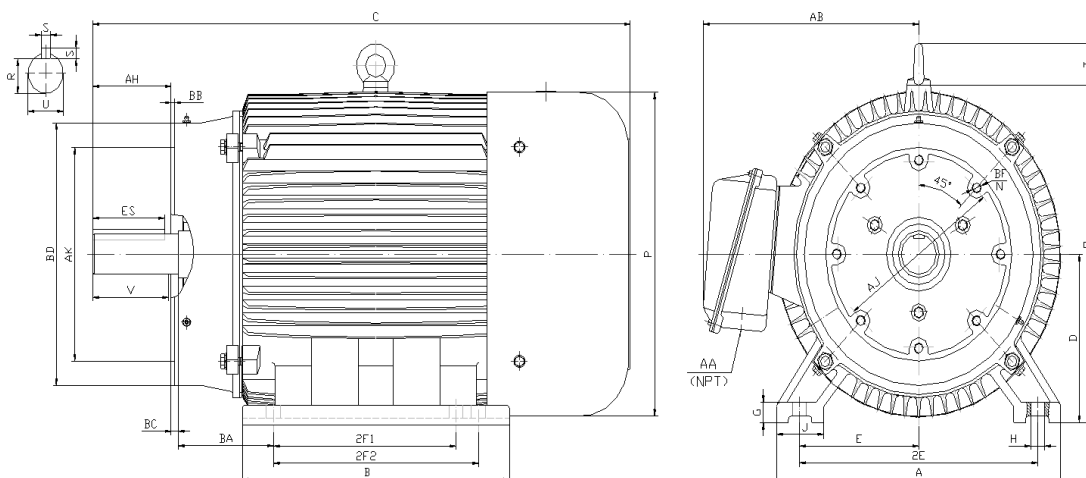
GENERAL PURPOSE ELECTRIC MOTOR

HIGH EFFICIENCY / EISA COMPLIANT

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	23.00	23.40	3.00	16.00

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	3.375	8.25	2.880	0.875	6.91	8.50	3.00	19.90	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



PE444TC-125-4C

GENERAL PURPOSE ELECTRIC MOTOR

HIGH EFFICIENCY / EISA COMPLIANT

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

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

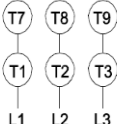
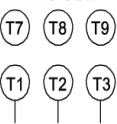
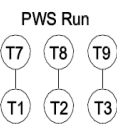
Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

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	1780	444TC	460	60	1.15	F	C	1.1	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 %	6319	6318	6 Lead Δ	1364
140	907	94.5	93.6	94.4	94.1	0.890	0.880	0.820	368.9	200	245				

NAME PLATE

 North American Electric, Inc.										HIGH EFFICIENCY EISA COMPLIANT				CONNECTION DIAGRAMS (460V)													
INVERTER DUTY 20:1 VT; 10:1 CT																											
CAT NO:				PE444TC-125-4C				FRAME				444TC		PHASE		3											
HZ		60		S.F.		1.15		HZ		50		S.F.		1.0		ENCL		TEFC		IP		55					
HP		125		RPM		1780		HP		125		RPM		1480		DUTY		CONT		DES		C					
VOLTS				460				VOLTS				380				AMB		40° C		INS		F					
FLA				140				FLA				169				DE BEARING				6319							
CODE		G		P.F.		0.89		CODE		E		P.F.		0.90		ODE BEARING				6318							
EFF		94.5		MIN		94.1		EFF		93.2		MIN		92.4		LUB:				Mobil Polyrex EM							
MOTOR WEIGHT				1364				LBS				CONNECTION				6 Lead Δ				SER NO							
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi																	ISO9001 CERTIFIED				CE		SP C US		CC 082A		
																	Across The Line 										
																	PWS Start 										
																	PWS Run 										

APPLICATIONS:

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