

PE444TC-125-4

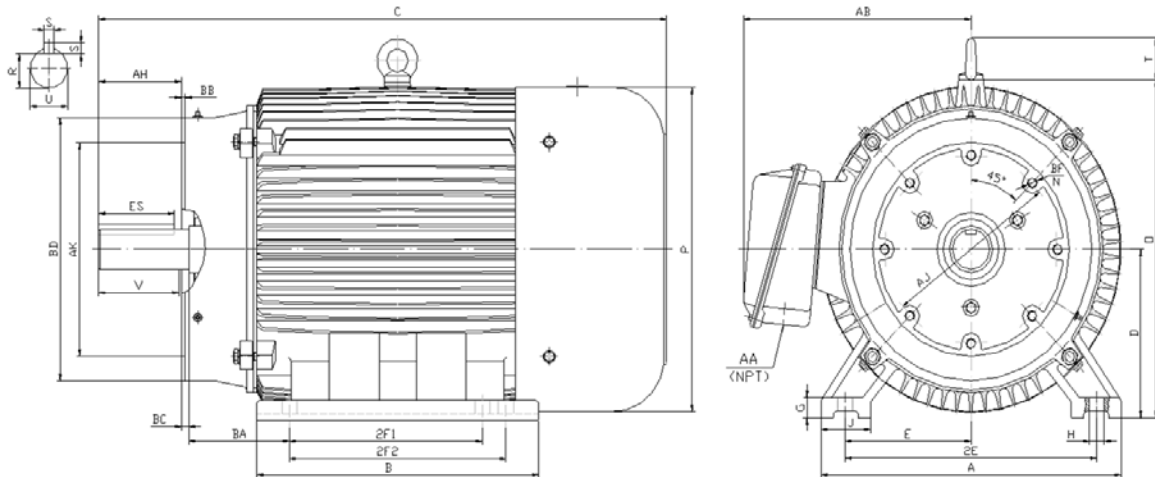
GENERAL PURPOSE ELECTRIC MOTOR

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	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	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	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





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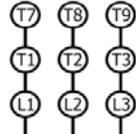
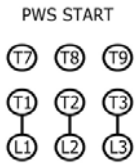
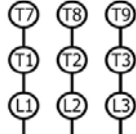



Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

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	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 %				
141.0	907	95.4	95.4	95.0	94.5	0.870	0.860	0.810	368.9	150	250	6319	6318	6 Lead Δ	1342

NAME PLATE

 										CONNECTION DIAGRAMS (460V)									
INVERTER DUTY 20:1 VT; 10:1 CT										ACROSS THE LINE									
CAT NO:		PE444TC-125-4			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	PWS RUN							
VOLTS		460		VOLTS		380		AMB		40° C		INS		F					
FLA		141.0		FLA		170		DE BEARING				6319							
CODE		G		P.F.		0.87		CODE		D		P.F.		0.88		ODE BEARING 6318			
EFF		95.4		MIN		94.5		EFF		94.1		MIN		93		LUB: Mobil Polyrex EM			
MOTOR WEIGHT		1342		LBS		CONNECTION				6 Lead Δ		SER NO							
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.