

PEXP444TC-125-4

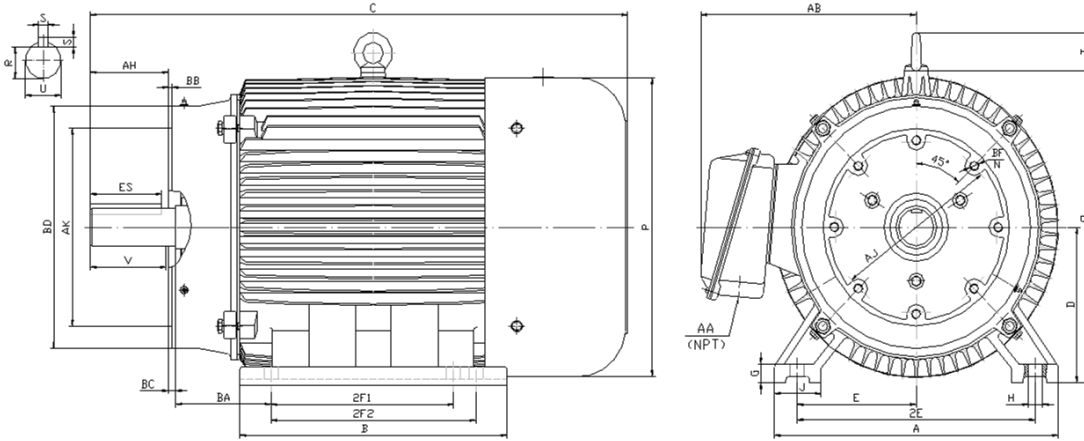
EXPLOSION PROOF ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED; EXPLOSION PROOF ENCLOSURE

CLASS I DIVISION I GROUP C & D; CLASS II DIVISION I GROUP F & G

OPERATING TEMP CODE T3C



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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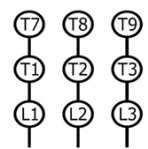
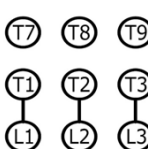
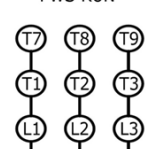



OPERATING TEMP CODE T3C


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	Oper Temp Code	Max. KVAR
125	1789	444TC	460	60	1.15	F	B	0.6	G	TEXP	55	40° C	40° C	25.1

Amps (460V)		Max. Amps (208V)	Efficiency (%)				Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	60HZ	100%	75%	50%	Min.	100%	75%	50%	FLT	LRT %	BDT %	6318	6314	6 Lead Δ	1640
133	907.5	294.1	95.4	95.4	94.8	94.5	0.850	0.856	0.815	367	110	200				

NAME PLATE

 						CONNECTION DIAGRAMS		
PREMIUM EFFICIENT EXPLOSION PROOF MOTOR						PWS RUN		
CAT NO: PEXP444TC-125-4		FRAME 444TC		PHASE 3				
DE BRG 6318		ODE BRG 6314		CONN. 6 Lead Δ		PWS START		
MAX AMB. 40° C		INS. CLASS F		RATING CONT		WEIGHT 1640		
USABLE ON 208V 60HZ AT 294.1 MAX AMPS				SER		PWS RUN		
DIVISION 1 CLASS I GROUP C D CLASS II GROUP F G				OPER TEMP CODE 40° C				
60 HERTZ DATA	HP	125	RPM	1789	HP	125	RPM	1491
	VOLTS 460		VOLTS 380					
	F.L. AMPS 133		F.L. AMPS 161					
	S.F. AMPS 153.0		S.F. AMPS 161					
	S.F. 1.15 DESIGN B CODE G		S.F. 1.0 DESIGN B CODE H					
	NEMA NOM.EFF. 95.4 % P.F. 0.850		NEMA NOM.EFF. 95.4 % P.F. 0.850					
	NEMA MIN.EFF. 94.5 %		NEMA MIN.EFF. 94.4 %					
MAX. KVAR 25.1		LUB. Mobil Polyrex EM						
<small>General purpose use on industrial machinery installed in damp, dusty or dirty environments. These motors are designed for use in hazardous locations defined by class and group.</small>						   CC 041B		
Hernando, Mississippi								

	ELECTRIC MOTORS FOR HAZARDOUS LOCATIONS CLASS I DIVISION I GROUP C D, CLASS II DIVISION I GROUP F G NO. CCXXXXX E310089

APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments. These motors are designed to be used in hazardous locations as defined by class and group.