

PEXP445TC-150-4

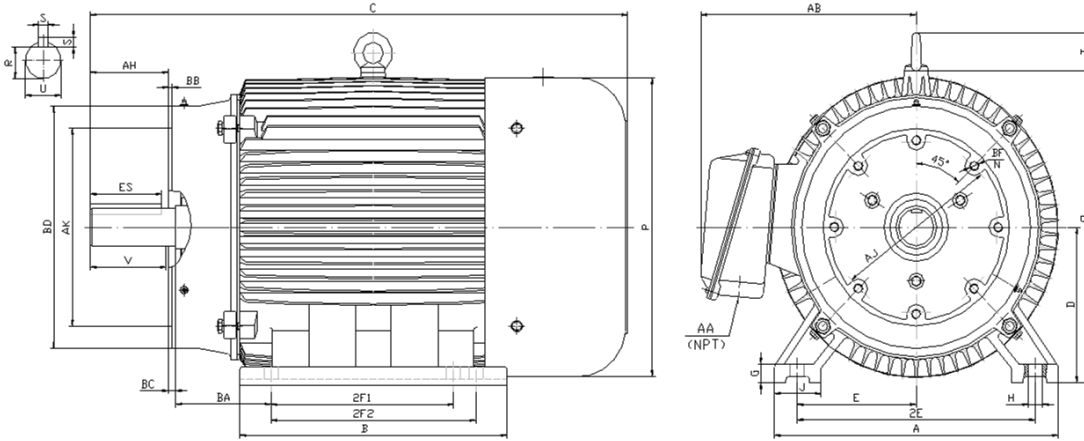
EXPLOSION PROOF ELECTRIC MOTOR

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
150	1800	445TC	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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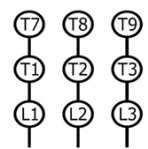
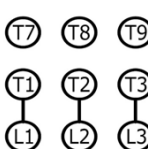
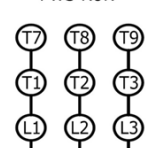



OPERATING TEMP CODE T3C

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
150	1789	445TC	460	60	1.15	F	B	0.6	G	TEXP	55	40° C	40° C	33.9

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	1898
162.5	1085	359.4	95.8	95.8	95.7	95	0.860	0.862	0.823	440	110	200				

NAME PLATE

 						CONNECTION DIAGRAMS									
PREMIUM EFFICIENT EXPLOSION PROOF MOTOR						PWS RUN									
CAT NO: PEXP445TC-150-4		FRAME 445TC		PHASE 3											
DE BRG 6318		ODE BRG 6314		CONN. 6 Lead Δ		PWS START									
MAX AMB. 40° C		INS. CLASS F		RATING CONT		WEIGHT 1898									
USABLE ON 208V 60HZ AT 359.4 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	150	RPM	1789	HP	150	RPM	1491	50 HERTZ DATA						
	VOLTS 460				VOLTS 380										
	F.L. AMPS 162.5				F.L. AMPS 196.7										
	S.F. AMPS 186.9				S.F. AMPS 197										
	S.F. 1.15 DESIGN B CODE G				S.F. 1.0 DESIGN B CODE H										
	NEMA NOM.EFF. 95.8 % P.F. 0.860				NEMA NOM.EFF. 95.8 % P.F. 0.860										
	NEMA MIN.EFF. 95.0 %				NEMA MIN.EFF. 94.6 %										
MAX. KVAR 33.9		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.