

PEXP447T-150-6

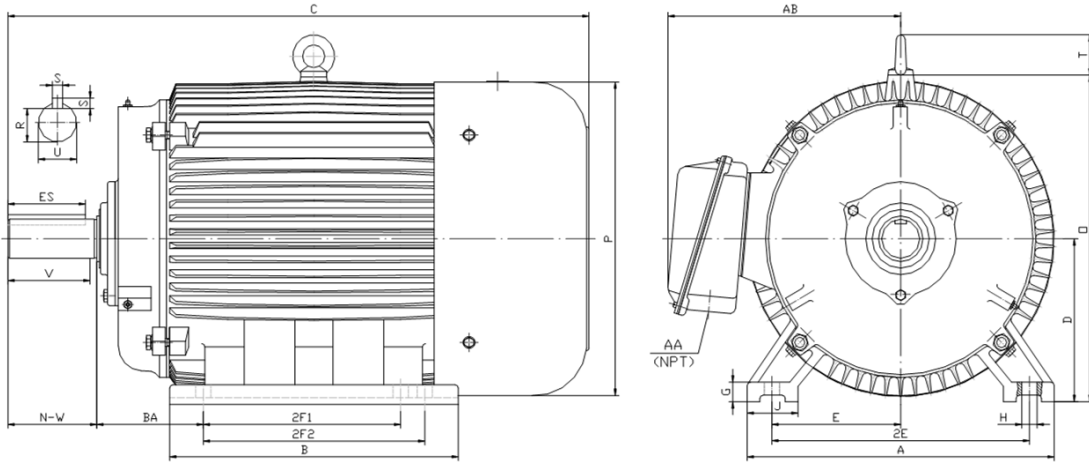
EXPLOSION PROOF ELECTRIC MOTOR

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	1200	447T	21.70	26.40	47.80	11.00	1.35	0.81	3.35	9.00	18.00	16.50	20.00	23.00	23.40	3.00	7.50

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.38	8.25	2.88	0.88	6.91	8.50	3.00	19.90	NU318	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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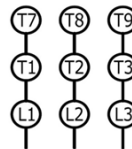
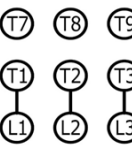



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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient	Oper Temp Code	Max. KVAR
150	1191	447T	460	60	1.15	F	B	0.8	G	TEXP	55	40° C	T3C	37.2

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 %				
166.0	1085	367.1	95.8	95.8	95.3	95.0	0.82	0.81	0.79	661.5	120	200	NU318	6318	6 Lead Δ	2174

NAME PLATE

 North American Electric, Inc.												CONNECTION DIAGRAMS ACROSS THE LINE 							
PREMIUM EFFICIENT EXPLOSION PROOF MOTOR																			
CAT NO: PEXP447T-150-6			FRAME 447T			PHASE 3			PWS START 										
DE BRG NU318		ODE BRG 6318		CONN. 6 Lead Δ															
MAX AMB. 40° C		INS. CLASS F		RATING CONT		WEIGHT 2174													
USABLE ON 208V 60HZ AT 367.1						MAX AMPS SER													
DIVISION 1 CLASS I GROUP C D CLASS II GROUP F G						OPER TEMP CODE T3C													
60 HERTZ DATA						HP 150		RPM 1191		HP 150		RPM 993		50 HERTZ DATA					
						VOLTS 460				VOLTS 380									
						F.L. AMPS 166				F.L. AMPS 201									
						S.F. AMPS 190.9				S.F. AMPS 201									
						S.F. 1.15 DESIGN B CODE G				S.F. 1.0 DESIGN B CODE H									
						NEMA NOM.EFF. 95.8 % P.F. 0.82				NEMA NOM.EFF. 95.2 % P.F. 0.82									
						NEMA MIN.EFF. 95.0 %				NEMA MIN.EFF. 94.2 %									
MAX. KVAR 37.2				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.