

**PEXP447TS-200-2**

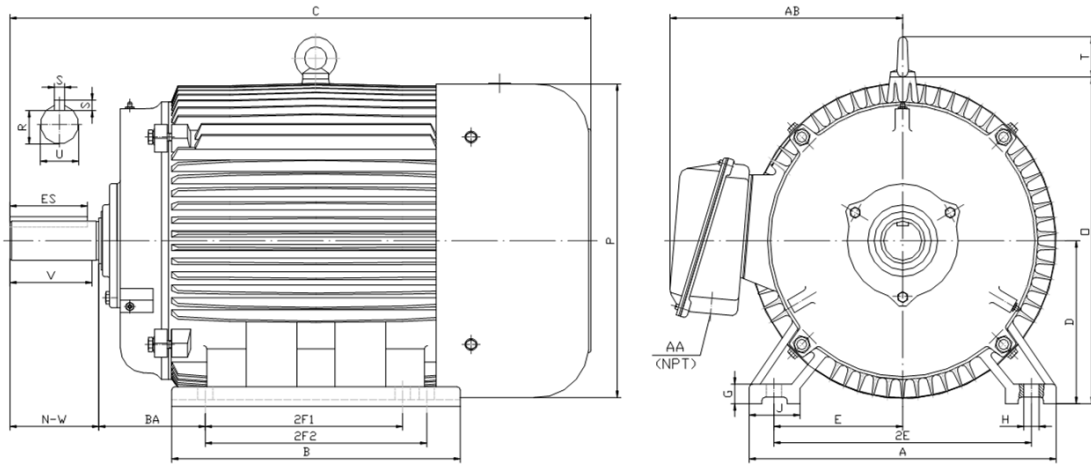
EXPLOSION PROOF ELECTRIC MOTOR

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
200	3600	447TS	21.70	26.40	44.10	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	
2.38	4.50	2.02	0.63	3.03	4.75	3.00	19.90	6314	6314	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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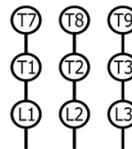



**EXPLOSION PROOF ELECTRIC MOTOR**  
**NEMA PREMIUM EFFICIENCY**  
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**PERFORMANCE DATA**

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
200	3584	447TS	460	60	1.15	F	B	0.4	G	TEXP	55	40° C	T3C	41.6

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 %				
213.5	1450	472.2	95.4	95.4	95.0	94.5	0.87	0.89	0.85	294.8	100	200	6314	6314	6 Lead Δ	2370

**NAME PLATE**

 <b>North American Electric, Inc.</b>															<b>CONNECTION DIAGRAMS</b> <b>ACROSS THE LINE</b> 		
<b>PREMIUM EFFICIENT EXPLOSION PROOF MOTOR</b>																	
CAT NO: PEXP447TS-200-2			FRAME 447TS			PHASE 3											
DE BRG 6314		ODE BRG 6314		CONN. 6 Lead Δ													
MAX AMB. 40° C		INS. CLASS F		RATING CONT		WEIGHT 2370											
USABLE ON 208V 60HZ AT 472.2			MAX AMPS		SER												
DIVISION 1 CLASS I GROUP C D CLASS II GROUP F G						OPER TEMP CODE T3C											
60 HERTZ DATA	HP 200		RPM 3584		HP 200		RPM 2987		50 HERTZ DATA								
	VOLTS 460				VOLTS 380												
	F.L. AMPS 214				F.L. AMPS 258												
	S.F. AMPS 245.5				S.F. AMPS 258												
	S.F. 1.15 DESIGN B CODE G		S.F. 1.0 DESIGN B CODE H														
	NEMA NOM.EFF. 95.4 % P.F. 0.87				NEMA NOM.EFF. 95.5 % P.F. 0.87												
	NEMA MIN.EFF. 94.5 %				NEMA MIN.EFF. 94.6 %												
MAX. KVAR 41.6		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>										  							
Hernando, Mississippi										CC 041B							



**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.