

PEXP449TS-250-2

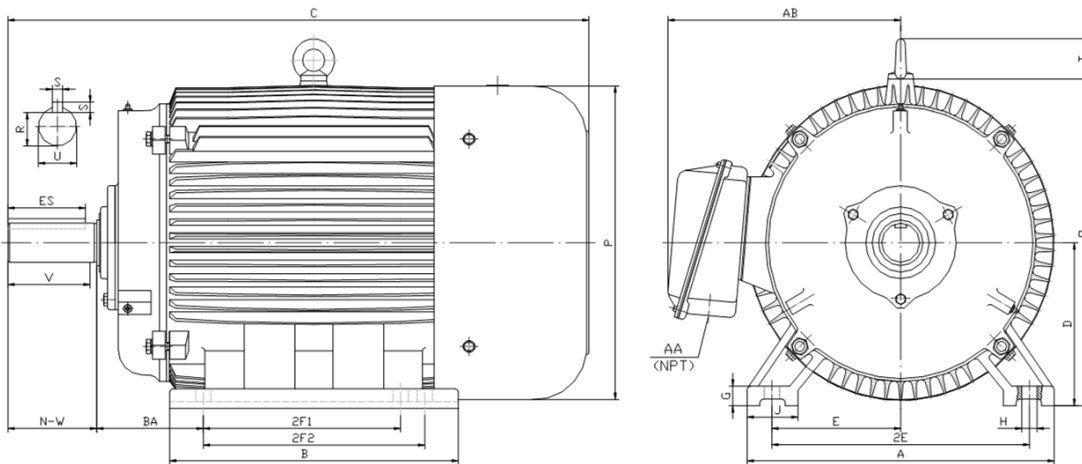
EXPLOSION PROOF ELECTRIC MOTOR

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
250	3600	449TS	21.70	31.40	49.10	11.00	1.35	0.81	3.35	9.00	18.00	20.00	25.00	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



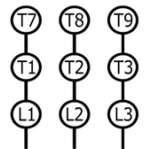






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NEMA PREMIUM EFFICIENCY
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PERFORMANCE DATA

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
250	3585	449TS	460	60	1.15	F	B	0.4	G	TEXP	55	40° C	T3C	54.3

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 %				
262.0	1825	579.4	95.8	95.7	95.3	95.0	0.87	0.89	0.85	368.4	70	175	6314	6314	6 Lead Δ	2370

NAME PLATE

 North American Electric, Inc.															CONNECTION DIAGRAMS ACROSS THE LINE 		
PREMIUM EFFICIENT EXPLOSION PROOF MOTOR																	
CAT NO: PEXP449TS-250-2			FRAME 449TS			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 579.4			MAX AMPS		SER												
DIVISION 1 CLASS I GROUP C D CLASS II GROUP F G						OPER TEMP CODE T3C											
60 HERTZ DATA	HP 250		RPM 3585		HP 250		RPM 2988		50 HERTZ DATA								
	VOLTS 460				VOLTS 380												
	F.L. AMPS 262				F.L. AMPS 317												
	S.F. AMPS 301.3				S.F. AMPS 317												
	S.F. 1.15 DESIGN B CODE G				S.F. 1.0 DESIGN B CODE H												
	NEMA NOM.EFF. 95.8 % P.F. 0.87				NEMA NOM.EFF. 95.7 % P.F. 0.87												
	NEMA MIN.EFF. 95.0 %				NEMA MIN.EFF. 94.8 %												
MAX. KVAR 54.3		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.