

PEXP449T-250-4

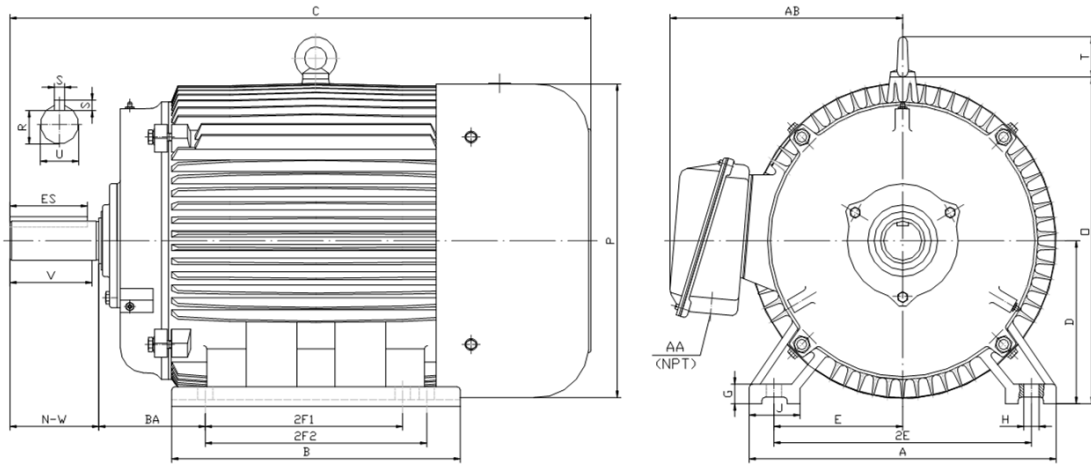
EXPLOSION PROOF ELECTRIC MOTOR

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
250	1800	449T	21.70	31.40	52.80	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	
3.38	8.25	2.88	0.88	6.91	8.50	3.00	19.90	6318	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



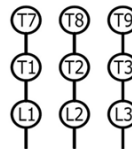
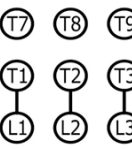
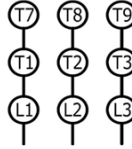






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EXPLOSION PROOF ELECTRIC MOTOR
NEMA PREMIUM EFFICIENCY
TOTALLY ENCLOSED FAN COOLED; EXPLOSION PROOF ENCLOSURE
CLASS I DIVISION I GROUP C & D; CLASS II DIVISION I GROUP F & G
OPERATING TEMP CODE T3C
PERFORMANCE DATA

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	1788	449T	460	60	1.15	F	B	0.7	G	TEXP	55	40° C	T3C	65.8

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 %				
268.0	1825	592.7	96.2	96.3	96.0	95.4	0.85	0.86	0.87	734.0	80	175	6318	6314	6 Lead Δ	2381

NAME PLATE

 North American Electric, Inc.															CONNECTION DIAGRAMS ACROSS THE LINE 		
PREMIUM EFFICIENT EXPLOSION PROOF MOTOR																	
CAT NO: PEXP449T-250-4			FRAME 449T			PHASE 3											
DE BRG 6318		ODE BRG 6314		CONN. 6 Lead Δ													
MAX AMB. 40° C		INS. CLASS F		RATING CONT		WEIGHT 2381											
USABLE ON 208V 60HZ AT 592.7				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 1788		HP 250		RPM 1490		50 HERTZ DATA			PWS START 					
	VOLTS 460				VOLTS 380												
	F.L. AMPS 268				F.L. AMPS 324												
	S.F. AMPS 308.2				S.F. AMPS 324												
	S.F. 1.15 DESIGN B CODE G				S.F. 1.0 DESIGN B CODE H												
	NEMA NOM.EFF. 96.2 % P.F. 0.85				NEMA NOM.EFF. 95.9 % P.F. 0.85												
	NEMA MIN.EFF. 95.4 %				NEMA MIN.EFF. 95.1 %												
MAX. KVAR 65.8		LUB. Mobil Polyrex EM							PWS RUN 								
<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.