

PEXP254T-7.5-6

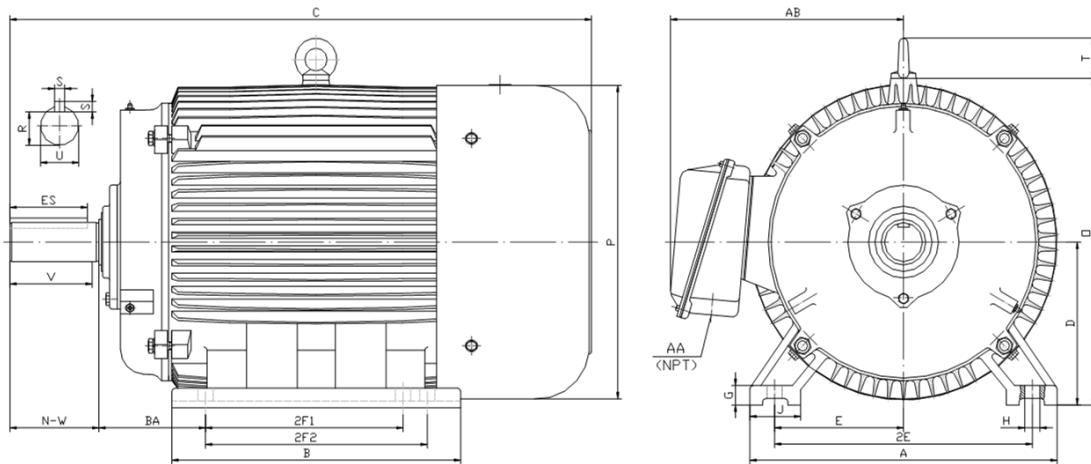
EXPLOSION PROOF ELECTRIC MOTOR

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
7.5	1200	254T	13.00	12.20	23.20	6.25	0.70	0.53	2.75	5.00	10.00	8.25	0.00	13.20	12.80	2.20	4.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.63	3.75	1.42	0.38	2.91	4.00	1.25	10.30	6309	6309	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



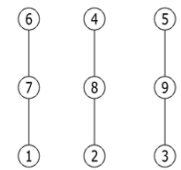






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EXPLOSION PROOF ELECTRIC MOTOR
NEMA PREMIUM EFFICIENCY
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PERFORMANCE DATA

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
7.5	1186	254T	208-230/460	60	1.15	F	B	1.2	H	TEXP	55	40° C	T3C	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 %				
12.5	63.5	27.6	91.0	91.0	89.0	89.5	0.78	0.73	0.62	33.2	150	205	6309	6309	9 Lead 2Δ/Δ	386

NAME PLATE

 North American Electric, Inc.															CONNECTION DIAGRAMS 208V-230V 				
PREMIUM EFFICIENT EXPLOSION PROOF MOTOR																			
CAT NO: PEXP254T-7.5-6			FRAME 254T			PHASE 3													
DE BRG 6309			ODE BRG 6309			CONN. 9 Lead 2Δ/Δ													
MAX AMB. 40° C			INS. CLASS F			RATING CONT		WEIGHT 386											
USABLE ON 208V 60HZ AT 27.6						MAX AMPS		SER											
DIVISION 1 CLASS I GROUP C D CLASS II GROUP F G								OPER TEMP CODE T3C											
60 HERTZ DATA		HP 7.5			RPM 1186			HP 7.5			RPM 988			50 HERTZ DATA					
		VOLTS 208-230/460						VOLTS 190/380											
		F.L. AMPS 27.6 - 25 / 12.5						F.L. AMPS 30.3/15.2											
		S.F. AMPS 14.4						S.F. AMPS 30.3/15.2											
		S.F. 1.15 DESIGN B CODE H						S.F. 1.0 DESIGN B CODE J											
		NEMA NOM.EFF. 91.0 % P.F. 0.78						NEMA NOM.EFF. 88.0 % P.F. 0.78											
		NEMA MIN.EFF. 89.5 %						NEMA MIN.EFF. 85.6 %											
MAX. KVAR 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>										   CC 041B									
Hernando, Mississippi																			

	ELECTRIC MOTORS FOR HAZARDOUS LOCATIONS
	<small>CLASS I DIVISION I GROUP C D, CLASS II DIVISION I GROUP F G NO. CCXXXXX E310089</small>

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.