

PEXP145T-1.5-4

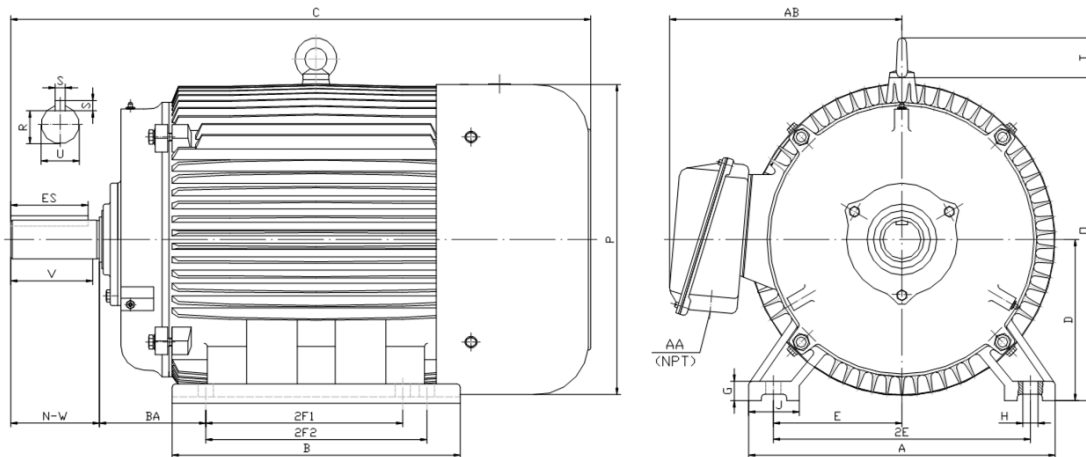
EXPLOSION PROOF ELECTRIC MOTOR

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
1.5	1800	145T	7.00	6.20	14.60	3.50	0.50	0.34	1.40	2.75	5.50	4.00	5.00	7.10	6.95	0.00	2.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
0.875	2.00	0.771	0.188	1.41	2.25	0.75	6.10	6205-ZZ	6205-ZZ	F1

BEARING LUBRICATION: The bearings come lubricated with Mobil Polyrex EM Polyurea Grease.



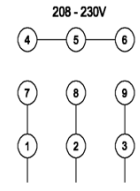
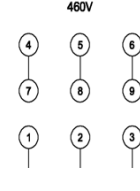






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PERFORMANCE DATA

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
1.5	1769	145T	208-230/460	60	1.15	F	B	1.7	M	TEXP	55	40° C	T3C	0.8

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 %				
2.0	20.0	4.3	86.5	86.0	83.0	84.0	0.79	0.71	0.58	6.0	250	280	6205-ZZ	6205-ZZ	9 Lead 2Y/Y	88

NAME PLATE

 North American Electric, Inc.				PREMIUM EFFICIENT EXPLOSION PROOF MOTOR		CONNECTION DIAGRAMS	
CAT NO: PEXP145T-1.5-4		FRAME 145T		PHASE 3			
DE BRG 6205-ZZ		ODE BRG 6205-ZZ		CONN. 9 Lead 2Y/Y			
MAX AMB. 40° C		INS. CLASS F		RATING CONT WEIGHT 88			
USABLE ON 208V 60HZ AT 4.3		MAX AMPS		SER			
DIVISION 1 CLASS I GROUP C D CLASS II GROUP F G		OPER TEMP CODE T3C					
HP 1.5 RPM 1769		HP 1.5 RPM 1474					
VOLTS 208-230/460		VOLTS 190/380					
F.L. AMPS 4.3 - 3.9 / 1.95		F.L. AMPS 4.7/2.4					
S.F. AMPS 2.2		S.F. AMPS 4.7/2.4					
S.F. 1.15 DESIGN B CODE M		S.F. 1.0 DESIGN B CODE N					
NEMA NOM.EFF. 86.5 % P.F. 0.79		NEMA NOM.EFF. 84.2 % P.F. 0.79					
NEMA MIN.EFF. 84.0 %		NEMA MIN.EFF. 81.0 %					
MAX. KVAR 0.8		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
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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.