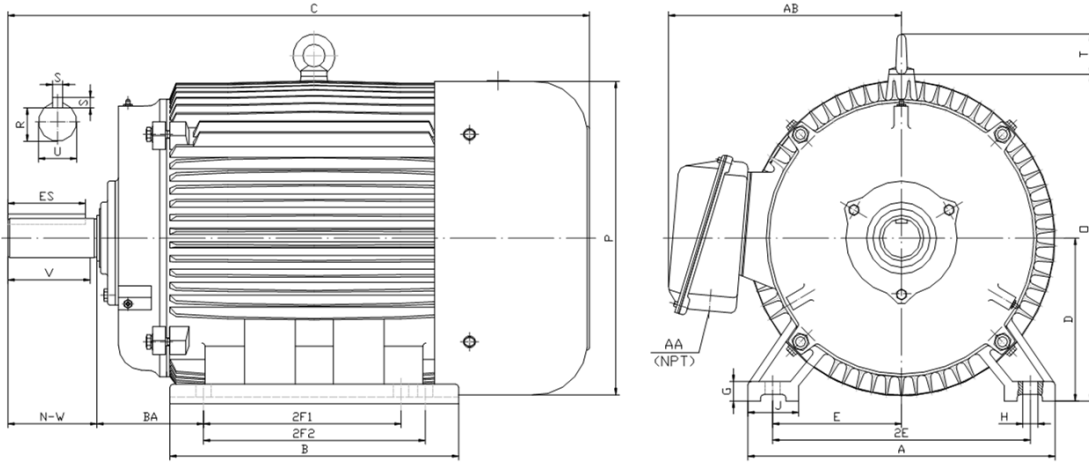


PEXP405T-75-6

**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
75	1200	405T	19.30	17.90	38.00	10.00	1.25	0.81	3.15	8.00	16.00	12.25	13.75	21.10	21.60	2.60	6.62

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.88	7.00	2.45	0.75	5.65	7.25	3.00	16.60	6316	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



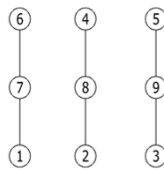
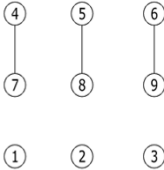






PEXP405T-75-6
EXPLOSION PROOF ELECTRIC MOTOR
NEMA PREMIUM EFFICIENCY
TOTALLY ENCLOSED FAN COOLED; EXPLOSION PROOF ENCLOSURE
CLASS I DIVISION I GROUP C & D; CLASS II DIVISION I GROUP F & G
OPERATING TEMP CODE T3C
PERFORMANCE DATA

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
75	1192	405T	208-230/460	60	1.15	F	B	0.7	G	TEXP	55	40° C	T3C	19.4

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 %				
84.0	542.5	185.8	94.5	94.6	94.2	93.6	0.83	0.83	0.78	330.0	135	200	6316	6314	9 Lead 2Δ/Δ	1349

NAME PLATE

 North American Electric, Inc.															CONNECTION DIAGRAMS 208V-230V 		
PREMIUM EFFICIENT EXPLOSION PROOF MOTOR																	
CAT NO: PEXP405T-75-6			FRAME 405T			PHASE 3											
DE BRG 6316		ODE BRG 6314		CONN. 9 Lead 2Δ/Δ													
MAX AMB. 40° C		INS. CLASS F		RATING CONT		WEIGHT 1349											
USABLE ON 208V 60HZ AT 185.8			MAX AMPS		SER												
DIVISION 1 CLASS I GROUP C D CLASS II GROUP F G						OPER TEMP CODE T3C											
60 HERTZ DATA	HP 75		RPM 1192		HP 75		RPM 993		50 HERTZ DATA			460V 					
	VOLTS 208-230/460				VOLTS 190/380												
	F.L. AMPS 185.8 - 168 / 84				F.L. AMPS 203.4/101.7												
	S.F. AMPS 96.6				S.F. AMPS 203.4/101.7												
	S.F. 1.15 DESIGN B CODE G				S.F. 1.0 DESIGN B CODE H												
	NEMA NOM.EFF. 94.5 % P.F. 0.83				NEMA NOM.EFF. 94.1 % P.F. 0.83												
	NEMA MIN.EFF. 93.6 %				NEMA MIN.EFF. 92.9 %												
MAX. KVAR 19.4		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.