

PEXP215TC-10-4

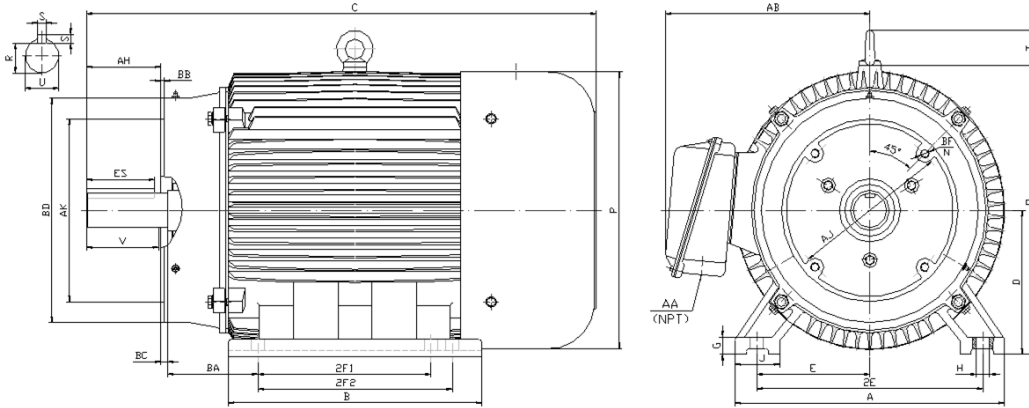
EXPLOSION PROOF ELECTRIC MOTOR

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
10	1800	215TC	11.00	9.40	20.40	5.25	0.70	0.41	2.40	4.25	8.50	5.50	7.00	11.20	11.60	1.90	3.50

FLANGE							Shaft Extension, Key Set						Conduit Box		Bearings		Mount
AH	AJ	AK	BB	BC	BD	BF	U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.12	7.25	8.50	0.25	0.25	9.00	4*1/2-13	1.38	3.12	1.20	0.31	2.41	3.38	1.00	9.00	6308-ZZ	6308-ZZ	F1

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



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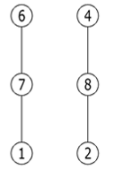
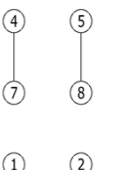



OPERATING TEMP CODE T3C


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
10	1772	215TC	208-230/460	60	1.15	F	B	1.6	H	TEXP	55	40° C	40° C	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 %				
12.2	81	26.98	91.7	92.0	90.0	90.2	0.860	0.864	0.780	29.8	165	200	6308-ZZ	6308-ZZ	9 Lead 2Δ/Δ	262

NAME PLATE

 North American Electric, Inc.												CONNECTION DIAGRAMS 208V-230V 					
PREMIUM EFFICIENT EXPLOSION PROOF MOTOR																	
CAT NO:		PEXP215TC-10-4		FRAME		215TC		PHASE		3		460V 					
DE BRG		6308-ZZ		ODE BRG		6308-ZZ		CONN.		9 Lead 2Δ/Δ							
MAX AMB.		40° C		INS. CLASS		F		RATING		CONT		WEIGHT		262			
USABLE ON 208V 60HZ AT				27.0		MAX AMPS		SER									
DIVISION 1 CLASS I GROUP C D CLASS II GROUP F G						OPER TEMP CODE						40° C					
60 HERTZ DATA	HP		10		RPM		1772		HP		10		RPM		1477		
	VOLTS				208-230/460				VOLTS				190/380				
	F.L. AMPS				12.2				F.L. AMPS				29.5/14.8				
	S.F. AMPS				14.0				S.F. AMPS				29.5/14.8				
	S.F. 1.15 DESIGN B CODE H				S.F. 1.0 DESIGN B CODE H												
	NEMA NOM.EFF. 91.7 % P.F. 0.86				NEMA NOM.EFF. 91.7 % P.F. 0.86												
	NEMA MIN.EFF. 90.2 %				NEMA MIN.EFF. 88.5 %												
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 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.