

**PEXP215TC-10-2**

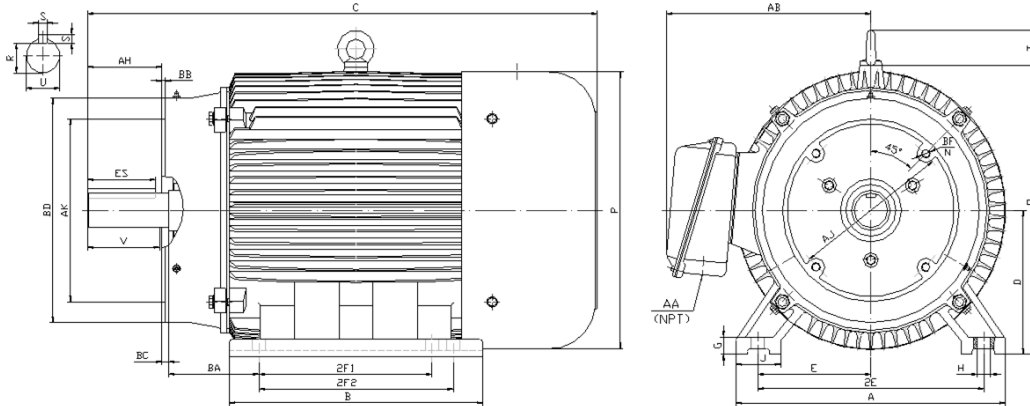
**EXPLOSION PROOF ELECTRIC MOTOR**

**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	3600	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.**



## PEXP215TC-10-2

**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**



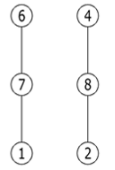
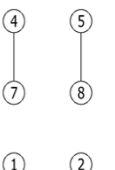



**OPERATING TEMP CODE T3C**


### 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
10	3540	215TC	208-230/460	60	1.15	F	B	1.7	H	TEXP	55	40° C	40° C	2.2

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 %	6308-ZZ	6308-ZZ	9 Lead 2Δ/Δ	262
11.5	81	25.43	90.2	90.2	89.0	88.5	0.880	0.916	0.872	14.9	135	200				

### NAME PLATE

 										<b>CONNECTION DIAGRAMS</b>  <b>208V-230V</b> 						
<b>PREMIUM EFFICIENT EXPLOSION PROOF MOTOR</b>																
CAT NO:		PEXP215TC-10-2			FRAME		215TC		PHASE		3		<b>460V</b> 			
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				25.4		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		3540		HP		10		RPM		2950	
	VOLTS				208-230/460				VOLTS				190/380			
	F.L. AMPS				11.5				F.L. AMPS				27.8/13.9			
	S.F. AMPS				13.2				S.F. AMPS				27.8/13.9			
	S.F. 1.15 DESIGN B CODE H								S.F. 1.0 DESIGN B CODE H							
	NEMA NOM.EFF. 90.2 % P.F. 0.88								NEMA NOM.EFF. 90.2 % P.F. 0.88							
	NEMA MIN.EFF. 88.5 %								NEMA MIN.EFF. 88.1 %							
MAX. KVAR				2.2				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				

	<b>ELECTRIC MOTORS FOR HAZARDOUS LOCATIONS</b> 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.