

PEXP284TC-25-4

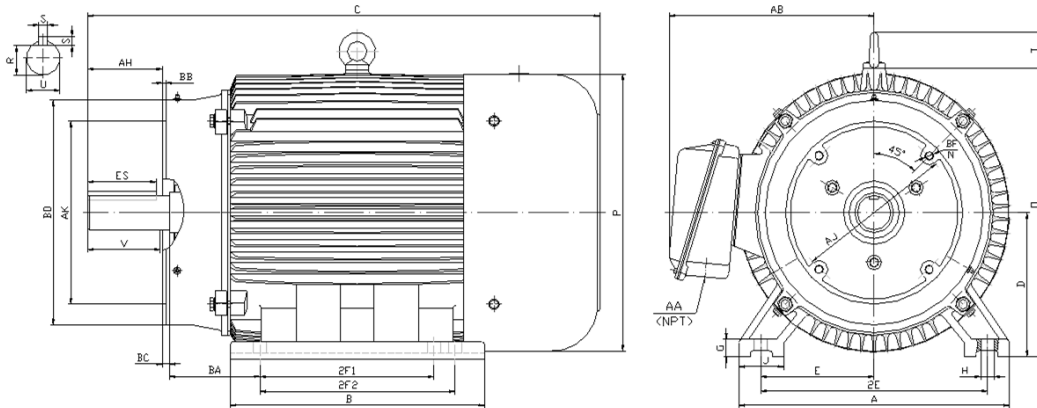
EXPLOSION PROOF ELECTRIC MOTOR

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
25	1800	284TC	14.00	13.20	26.60	7.00	0.85	0.53	2.75	5.50	11.00	9.50	0.00	14.50	14.00	2.20	4.75

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	
4.38	9.00	10.50	0.25	0.25	11.25	4*1/2-13	1.88	4.38	1.59	0.50	3.28	4.62	1.50	11.30	6311	6311	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



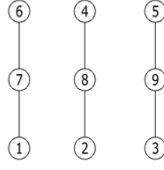






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EXPLOSION PROOF ELECTRIC MOTOR
NEMA PREMIUM EFFICIENCY
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CLASS I DIVISION I GROUP C & D; CLASS II DIVISION I GROUP F & G
OPERATING TEMP CODE T3C
PERFORMANCE DATA

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
25	1778	284TC	208-230/460	60	1.15	F	B	1.2	G	TEXP	55	40° C	40° C	6.8

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 %	6310	6310	9 Lead 2Δ/Δ	558
27.5	182.5	60.82	93.6	93.6	93.1	92.4	0.850	0.857	0.799	74.3	150	200				

NAME PLATE

 						CONNECTION DIAGRAMS 208V-230V 										
PREMIUM EFFICIENT EXPLOSION PROOF MOTOR																
CAT NO:		PEXP284TC-25-4		FRAME		284TC		PHASE		3						
DE BRG		6310		ODE BRG		6310		CONN.		9 Lead 2Δ/Δ						
MAX AMB.		40° C		INS. CLASS		F		RATING		CONT		WEIGHT		558		
USABLE ON 208V 60HZ AT				60.8		MAX AMPS		SER								
DIVISION 1 CLASS I GROUP C D CLASS II GROUP F G						OPER TEMP CODE 40° C										
60 HERTZ DATA	HP		25		RPM		1778		HP		25		RPM		1482	
	VOLTS				208-230/460				VOLTS				190/380			
	F.L. AMPS				27.5				F.L. AMPS				66.6/33.3			
	S.F. AMPS				31.6				S.F. AMPS				66.6/33.3			
	S.F. 1.15 DESIGN				B CODE G				S.F. 1.0 DESIGN				B CODE H			
	NEMA NOM.EFF.				93.6 % P.F. 0.85				NEMA NOM.EFF.				93.6 % P.F. 0.85			
	NEMA MIN.EFF.				92.4 %				NEMA MIN.EFF.				91.1 %			
MAX. KVAR				6.8				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>												   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.