

PEXP365TC-75-4

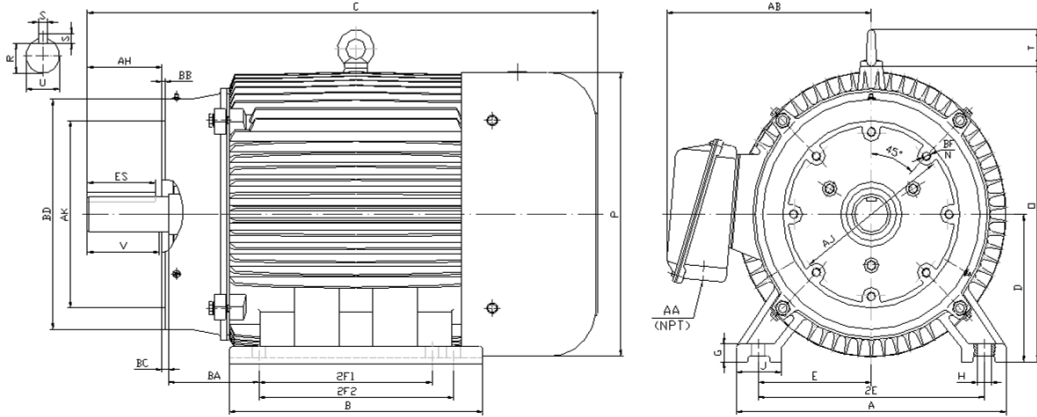
EXPLOSION PROOF ELECTRIC MOTOR

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
75	1800	365TC	17.10	15.40	33.50	9.00	1.10	0.66	2.95	7.00	14.00	11.25	12.25	18.50	18.40	2.60	5.88

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	
5.62	11.00	12.50	0.25	0.25	14.00	8*5/8-11	2.38	5.62	2.02	0.63	4.28	5.88	3.00	15.00	6313	6313	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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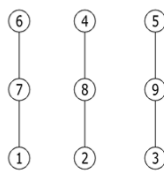
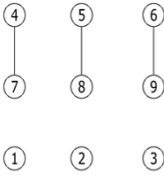



OPERATING TEMP CODE T3C

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	1786	365TC	208-230/460	60	1.15	F	B	0.8	G	TEXP	55	40° C	40° C	23.3

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 %	6314	6314	9 Lead 2Δ/Δ	957	
86.5	542.5	191.3	95.4	95.3	94.5	94.5	0.850	0.904	0.856	220.6	140	200					

NAME PLATE

 										CONNECTION DIAGRAMS 208V-230V 		
CAT NO: 75			FRAME 365TC			PHASE 3						
DE BRG 6314		ODE BRG 6314		CONN. 9 Lead 2Δ/Δ								
MAX AMB. 40° C		INS. CLASS F		RATING CONT		WEIGHT 957						
USABLE ON 208V 60HZ AT 191.3				MAX AMPS		SER						
DIVISION 1 CLASS I GROUP C D CLASS II GROUP F G						OPER TEMP CODE 40° C						
60 HERTZ DATA	HP 75		RPM 1786		HP 75		RPM 1488					
	VOLTS 208-230/460				VOLTS 190/380							
	F.L. AMPS 86.5				F.L. AMPS 209.4/104.7							
	S.F. AMPS 99.5				S.F. AMPS 209.4/104.7							
	S.F. 1.15 DESIGN B CODE G				S.F. 1.0 DESIGN B CODE H							
	NEMA NOM.EFF. 95.4 % P.F. 0.85				NEMA NOM.EFF. 95.4 % P.F. 0.85							
	NEMA MIN.EFF. 94.5 %				NEMA MIN.EFF. 93.5 %							
	MAX. KVAR 23.3		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>										460V 		
   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

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.