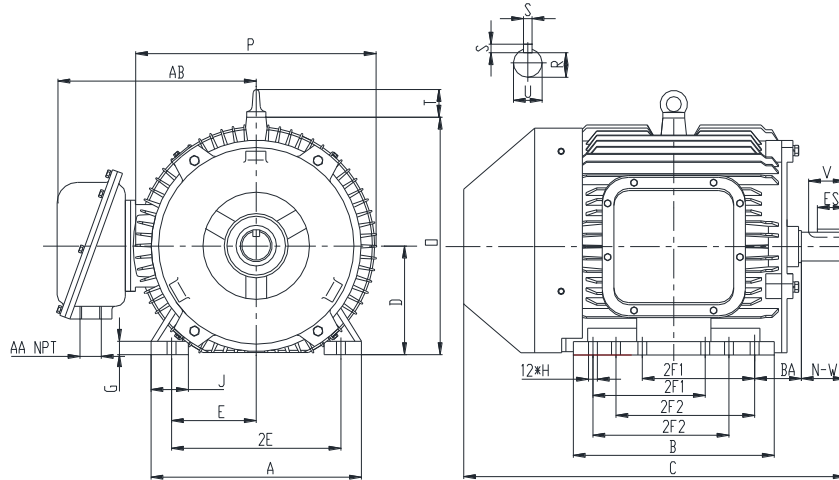




PEXP184T-5-4

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
T3C, with Ambient Temperature Rating: -20 ° C to 55 ° C @ 1.15 SF
T3C, with Ambient Temperature Rating: -20 ° C to 40 ° C @ 1.0 SF for Inverter Duty



DIMENSIONS

HP	RPM	Frame	MOUNTING														
			A	B	C	D	G	H	J	E	2E	2F1	2F2	O	P	T	BA
5	1800	184T	8.9	8.97	18.43	4.5	0.68	0.41	1.7	3.75	7.5	4.5	5.5	9.9	10.63	2.04	2.75

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.125	2.5	0.986	0.25	1.78	2.75	0.75	9.41	6306-ZZ	6306-ZZ	F1

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





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T3C, with Ambient Temperature Rating: -20 ° C to 55 ° C @ 1.15 SF




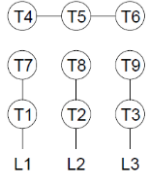
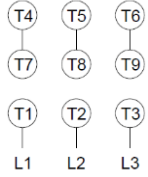
T3C, with Ambient Temperature Rating: -20° C to 40° C @ 1.0 SF for Inverter Duty

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
5	1767	184T	208-230/460	60	1.15	F	B	1.8	J	TEXP	55	40 °C	T3C	2.4

Amps (460V)		Max. Amps (208V)	Efficiency (%)			Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	60Hz	100%	75%	50%	100%	75%	50%	FLT	LRT %	BDT %				
7	46	15.48	89.5	89.2	87.0	0.81	0.75	0.66	14.9	185	225	6306-ZZ	6306-ZZ	9 Lead 2Y/Y	146

NAME PLATE


		AC INDUCTION MOTOR PREMIUM EFFICIENCY EXPLOSION-PROOF						CONNECTION DIAGRAMS					
CAT. NO.		PEXP184T-5-4		FRAME	184T	RATING	CONT	PHASE 3					
DE BRG.		6306-ZZ		ODE BRG.	6306-ZZ	LUB.		Mobil Polyrex EM					
MAX. AMB.		40 °C		INS. CLASS	F	CONN.	9 Lead 2Y/Y		SER.				
USABLE ON 208V 60HZ AT		15.5 MAX AMPS		ENCL	TEXP	WEIGHT		146					
60 HERTZ DATA	HP	5		RPM	1767		HP	5		RPM	1473		
	VOLTS	208-230/460				VOLTS	190/380						
	F.L. AMPS	15.5 - 14 / 7				F.L. AMPS	16.9/8.5						
	S.F. AMPS	8.05				S.F. AMPS	16.9/8.5						
	S.F.	1.15	DESIGN	B	CODE	J	S.F.	1.0	DESIGN	B	CODE	K	
	NEMA NOM.EFF	89.5		NOM. P.F.	0.81		NEMA NOM.EFF	88.4		NOM. P.F.	0.81		
NEMA MIN.EFF	87.5		MAX. KVAR	2.4		NEMA MIN.EFF	86.1						
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.								CC041B					
Hernando, MS 38632													
											208-230V 		
											460V 		



PEXP184T-5-4

**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
 T3C, with Ambient Temperature Rating: -20 ° C to 55 ° C @ 1.15 SF
 T3C, with Ambient Temperature Rating: -20° C to 40° C @ 1.0 SF for Inverter Duty**

UL NAME PLATE

 LISTED E310089	ELECTRIC MOTOR FOR HAZARDOUS LOCATIONS			NO.XXXXXX
	Classes and Groups	Temp. code	Max. Amb.	Frame
	CLASS I DIVISION 1 GROUP C D,	T3C	40°C, 55°C	140/180/210
	CLASS II DIVISION 1 GROUP F G.	T3C	40°C	250~449
	CLASS I DIVISION 1 GROUP C D.	T2B	55°C	250~449
Inverter Rated				
PWM - Constant Torque - 12 to 60 Hertz, Variable Torque - 6 to 60 Hertz when the input to the PWM is 480V/60Hz;				
PWM - Constant Torque - 10 to 50 Hertz, Variable Torque - 5 to 50 Hertz, when the input to the PWM is 380V/50Hz.				
NEMA MG1-Part 31				8AP.866.1102

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.