



PE184T-5-2

GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31

Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G



DIMENSIONS

HP	RPM	Frame	MOUNTING														
			A	B	C	D	G	H	J	E	2E	2F1	2F2	O	P	T	BA
5	3600	184T	9.5	8.3	17.1	4.5	0.6	0.41	2	3.75	7.5	4.5	5.5	9.1	8.7	1.6	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	7.5	6306-ZZ	6306-ZZ	F1

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





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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
5	3515	184T	208-230/460	60	1.15	F	B	2.4	J	TEFC	55	40 °C

Amps (460V)		Efficiency (%)			Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	100%	75%	50%	FLT	LRT %	BDT %				
5.8	46	88.5	88.0	86.5	0.90	0.85	0.75	7.46	170	285	6306-ZZ	6306-ZZ	9 Lead 2Y/Y	102

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS		
CAT NO. PE184T-5-2		FRAME 184T		PHASE 3								
HZ 60 S.F. 1.15		HZ 50 S.F. 1.0		ENCL TEFC		IP 55		208-230V 				
HP 5 RPM 3515		HP 5 RPM 2900		DUTY CONT		DES B						
VOLTS 208-230/460		VOLTS 190/380		AMB 40 °C		INS F						
AMPS 13 - 11.6 / 5.8		AMPS 14/7		DE BRG		6306-ZZ						
CODE J P.F. 0.90		CODE F P.F. 0.92		ODE BRG		6306-ZZ						
EFF 88.5 MIN 86.5		EFF 86.5 MIN 84.5		LUB: Mobil Polyrex EM				460V 				
MOTOR WEIGHT 102 LBS		CONNECTION 9 Lead 2Y/Y		SER NO								
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi								CC082A				

APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments.