

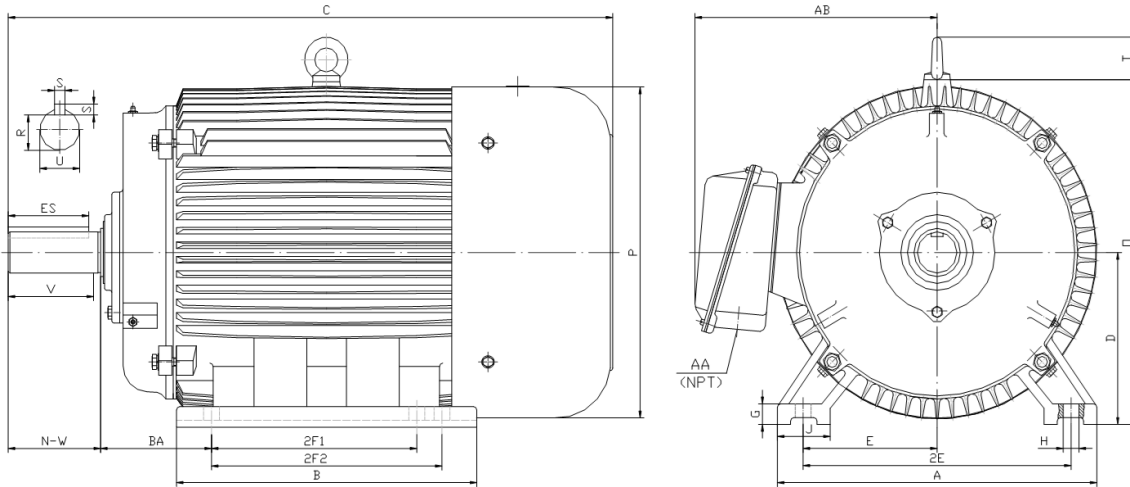


**PE145T-2-4**

**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
2	1800	145T	7.00	6.20	14.60	3.50	0.50	0.34	1.40	2.75	5.50	4.00	5.00	7.10	6.95	0.00	2.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
0.875	2.00	0.771	0.188	1.41	2.25	0.75	6.10	6205-ZZ	6205-ZZ	F1

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



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**AC-DC MOTORS :: SALES & SERVICE  
REWINDING :: CUSTOM CONTROL PANEL**

**Kelly MacMillan**  
Office PH: 888.226.4917 Ext. 102  
Fax: 888.226.4917  
Cell: 402.679.1579  
E-Mail: [kelly@electricalhelper.com](mailto:kelly@electricalhelper.com)



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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
2	1745	145T	208-230/460	60	1.15	F	B	3.1	L	TEFC	55	40° C

Amps (460V)		Efficiency (%)				Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	Min.	100%	75%	50%	FLT	LRT %	BDT %				
3.1	25	86.5	86.5	84.5	84.0	0.720	0.650	0.520	6.1	235	280	6205-ZZ	6205-ZZ	9 Lead 2Y/Y	56

**NAME PLATE**

														<b>INVERTER DUTY 20:1 VT; 10:1 CT</b>				<b>CONNECTION DIAGRAMS</b>			
CAT NO: PE145T-2-4				FRAME 145T				PHASE 3				<b>208-230V</b> 									
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55																
HP 2	RPM 1745	HP 2	RPM 1415	DUTY CONT	DES B																
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C				INS F									
FLA 6.6 - 6.2 / 3.1		FLA 7.0/3.5				DE BEARING 6205-ZZ															
CODE L	P.F. 0.72	CODE G	P.F. 0.79	ODE BEARING 6205-ZZ																	
EFF 86.5	MIN 84.0	EFF 84	MIN 81.5	LUB: Mobil Polyrex EM																	
MOTOR WEIGHT 56 LBS		CONNECTION 9 Lead 2Y/Y				SER NO				<b>460V</b> 											
General purpose use on industrial machinery installed in damp, dusty or dirty environments.																CC 082A					

**APPLICATIONS:**

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



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