

PE145TC-1-6

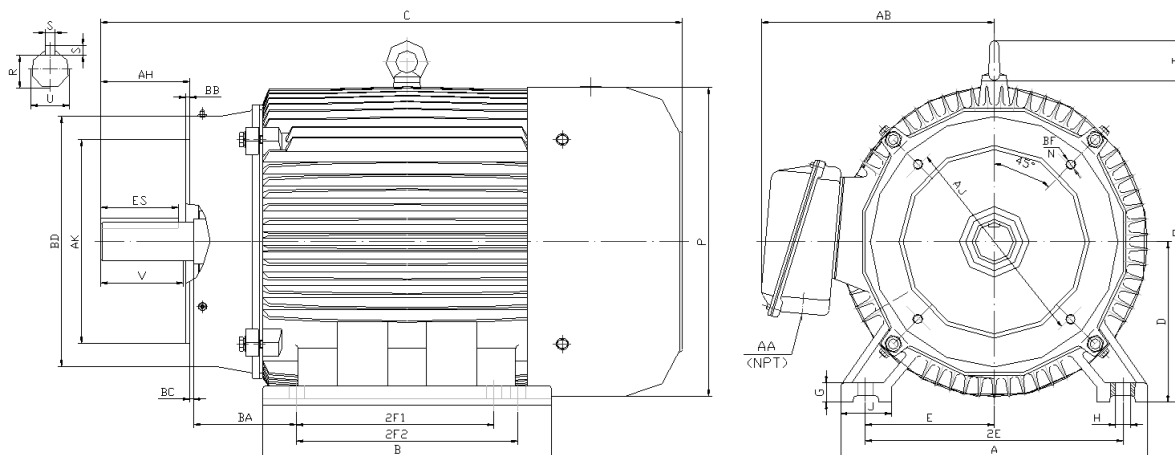
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

THREE PHASE, TOTALLY ENCLOSED FAN COOLED - C-FLANGE W/ FEET

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
1	1200	145TC	7.00	7.20	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

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	
2.12	5.88	4.50	0.16	0.12	6.50	4*3/8-16	0.88	2.00	0.77	0.19	1.41	NA	0.75	6.10	6205-ZZ	6205-ZZ	

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
1	1160	145TC	208-230/460	60	1.15	F	B	3.3	M	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 %				
1.8	15.0	82.5	81.0	79.0	80.0	0.620	0.540	0.430	4.6	200	290	6205-ZZ	6205-ZZ	9 Lead 2Y/Y	57

NAME PLATE

 North American Electric, Inc. 												CONNECTION DIAGRAMS	
CAT NO: PE145TC-1-6				FRAME 145TC				PHASE 3				208-230V T4 T5 T6 T7 T8 T9 T1 T2 T3 L1 L2 L3	
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55			
HP 1		RPM 1160		HP 1		RPM 950		DUTY CONT		DES B			
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F			
FLA 4 - 3.6 / 1.8				FLA 4.0/2.0				DE BEARING 6205-ZZ					
CODE M		P.F. 0.62		CODE K		P.F. 0.69		ODE BEARING 6205-ZZ				460V T4 T5 T6 T7 T8 T9 T1 T2 T3 L1 L2 L3	
EFF 82.5		MIN 80.0		EFF 80.5		MIN 78		LUB: Mobil Polyrex EM					
MOTOR WEIGHT 57 LBS				CONNECTION 9 Lead 2Y/Y				SER NO					
General purpose use on industrial machinery installed in damp, dusty or dirty environments.    CC 082A Hernando, Mississippi													

APPLICATIONS:

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