



PE145TC-1.5-4C

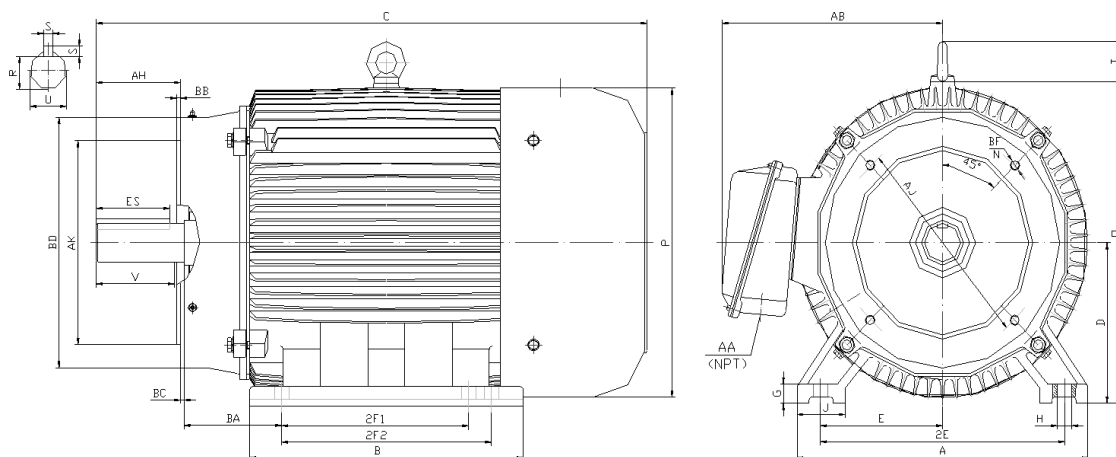
GENERAL PURPOSE ELECTRIC MOTOR

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
1.5	1800	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	5.875	4.50	0.16	0.12	6.50	4*3/8-16	0.875	2	0.771	0.188	1.41	NA	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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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
1.5	1750	145TC	208-230/460	60	1.15	F	C	2.8	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 %	6205-ZZ	6205-ZZ	9 Lead 2Y/Y	50
2.2	20.0	86.5	86.0	83.5	84.0	0.700	0.620	0.480	4.54	290	330				

NAME PLATE

 North American Electric, Inc. 										CONNECTION DIAGRAMS			
CAT NO: PE145TC-1.5-4C			FRAME 145TC			PHASE 3				208-230V T4 T5 T6 T7 T8 T9 T1 T2 T3 L1L2L3			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55			
HP 1.5		RPM 1750		HP 1.5		RPM 1430		DUTY CONT		DES C			
VOLTS 208-230/460			VOLTS 190/380			AMB 40° C		INS F					
FLA 4.7 - 4.4 / 2.2			FLA 5.4/2.7			DE BEARING 6205-ZZ							
CODE M		P.F. 0.70		CODE H		P.F. 0.75		ODE BEARING 6205-ZZ					
EFF 86.5		MIN 84.0		EFF 84		MIN 81.5		LUB: Mobil Polyrex EM					
MOTOR WEIGHT 50 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												460V T4 T5 T6 T7 T8 T9 T1 T2 T3 L1L2L3	

APPLICATIONS:

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