



PE143TC-1-4C

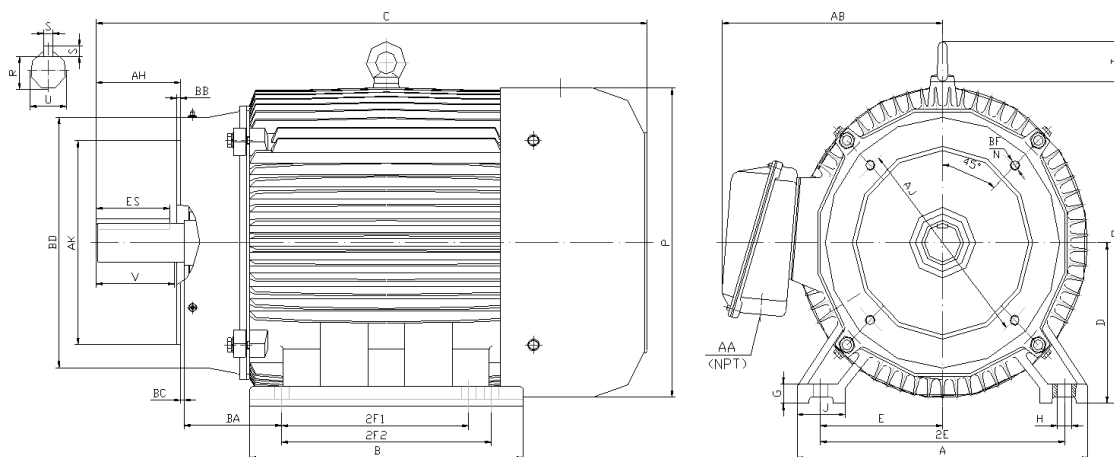
GENERAL PURPOSE ELECTRIC MOTOR

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	1800	143TC	7.00	6.20	13.60	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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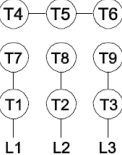
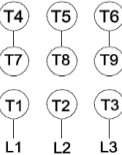
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
1	1745	143TC	208-230/460	60	1.15	F	C	3.1	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	47
1.5	15.0	85.5	85.0	83.6	82.5	0.710	0.620	0.490	3.02	290	310				

NAME PLATE

North American Electric, Inc.  INVERTER DUTY 20:1 VT; 10:1 CT												CONNECTION DIAGRAMS			
CAT NO:		PE143TC-1-4C				FRAME		143TC		PHASE 3		208-230V 			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55					
HP 1		RPM 1745		HP 1		RPM 1430		DUTY CONT		DES C					
VOLTS		208-230/460				VOLTS		190/380		AMB 40° C				INS F	
FLA		3.2 - 3 / 1.5				FLA		3.6/1.8		DE BEARING				6205-ZZ	
CODE M		P.F. 0.71		CODE H		P.F. 0.77		ODE BEARING		6205-ZZ					
EFF 85.5		MIN 82.5		EFF 83		MIN 80		LUB:		Mobil Polyrex EM					
MOTOR WEIGHT		47 LBS		CONNECTION				9 Lead 2Y/Y		SER NO		460V 			
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.