



PE143TC-1-4-RB-AI

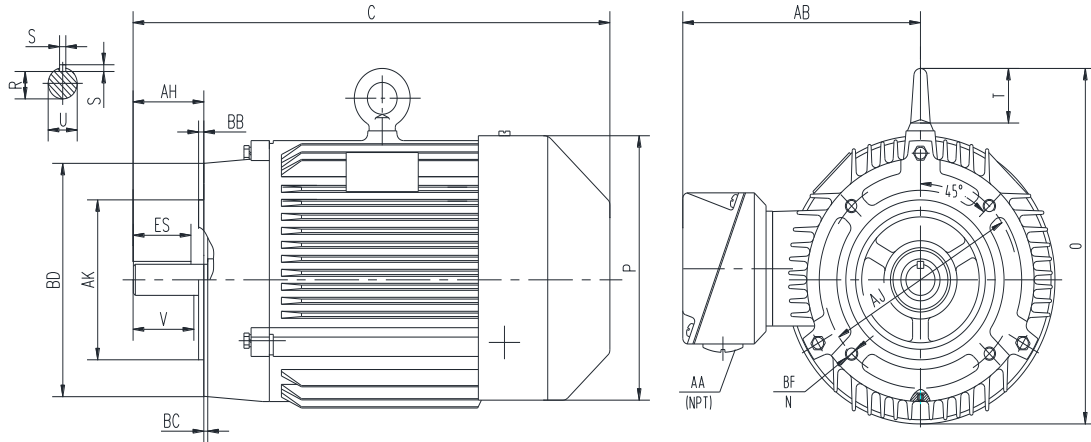
GENERAL PURPOSE ELECTRIC MOTOR

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	NA	NA	14.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.17	1.42	NA

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	2.00	0.771	0.189	1.42	2.25	0.75	7.28	6206-ZZ	6206-ZZ	F1

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





PE143TC-1-4-RB-AI

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

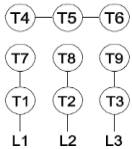
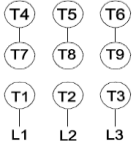
Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

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	1740	143TC	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 %	6206-ZZ	6206-ZZ	9 Lead 2Y/Y	65
1.5	15.0	85.5	85.0	83.6	82.5	0.760	0.710	0.580	3.0	300	310				

NAME PLATE

 AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT																				CONNECTION DIAGRAMS					
CAT NO: PE143TC-1-4-RB-AI				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 1740		HP 1		RPM 1440		DUTY CONT		DES B															
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F															
FLA 3.3 - 3 / 1.5				FLA 3.4/1.7				DE BEARING 6206-ZZ																	
CODE M		P.F. 0.76		CODE P		P.F. 0.76		ODE BEARING 6206-ZZ				460V 													
EFF 85.5		MIN 82.5		EFF 84.0		MIN 81.5		LUB: Mobil Polyrex EM																	
MOTOR WEIGHT 65 LBS				CONNECTION 9 Lead 2Y/Y				SER NO																	
General purpose use on industrial machinery installed in damp, dusty or dirty environments.  CC113B 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.