



PE145TC-2-4-RB-AI

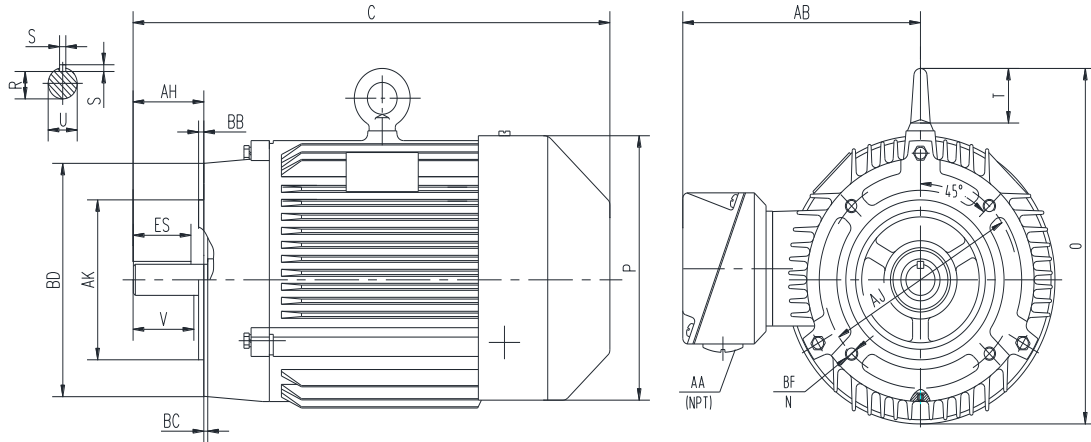
GENERAL PURPOSE ELECTRIC MOTOR

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
2	1800	145TC	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	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
2	1740	145TC	208-230/460	60	1.15	F	B	3.3	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 %	6206-ZZ	6206-ZZ	9 Lead 2Y/Y	66
2.8	25.0	86.5	86.7	86.4	84.0	0.800	0.750	0.630	6.1	320	330				

NAME PLATE

 AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT												CONNECTION DIAGRAMS	
CAT NO: PE145TC-2-4-RB-AI				FRAME 145TC		PHASE 3							
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55			
HP 2		RPM 1740		HP 2		RPM 1440		DUTY CONT		DES B			
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F			
FLA 6.2 - 5.6 / 2.8				FLA 6.2/3.1				DE BEARING 6206-ZZ					
CODE L		P.F. 0.80		CODE M		P.F. 0.80		ODE BEARING 6206-ZZ					
EFF 86.5		MIN 84.0		EFF 85.5		MIN 82.5		LUB: Mobil Polyrex EM					
MOTOR WEIGHT 66 LBS				CONNECTION 9 Lead 2Y/Y				SER NO					
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi  CC113B													

208-230V		
T4	T5	T6
T7	T8	T9
T1	T2	T3
L1	L2	L3

460V		
T4	T5	T6
T7	T8	T9
T1	T2	T3
L1	L2	L3

APPLICATIONS:

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