

PE145TC-1.5-4-RB-AI

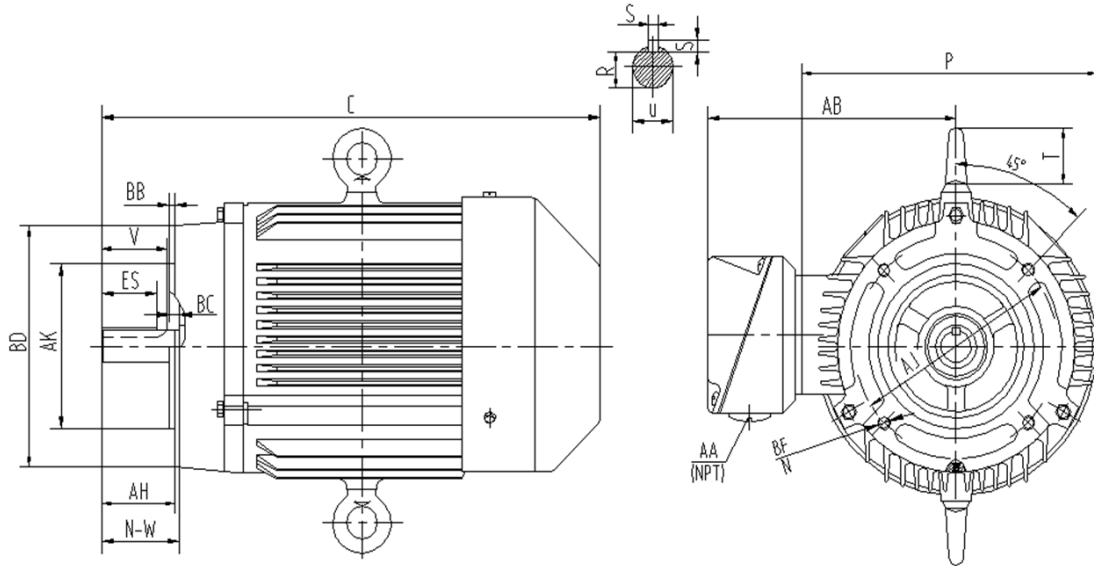
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

THREE PHASE, TOTALLY ENCLOSED FAN COOLED - C-FLANGE FOOTLESS

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									
			C	P	T	AK	AJ	AH	BA	BB	BC	BF
1.5	1800	145TC	15.20	8.17	1.50	4.500	5.88	2.12	2.25	0.16	0.12	4*3/8-16

Shaft Extension, Key Set					Conduit Box		Bearings		Mount
U	R	S	ES	N-W	AA	AB	DE	ODE	
0.875	0.771	0.189	1.42	2.25	0.75	7.60	6206-ZZ	6206-ZZ	F1

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



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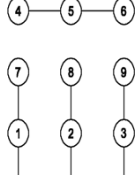
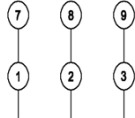
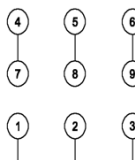



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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
1.5	1740	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 %	6206-ZZ	6206-ZZ	9 Lead 2Y/Y	68
2.2	20.0	86.5	86.3	85.0	84.0	0.760	0.710	0.580	4.5	320	330				

NAME PLATE

 North American Electric, Inc.															CONNECTION DIAGRAMS		
INVERTER DUTY 20:1 VT; 10:1 CT																	
CAT NO: PE145TC-1.5-4-RB-AI				FRAME 145TC				PHASE 3				208 - 230V 					
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55							
HP 1.5		RPM 1740		HP 1.5		RPM 1430		DUTY CONT		DES B							
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F							
FLA 4.9 - 4.4 / 2.2		FLA 5/2.5				DE BEARING 6206-ZZ				460V 							
CODE M		P.F. 0.76		CODE J		P.F. 0.76		ODE BEARING 6206-ZZ									
EFF 86.5		MIN 84.0		EFF 84.0		MIN 81.5		LUB: Mobile Polyrex EM									
MOTOR WEIGHT 68 LBS		CONNECTION 9 Lead 2Y/Y				SER NO											
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi										   CC113B							

APPLICATIONS:

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