

**PE145TC-2-4-RB**

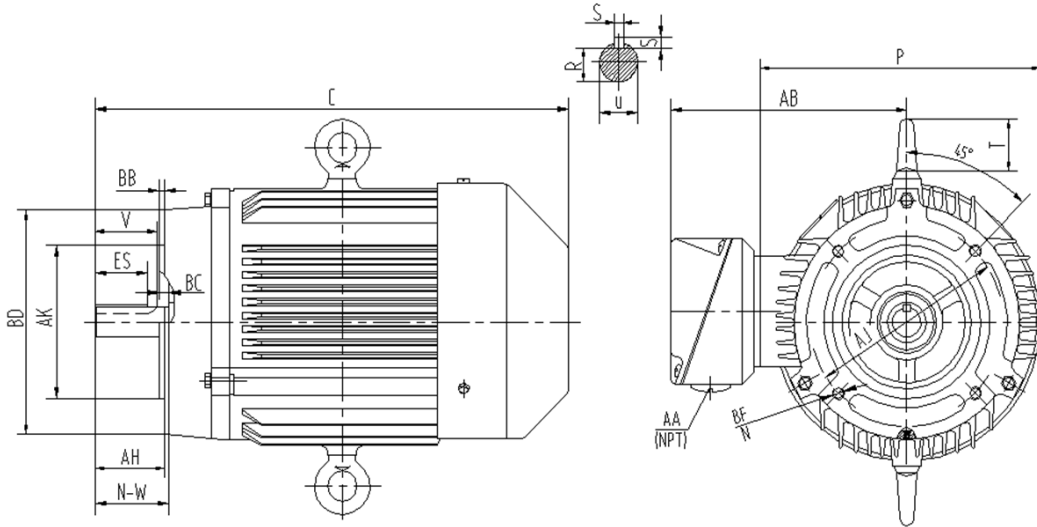
**GENERAL PURPOSE ELECTRIC MOTOR**

**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
2	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	6205-ZZ	6205-ZZ	F1

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





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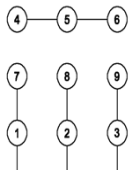
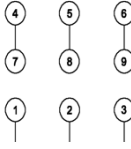



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### PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
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 %				
2.8	25.0	86.5	86.7	86.4	84.0	0.800	0.750	0.630	6.1	320	330	6205-ZZ	6205-ZZ	9 Lead 2Y/Y	66

### NAME PLATE

 										<b>CONNECTION DIAGRAMS</b>  <b>208 - 230V</b> 				
CAT NO: PE145TC-2-4-RB		FRAME 145TC			PHASE 3									
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55					<b>460V</b> 				
HP 2	RPM 1740	HP 2	RPM 1415	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 6205-ZZ										
CODE L	P.F. 0.80	CODE H	P.F. 0.80	ODE BEARING 6205-ZZ										
EFF 86.5	MIN 84.0	EFF 84.0	MIN 81.5	LUB: Mobile 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				

### APPLICATIONS:

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