

**PE182TC-3-4-RB**

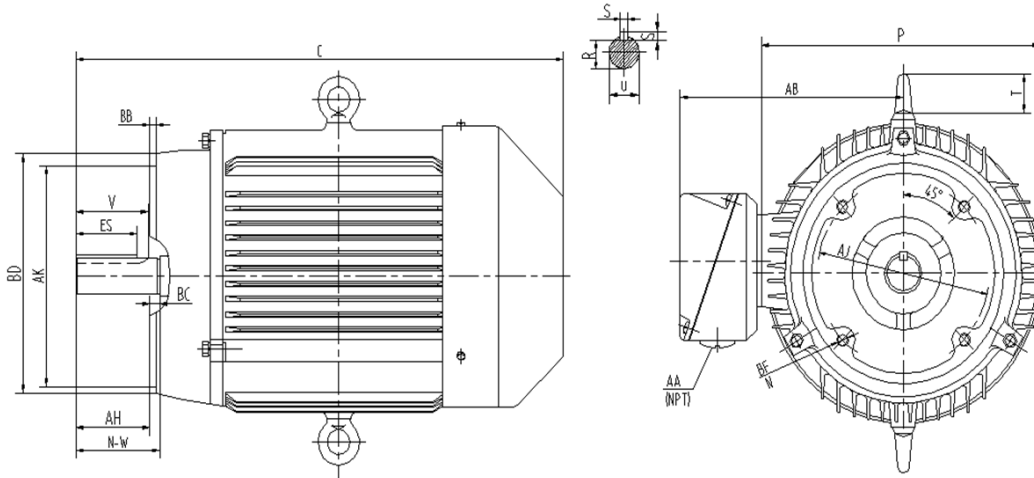
**GENERAL PURPOSE ELECTRIC MOTOR**

**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
3	1800	182TC	18.10	10.35	1.63	8.500	7.25	2.62	2.75	0.25	0.12	4*1/2-13

Shaft Extension, Key Set					Conduit Box		Bearings		Mount
U	R	S	ES	N-W	AA	AB	DE	ODE	
1.125	0.986	0.250	1.78	2.75	1.00	8.90	6207-ZZ	6207-ZZ	F1

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





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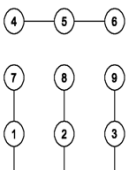



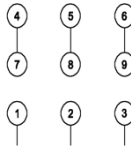
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### PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
3	1745	182TC	208-230/460	60	1.15	F	B	3.1	K	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 %				
4.0	32.0	89.5	89.1	87.6	87.5	0.820	0.770	0.650	9.0	250	320	6207-ZZ	6207-ZZ	9 Lead 2Y/Y	101

### NAME PLATE

 <b>North American Electric, Inc.</b>													<b>CONNECTION DIAGRAMS</b>  <b>208 - 230V</b> 		
<b>INVERTER DUTY 20:1 VT; 10:1 CT</b>															
CAT NO: PE182TC-3-4-RB			FRAME 182TC			PHASE 3									
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55										
HP 3	RPM 1745	HP 3	RPM 1450	DUTY CONT	DES B										
VOLTS 208-230/460		VOLTS 190/380		AMB 40° C		INS F									
FLA 8.8 - 8 / 4	FLA 9.2/4.6		DE BEARING 6207-ZZ												
CODE K	P.F. 0.82	CODE H	P.F. 0.82	ODE BEARING 6207-ZZ											
EFF 89.5	MIN 87.5	EFF 87.5	MIN 85.5	LUB: Mobile Polyrex EM											
MOTOR WEIGHT 101 LBS	CONNECTION 9 Lead 2Y/Y		SER NO												
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi										   CC113B			<b>460V</b> 		

### APPLICATIONS:

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