

**PE254TC-15-4-RB**

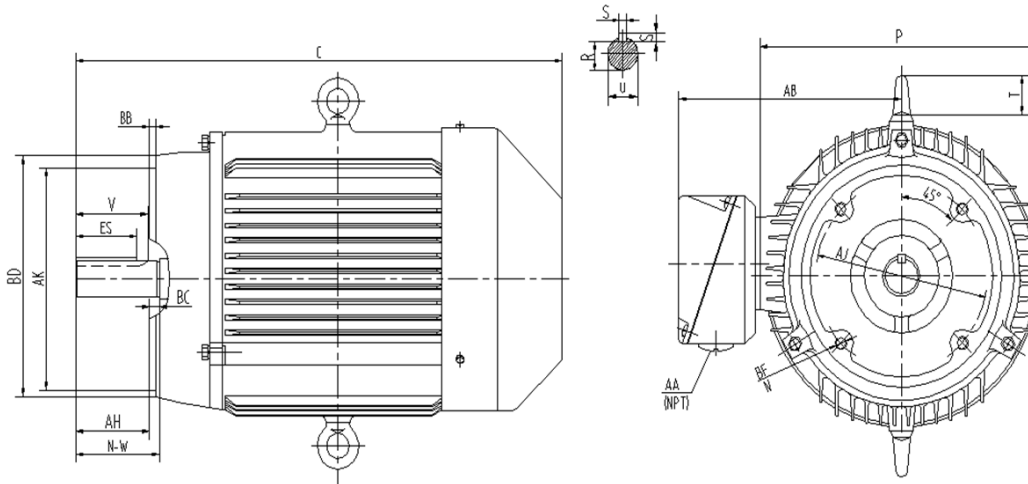
**GENERAL PURPOSE ELECTRIC MOTOR**

**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
15	1800	254TC	24.80	14.02	2.125	8.500	7.25	3.75	4.25	0.25	0.25	4*1/2-13

Shaft Extension, Key Set					Conduit Box		Bearings		Mount
U	R	S	ES	N-W	AA	AB	DE	ODE	
1.625	1.416	0.375	2.91	4.00	1.25	12.00	6309	6309	F1

**BEARING LUBRICATION:** The bearings come lubricated with Mobile Polyrex EM Polyurea Grease. It is recommended that you add some additional lubrication when the motor is installed.

Three options (brands) for suitable lubrication include, but are not limited to, the following:

- 1.) Mobile Polyrex EM
- 2.) Citco Polyurea MP
- 3.) Conoco Phillips Polytac EP





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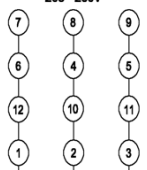



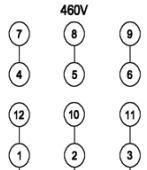
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### PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
15	1750	254TC	208-230/460	60	1.15	F	B	2.8	G	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 %				
18.0	116.0	92.4	92.2	92.0	91.0	0.860	0.850	0.750	44.8	185	230	6309	6309	12 Lead 2Δ/Δ	328

### 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: PE254TC-15-4-RB			FRAME 254TC			PHASE 3									
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55										
HP 15	RPM 1750	HP 15	RPM 1460	DUTY CONT	DES B										
VOLTS 208-230/460		VOLTS 190/380		AMB 40° C	INS F										
FLA 39.8 - 36 / 18	FLA 45.8/22.9		DE BEARING 6309												
CODE G	P.F. 0.86	CODE E	P.F. 0.86	ODE BEARING 6309											
EFF 92.4	MIN 91.0	EFF 90.2	MIN 88.5	LUB: Mobile Polyrex EM											
MOTOR WEIGHT 328 LBS		CONNECTION 12 Lead 2Δ/Δ		SER NO											
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi										   <b>CC113B</b>			<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.