



PE254T-15-4C

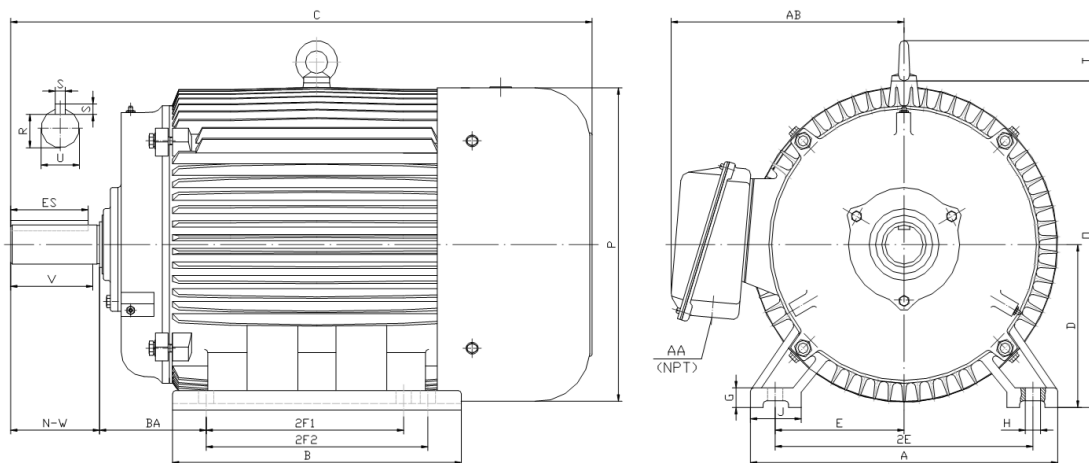
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

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
15	1800	254T	13.00	10.45	23.20	6.25	0.70	0.53	2.75	5.00	10.00	8.25	0.00	13.20	12.80	2.20	4.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.625	3.75	1.416	0.375	2.91	4.00	1.25	10.30	6309	6309	F1

BEARING LUBRICATION: The bearings come lubricated with Mobil 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.) Mobil Polyrex EM
- 2.) Citco Polyurea MP
- 3.) Conoco Phillips Polytac EP



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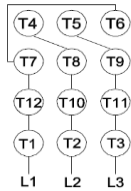
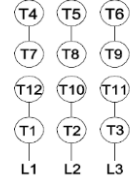
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
15	1770	254T	208-230/460	60	1.15	F	C	1.7	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 %	6309	6309	12 Lead 2Δ/Δ	256
19.0	116	92.4	92.2	92.0	91.0	0.780	0.720	0.630	44.8	230	280				

NAME PLATE

 North American Electric, Inc.												
INVERTER DUTY 20:1 VT; 10:1 CT												
CAT NO: PE254T-15-4C				FRAME 254T				PHASE 3				
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55		
HP 15		RPM 1770		HP 15		RPM 1460		DUTY CONT		DES C		
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F		
FLA 40 - 38 / 19				FLA 45/22.5				DE BEARING 6309				
CODE G		P.F. 0.78		CODE F		P.F. 0.83		ODE BEARING 6309				
EFF 92.4		MIN 91.0		EFF 90.4		MIN 89		LUB: Mobil Polyrex EM				
MOTOR WEIGHT 256 LBS				CONNECTION 12 Lead 2Δ/Δ				SER NO				
General purpose use on industrial machinery installed in damp, dusty or dirty environments.												
Hernando, Mississippi												
  												
CC 082A												
CONNECTION DIAGRAMS												
208-230V												
												
460V												
												

APPLICATIONS:

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