

PE254T-7.5-6

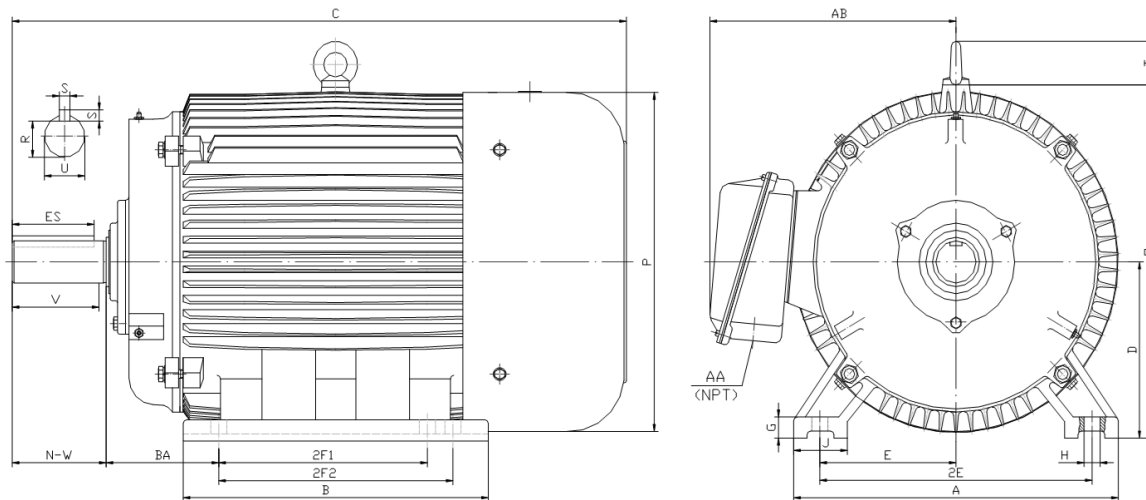
GENERAL PURPOSE ELECTRIC MOTOR

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
7.5	1200	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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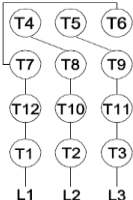
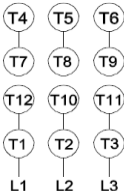
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
7.5	1185	254T	208-230/460	60	1.15	F	B	1.3	H	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	242
9.8	63	91.0	91.0	89.5	89.5	0.740	0.660	0.530	33.7	185	280				

NAME PLATE

 North American Electric, Inc.																				CONNECTION DIAGRAMS 208-230V 																																			
INVERTER DUTY 20:1 VT; 10:1 CT																																																							
CAT NO: PE254T-7.5-6						FRAME 254T						PHASE 3						460V 																																					
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55																																													
HP 7.5		RPM 1185		HP 7.5		RPM 980		DUTY CONT		DES B																																													
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C				INS F																																											
FLA 21 - 19.6 / 9.8				FLA 24/12				DE BEARING 6309																																															
CODE H		P.F. 0.74		CODE G		P.F. 0.78		ODE BEARING 6309																																															
EFF 91.0		MIN 89.5		EFF 89		MIN 87.5		LUB: Mobil Polyrex EM																																															
MOTOR WEIGHT 242 LBS				CONNECTION 12 Lead 2Δ/Δ												SER NO																																							
General purpose use on industrial machinery installed in damp, dusty or dirty environments.																																																CC 082A							
Hernando, Mississippi																																																							

APPLICATIONS:

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