



PE254T-15-2

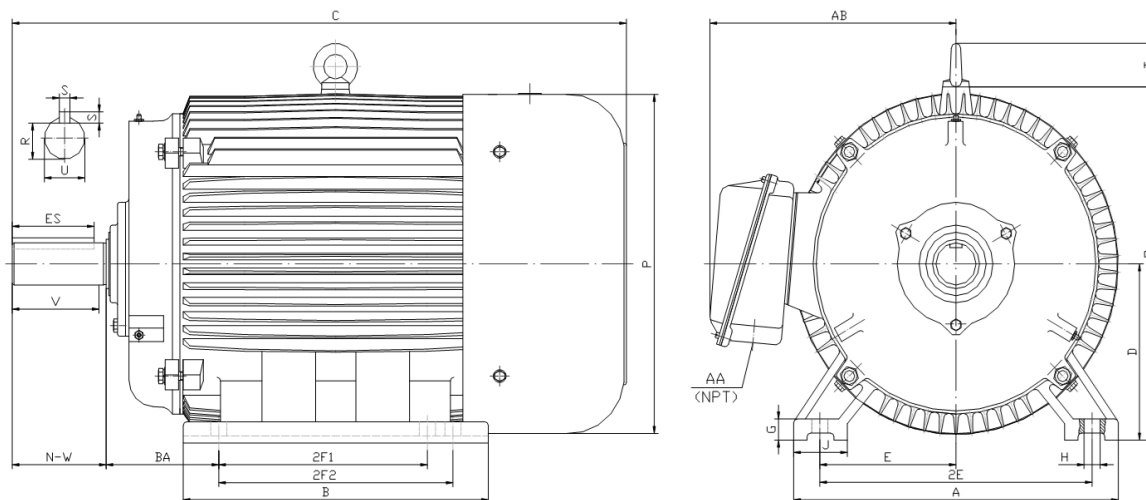
GENERAL PURPOSE ELECTRIC MOTOR

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	3600	254T	13.00	10.45	23.20	6.25	0.70	0.53	2.75	5.00	10.00	8.25	0.00	13.00	12.40	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	10.10	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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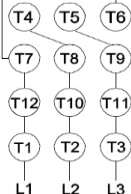
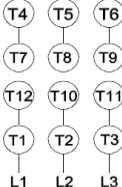
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
15	3545	254T	208-230/460	60	1.15	F	B	1.5	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	260
17.2	116	91.0	91.0	90.0	89.5	0.890	0.870	0.800	22.2	150	260				

NAME PLATE

 North American Electric, Inc. 										CONNECTION DIAGRAMS 208-230V 		
INVERTER DUTY 20:1 VT; 10:1 CT												
CAT NO: PE254T-15-2				FRAME 254T			PHASE 3			460V 		
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC			IP 55	
HP 15		RPM 3545		HP 15		RPM 2930		DUTY CONT			DES B	
VOLTS 208-230/460				VOLTS 190/380			AMB 40° C		INS F			
FLA 36.2 - 34.4 / 17.2				FLA 42/21			DE BEARING 6309					
CODE G		P.F. 0.89		CODE F		P.F. 0.90		ODE BEARING 6309				
EFF 91.0		MIN 89.5		EFF 89		MIN 87.5		LUB: Mobil Polyrex EM				
MOTOR WEIGHT 260 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.