

PE254TC-15-4

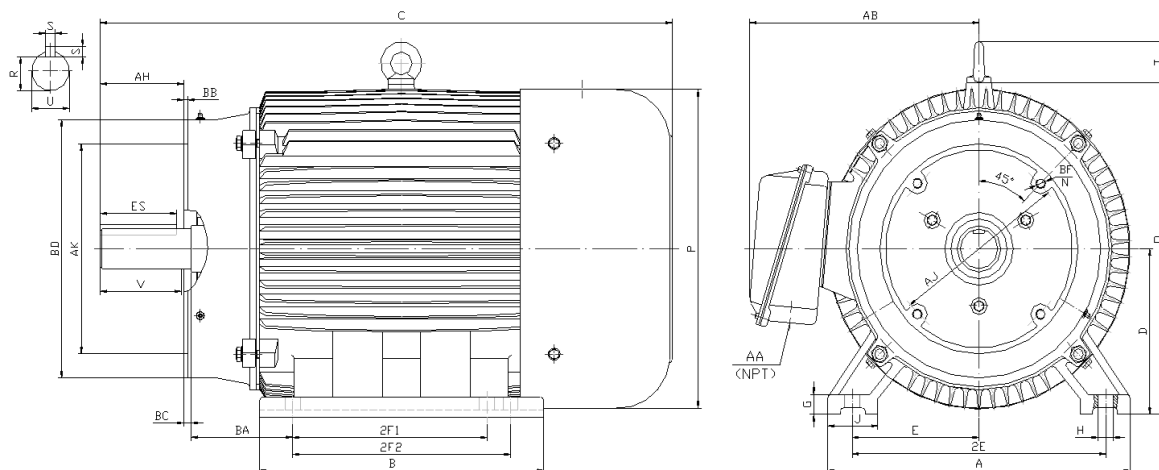
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

THREE PHASE, TOTALLY ENCLOSED FAN COOLED - C-FLANGE W/ FEET

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	254TC	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

FLANGE							Shaft Extension, Key Set						Conduit Box		Bearings		Mount
AH	AJ	AK	BB	BC	BD	BF	U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.75	7.25	8.50	0.25	0.25	10.00	4*1/2-13	1.63	3.75	1.42	0.38	2.91	NA	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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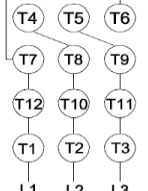
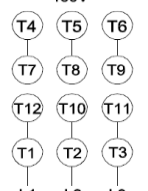
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PERFORMANCE DATA

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	254TC	208-230/460	60	1.15	F	B	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 %				
18.2	116.0	92.4	92.2	92.0	91.0	0.810	0.760	0.660	44.8	170	260	6309	6309	12 Lead 2Δ/Δ	280

NAME PLATE

 North American Electric, Inc.														CONNECTION DIAGRAMS											
INVERTER DUTY 20:1 VT; 10:1 CT																									
CAT NO: PE254TC-15-4					FRAME 254TC					PHASE 3					208-230V										
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 B															
VOLTS 208-230/460			VOLTS 190/380			AMB 40° C			INS F																
FLA 37.2 - 36.4 / 18.2			FLA 45/22.5			DE BEARING 6309																			
CODE G		P.F. 0.81		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 280 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.