

PE254TC-7.5-6

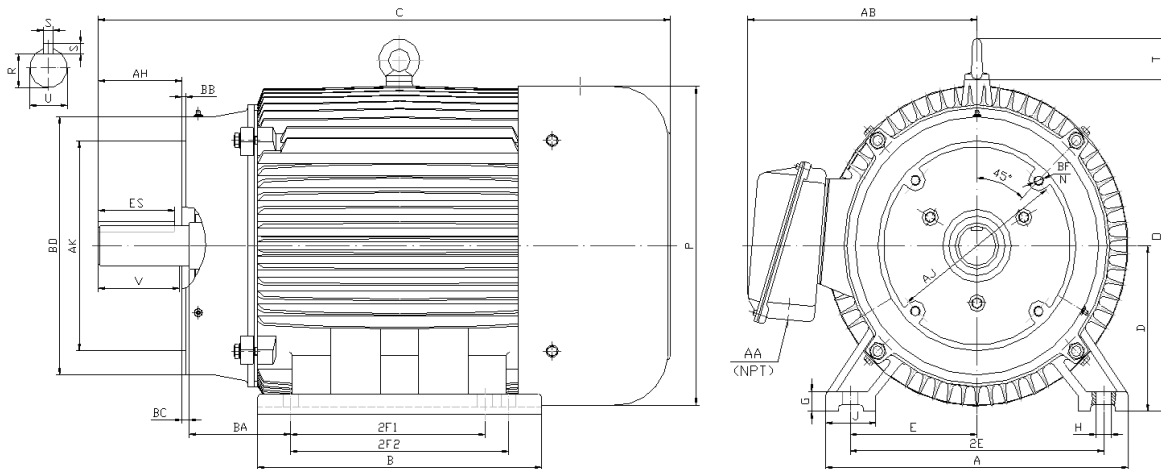
GENERAL PURPOSE ELECTRIC MOTOR

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
7.5	1200	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



PE254TC-7.5-6

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

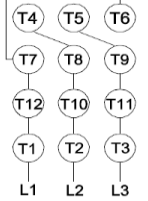
Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

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	254TC	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 %				
9.8	63.0	91.0	91.0	89.5	89.5	0.740	0.660	0.530	33.7	185	280	6309	6309	12 Lead 2Δ/Δ	242

NAME PLATE

 North American Electric, Inc.														CONNECTION DIAGRAMS 208-230V 		
INVERTER DUTY 20:1 VT; 10:1 CT																
CAT NO: PE254TC-7.5-6				FRAME 254TC				PHASE 3								
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.														  		
Hernando, Mississippi																
CC 082A																

APPLICATIONS:

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