

PE254TC-7.5-6C

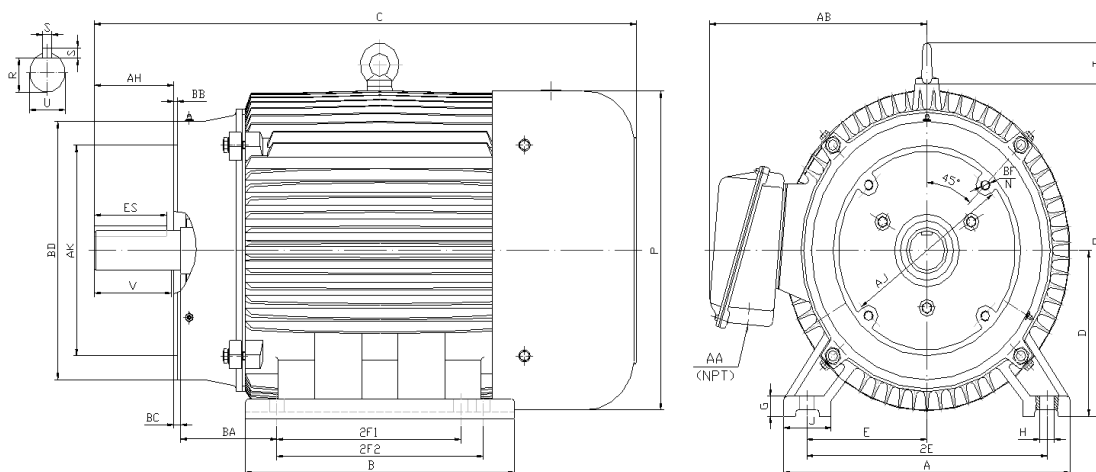
GENERAL PURPOSE ELECTRIC MOTOR

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	1.625	3.75	1.416	0.375	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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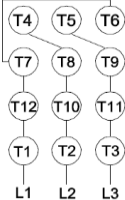
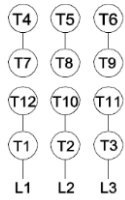
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
7.5	1180	254TC	208-230/460	60	1.15	F	C	1.7	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	33.65	225	280	6309	6309	12 Lead 2Δ/Δ	213

NAME PLATE

North American Electric, Inc. 										CONNECTION DIAGRAMS 208-230V  460V 
CAT NO: PE254TC-7.5-6C			FRAME 254TC			PHASE 3				
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55					
HP 7.5	RPM 1180	HP 7.5	RPM 980	DUTY CONT	DES C					
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 213 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.