

PE254T-5-8C

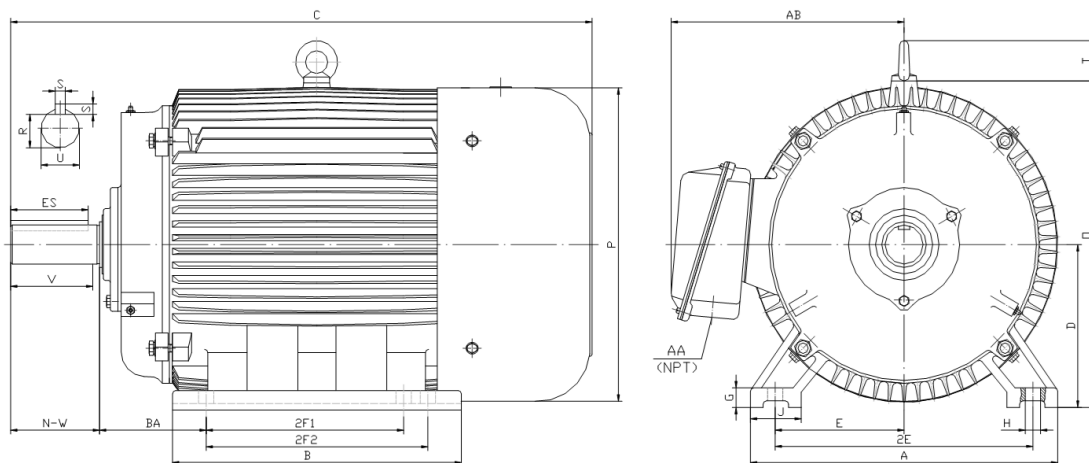
GENERAL PURPOSE ELECTRIC MOTOR

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
5	900	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

ISO9001
CERTIFIED

CE

NEMA
Premium

CS
C US

PE254T-5-8C

GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31

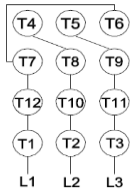
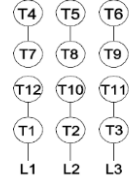
Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

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
5	870	254T	208-230/460	60	1.15	F	C	3.3	J	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	218
7.9	46	86.5	86.0	84.0	84.0	0.690	0.550	0.420	30.5	230	280				

NAME PLATE

North American Electric, Inc. NEMA Premium										CONNECTION DIAGRAMS 208-230V  460V 
CAT NO: PE254T-5-8C		FRAME 254T		PHASE 3						
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55					
HP 5	RPM 870	HP 5	RPM 725	DUTY CONT	DES C					
VOLTS 208-230/460		VOLTS 190/380		AMB 40° C	INS F					
FLA 17.5 - 15.8 / 7.9		FLA 19/9.5		DE BEARING 6309						
CODE J	P.F. 0.69	CODE G	P.F. 0.71	ODE BEARING 6309						
EFF 86.5	MIN 84.0	EFF 84.5	MIN 82	LUB: Mobil Polyrex EM						
MOTOR WEIGHT 218 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.