



PE324T-25-6C

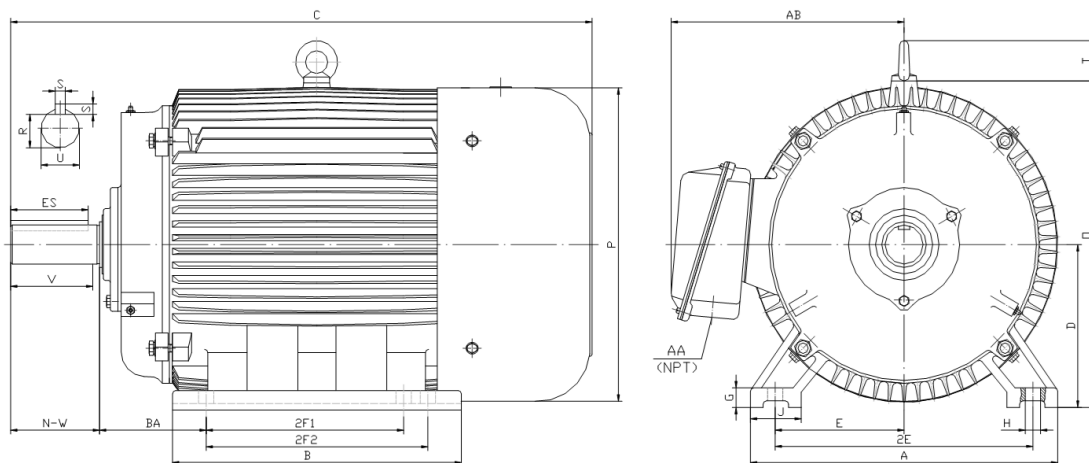
GENERAL PURPOSE ELECTRIC MOTOR

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
25	1200	324T	15.50	13.20	29.80	8.00	1.00	0.66	2.75	6.25	12.50	10.50	0.00	15.90	15.70	2.60	5.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.125	5.00	1.845	0.500	3.91	5.25	2.00	12.30	6312	6312	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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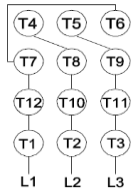
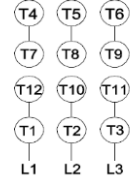
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
25	1185	324T	208-230/460	60	1.15	F	C	1.3	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 %	6312	6312	12 Lead 2Δ/Δ	477
30.5	182	93.0	93.0	93.0	91.7	0.780	0.730	0.620	111.3	200	255				

NAME PLATE

North American Electric, Inc. NEMA Premium										CONNECTION DIAGRAMS															
INVERTER DUTY 20:1 VT; 10:1 CT										208-230V															
CAT NO: PE324T-25-6C				FRAME 324T				PHASE 3																	
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55															
HP 25		RPM 1185		HP 25		RPM 980		DUTY CONT		DES C															
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F															
FLA 67 - 61 / 30.5				FLA 78/39				DE BEARING 6312																	
CODE G		P.F. 0.78		CODE F		P.F. 0.80		ODE BEARING 6312																	
EFF 93.0		MIN 91.7		EFF 91		MIN 89.7		LUB: Mobil Polyrex EM																	
MOTOR WEIGHT 477 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.