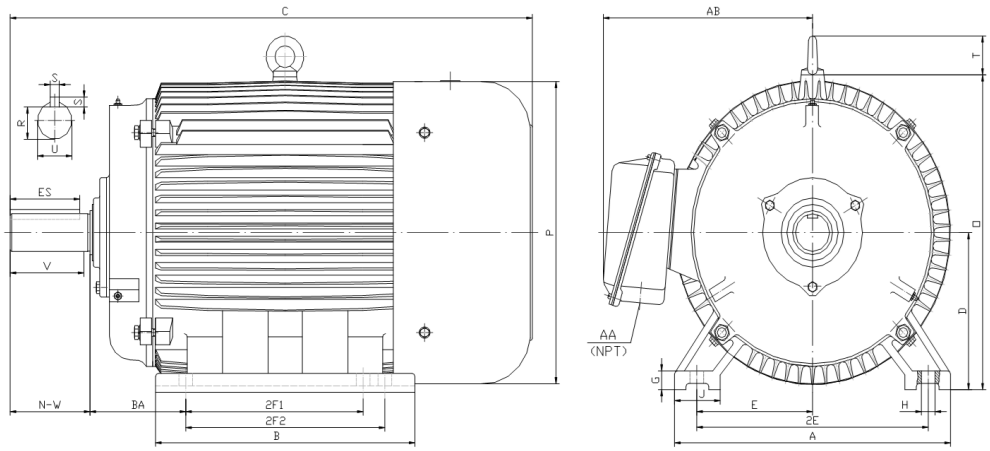
North American Electric

PE324T-40-4

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
40	1800	324T	15.5	13.2	29.8	8	1	0.66	2.75	6.25	12.5	10.5	NA	15.9	15.7	2.6	5.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.125	5	1.845	0.5	3.91	5.25	2	12.3	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

ISO9001 CERTIFIED CE NEMA Premium C SA US

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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
40	1780	324T	230/460	60	1.15	F	B	1.1	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%	100%	75%	50%	FLT	LRT %	BDT %				
46.6	290	94.1	94.6	94.6	0.83	0.79	0.70	118.8	160	245	6312	6312	12 Lead 2Δ/Δ	513

**Usable at 208 Volts*

NAME PLATE

North American Electric

AC INDUCTION MOTOR
INVERTER DUTY 20:1 VT; 10:1 CT

NEMA Premium

CAT NO.	PE324T-40-4		FRAME	324T	PHASE 3
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55
HP 40	RPM 1780	HP 40	RPM 1470	DUTY CONT	DES B
VOLTS	230/460	VOLTS	190/380	AMB 40 °C	INS F
AMPS	93.2 / 46.6	AMPS	114/57	DE BRG	6312
CODE G	P.F. 0.83	CODE F	P.F. 0.85	ODE BRG	6312
EFF 94.1	MIN 93.0	EFF 92.8	MIN 91.5	LUB:	Mobil Polyrex EM
MOTOR WEIGHT	513 LBS	CONNECTION	12 Lead 2Δ/Δ	SER NO	

General purpose use on industrial machinery installed in damp, dusty or dirty environments.

Hernando, Mississippi

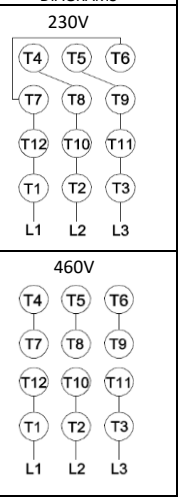
ISO9001 CERTIFIED

CE

C SP US 272709

CC082A

CONNECTION DIAGRAMS



APPLICATIONS:

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