



PE324TS-40-4

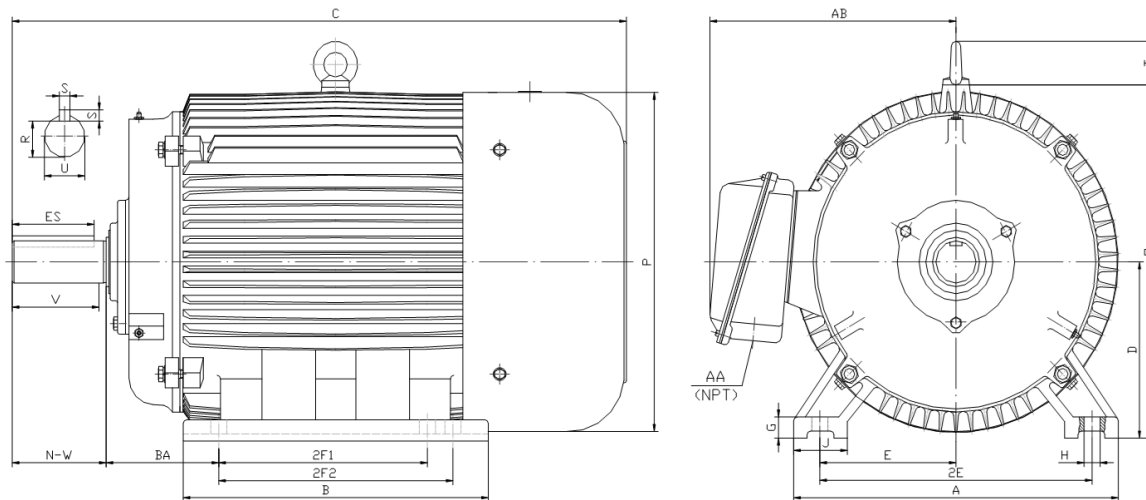
GENERAL PURPOSE ELECTRIC MOTOR

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	324TS	15.50	13.20	28.30	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	
1.875	3.50	1.591	0.500	2.03	3.75	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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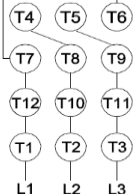
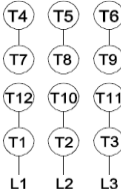
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
40	1780	324TS	208-230/460	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%	Min.	100%	75%	50%	FLT	LRT %	BDT %	6312	6312	12 Lead 2Δ/Δ	513
46.6	290	94.1	94.6	94.6	93.0	0.830	0.790	0.700	118.8	160	245				

NAME PLATE

 North American Electric, Inc.												CONNECTION DIAGRAMS 208-230V 					
INVERTER DUTY 20:1 VT; 10:1 CT																	
CAT NO: PE324TS-40-4				FRAME 324TS				PHASE 3				460V 					
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 208-230/460				VOLTS 190/380				AMB 40° C		INS F							
FLA 100 - 93.2 / 46.6				FLA 114/57				DE BEARING 6312									
CODE G		P.F. 0.83		CODE F		P.F. 0.85		ODE BEARING 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.										ISO9001 CERTIFIED							
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.