



PE324TS-40-2-575V

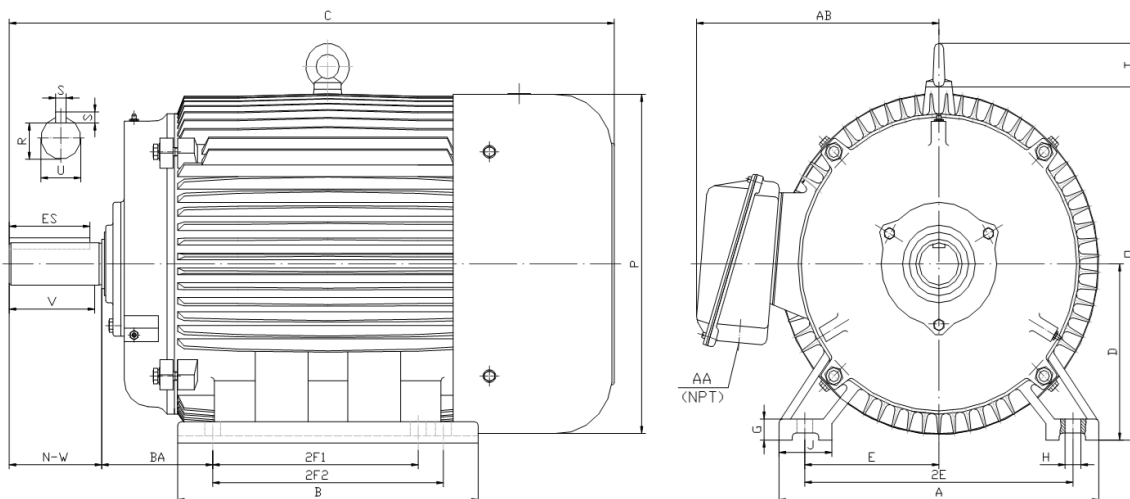
GENERAL PURPOSE ELECTRIC MOTOR

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	3600	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	
1.88	3.50	1.59	0.50	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





PE324TS-40-2-575V

GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

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

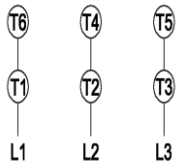
Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

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
40	3545	324TS	575	60	1.15	F	B	1.5	G	TEFC	55	40° C

Amps (575V)		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	6 Lead Δ	414
36.4	232	92.4	92.0	91.0	91.0	0.900	0.860	0.780	59.2	180	290				

NAME PLATE

 North American Electric, Inc.								CONNECTION DIAGRAM 		
INVERTER DUTY 20:1 VT; 10:1 CT										
CAT NO:		PE324TS-40-2-575V		HP	40	Hz	60	PHASE	3	
VOLTS		575		FLA	36.4		IP RATING		55	
RPM		3545		POWER FACTOR		0.90		DESIGN		B
FRAME		324TS		NEMA NOM EFF		92.4		CODE		G
DRIVE END BEARING		6312		NEMA MIN EFF		91.0		S.F.		1.15
OPP DRIVE END BEARING		6312		MAX AMB		40° C		INS CLASS		F
ENCL		TEFC		RATING		CONT		SER		
MOTOR WEIGHT		414	LBS	CONNECTION		6 Lead Δ		LUB:		Mobil Polyrex EM
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.