

PE324TSC-40-2

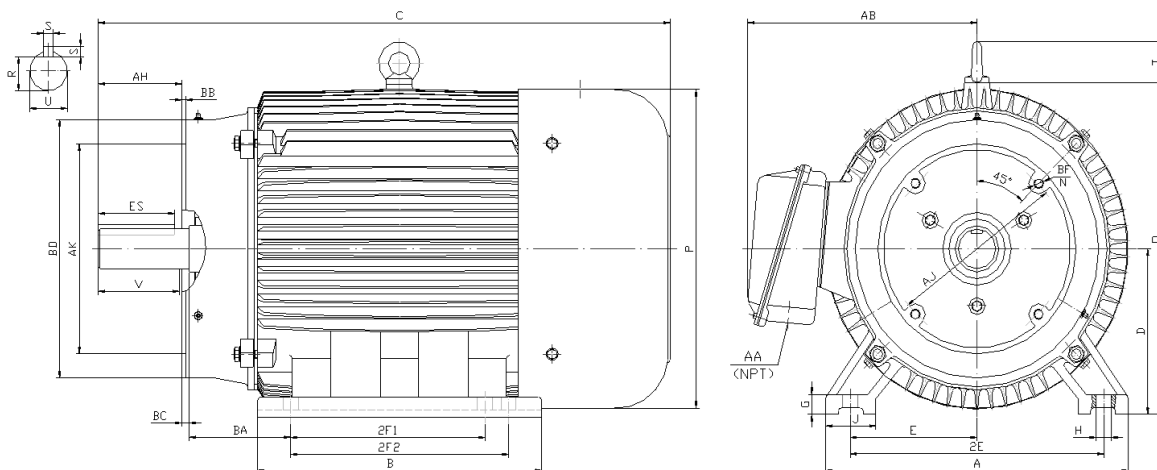
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

THREE PHASE, TOTALLY ENCLOSED FAN COOLED - C-FLANGE W/ FEET

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	324TSC	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

FLANGE							Shaft Extension, Key Set						Conduit Box		Bearings		Mount
AH	AJ	AK	BB	BC	BD	BF	U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.50	11.00	12.50	0.25	0.25	14.00	4*5/8-11	1.88	3.50	1.59	0.50	2.03	NA	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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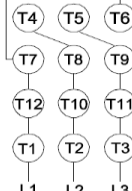
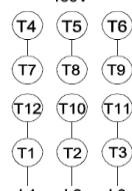
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
40	3545	324TSC	208-230/460	60	1.15	F	B	1.5	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 %				
45.5	290.0	92.4	92.0	91.0	91.0	0.900	0.880	0.830	59.2	140	250	6312	6312	12 Lead 2Δ/Δ	513

NAME PLATE

 North American Electric, Inc.														CONNECTION DIAGRAMS				
INVERTER DUTY 20:1 VT; 10:1 CT																		
CAT NO: PE324TSC-40-2					FRAME 324TSC					PHASE 3					208-230V			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55								
HP 40		RPM 3545		HP 40		RPM 2935		DUTY CONT		DES B								
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F								
FLA 94.9 - 91 / 45.5				FLA 110/55				DE BEARING 6312										
CODE G		P.F. 0.90		CODE F		P.F. 0.91		ODE BEARING 6312										
EFF 92.4		MIN 91.0		EFF 90.7		MIN 89.3		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														CC 082A				
														460V				
																		

APPLICATIONS:

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