



PE449TS-300-2-IN

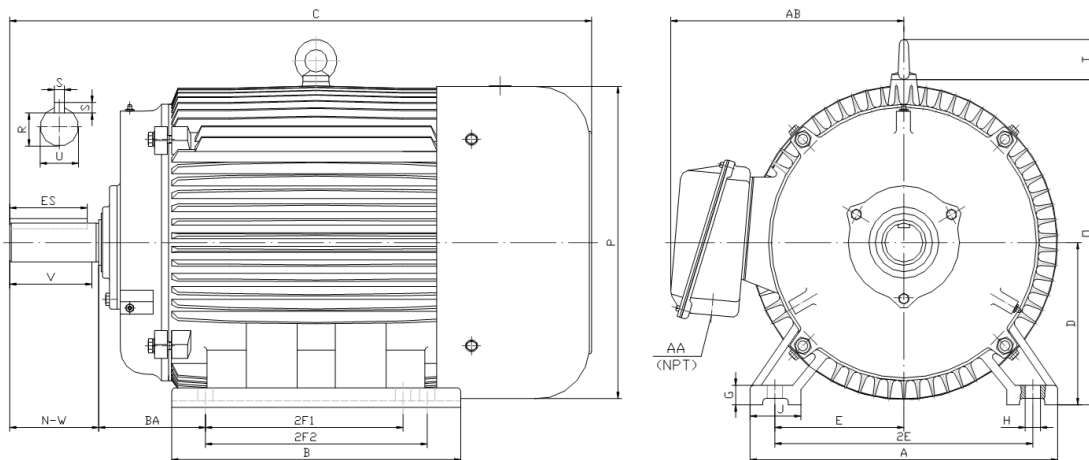
GENERAL PURPOSE ELECTRIC MOTOR

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
300	3600	449TS	21.70	31.40	49.10	11.00	1.35	0.81	3.35	9.00	18.00	20.00	25.00	23.00	23.40	3.00	7.50

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.375	4.50	2.021	0.625	3.03	4.75	3.00	19.90	6314	6314/C3 VL0241	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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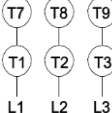
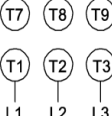
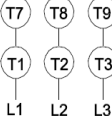
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
300	3580	449TS	460	60	1.15	F	B	0.6	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 %				
320.0	2200	95.8	95.5	95.1	95.0	0.910	0.910	0.890	440.9	130	245	6314	6314/C3VL0241	6 Lead Δ	2087

NAME PLATE

 North American Electric, Inc.										NEMA Premium			CONNECTION DIAGRAMS (460V)														
INVERTER DUTY 20:1 VT; 10:1 CT																Across The Line 											
CAT NO: PE449TS-300-2-IN				FRAME 449TS				PHASE 3																			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55																	
HP 300		RPM 3580		HP 300		RPM 2980		DUTY CONT		DES B																	
VOLTS 460				VOLTS 380				AMB 40° C		INS F																	
FLA 320				FLA 395				DE BEARING 6314																			
CODE G		P.F. 0.91		CODE F		P.F. 0.92		ODE BEARING 6314/C3VL0241																			
EFF 95.8		MIN 95.0		EFF 94.3		MIN 93.5		LUB: Mobil Polyrex EM																			
MOTOR WEIGHT 2087 LBS				CONNECTION 6 Lead Δ				SER NO																			
General purpose use on industrial machinery installed in damp, dusty or dirty environments.																ISO9001 CERTIFIED										CC 082A	
Hernando, Mississippi																											
																PWS Start 						PWS Run 					

APPLICATIONS:

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