

PE449TS-300-2

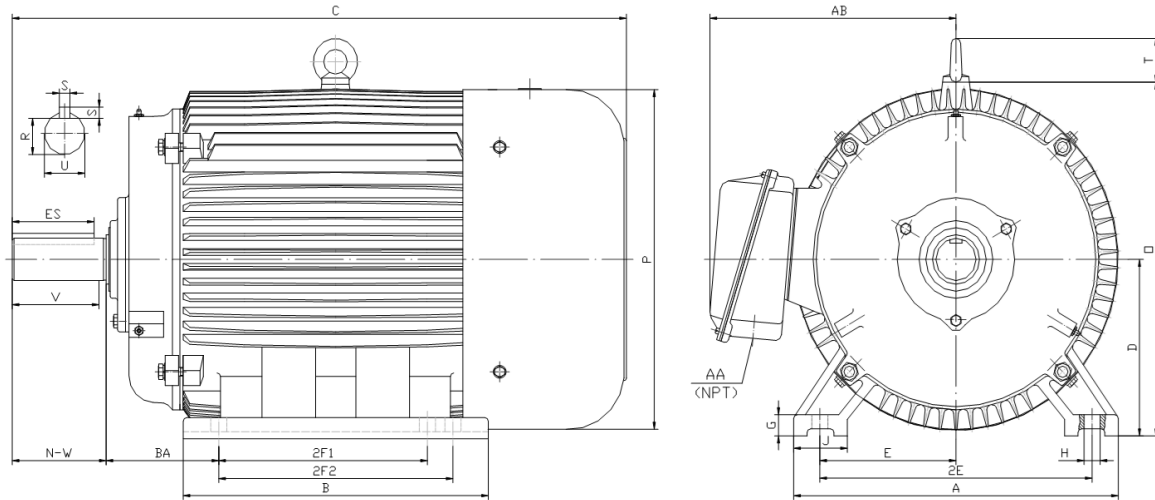
GENERAL PURPOSE ELECTRIC MOTOR

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	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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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	6 Lead Δ	2087

NAME PLATE

North American Electric, Inc.													CONNECTION DIAGRAMS (460V)								
INVERTER DUTY 20:1 VT; 10:1 CT										Across The Line											
CAT NO: PE449TS-300-2			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					PWS Start								
FLA 320.0			FLA 395			DE BEARING 6314															
CODE G		P.F. 0.91		CODE F		P.F. 0.92		ODE BEARING 6314													
EFF 95.8		MIN 95.0		EFF 94.3		MIN 93.5		LUB: Mobil Polyrex EM													
MOTOR WEIGHT 2087.0 LBS			CONNECTION 6 Lead Δ			SER NO						PWS Run									
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi																			CC 082A		

APPLICATIONS:

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