

PE449T-300-6-IN

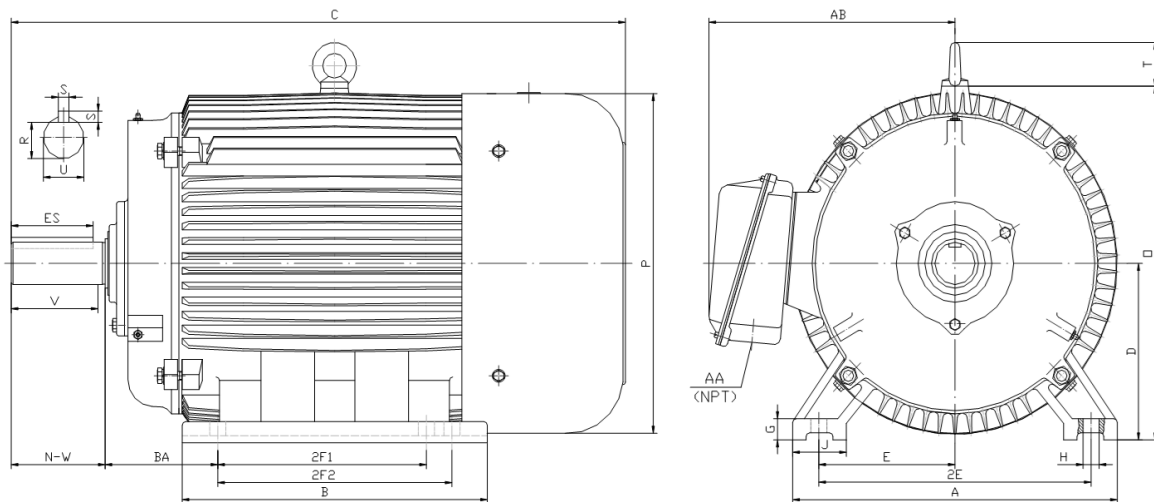
GENERAL PURPOSE ELECTRIC MOTOR

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	1200	449T	21.70	31.40	52.80	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	
3.375	8.25	2.880	0.875	6.91	8.50	3.00	19.90	NU319	6318/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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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	1185	449T	460	60	1.15	F	B	1.3	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 %				
357.0	2200	95.8	95.6	95.0	95.0	0.820	0.790	0.710	1332.0	140	220	NU319	6318/C3VL0241	6 Lead Δ	2684

NAME PLATE

 North American Electric, Inc. 										CONNECTION DIAGRAMS (460V)	
INVERTER DUTY 20:1 VT; 10:1 CT										Across The Line T7 T1 L1 T8 T2 L2 T9 T3 L3	
CAT NO: PE449T-300-6-IN			FRAME 449T			PHASE 3					
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55						
HP 300	RPM 1185	HP 300	RPM 985	DUTY CONT	DES B						
VOLTS 460		VOLTS 380		AMB 40° C	INS F						
FLA 357.0		FLA 392		DE BEARING NU319							
CODE G	P.F. 0.82	CODE F	P.F. 0.85	ODE BEARING 6318/C3VL0241							
EFF 95.8	MIN 95.0	EFF 95	MIN 94.1	LUB: Mobil Polyrex EM							
MOTOR WEIGHT 2684.0 LBS			CONNECTION 6 Lead Δ			SER NO					
General purpose use on industrial machinery installed in damp, dusty or dirty environments.    CC 082A Hernando, Mississippi										PWS Start T7 T1 L1 T8 T2 L2 T9 T3 L3	
										PWS Run T7 T1 L1 T8 T2 L2 T9 T3 L3	

APPLICATIONS:

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