



PE449TC-300-4-IN

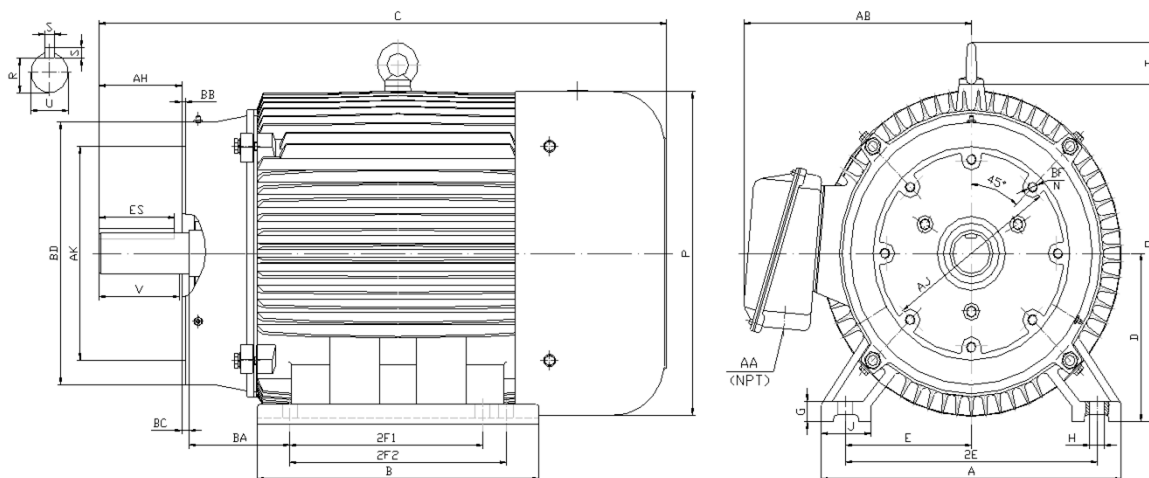
GENERAL PURPOSE ELECTRIC MOTOR

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
300	1800	449TC	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

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	
8.25	14.00	16.00	0.25	0.25	18.00	8*5/8-11	3.38	8.25	2.88	0.88	6.91	NA	3.00	19.90	6319	6318/C3V L0241	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	1790	449TC	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 %				
330.0	2200	96.2	96.0	95.6	95.4	0.870	0.860	0.800	885.4	140	245	6319	6318/C3VL0241	6 Lead Δ	2248

NAME PLATE

 North American Electric, Inc. 										CONNECTION DIAGRAMS (460V)	
INVERTER DUTY 20:1 VT; 10:1 CT										Across The Line	
CAT NO: PE449TC-300-4-IN				FRAME 449TC			PHASE 3			T7 T1 L1 T8 T2 L2 T9 T3 L3	
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55	
HP 300		RPM 1790		HP 300		RPM 1488		DUTY CONT		DES B	
VOLTS 460			VOLTS 380			AMB 40° C		INS F			
FLA 330.0			FLA 411			DE BEARING 6319					
CODE G		P.F. 0.87		CODE F		P.F. 0.87		ODE BEARING 6318/C3VL0241			
EFF 96.2		MIN 95.4		EFF 95		MIN 94.2		LUB: Mobil Polyrex EM			
MOTOR WEIGHT 2248 LBS			CONNECTION 6 Lead Δ				SER NO				
General purpose use on industrial machinery installed in damp, dusty or dirty environments.											
 CC 082A											
Hernando, Mississippi										Across The Line	
										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.