



PE449TC-300-4C

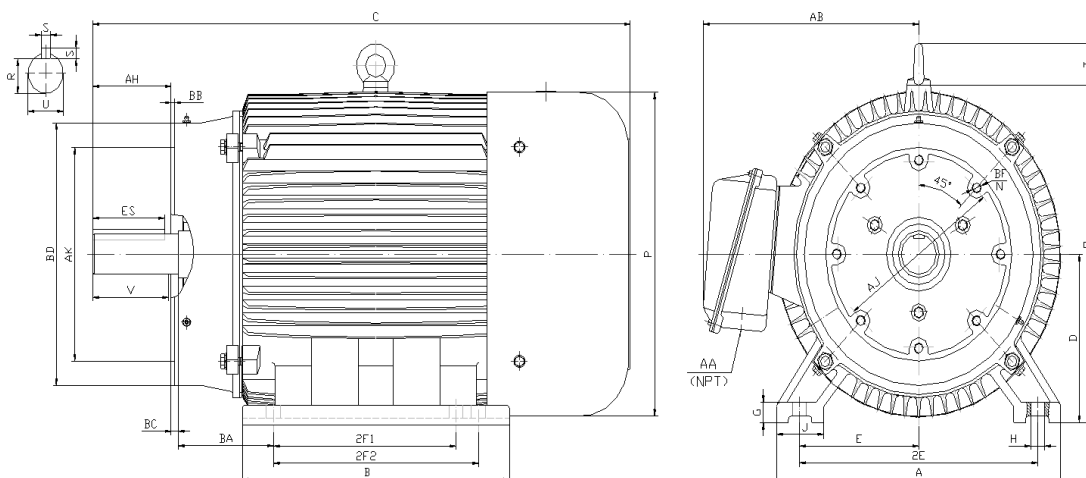
GENERAL PURPOSE ELECTRIC MOTOR

HIGH EFFICIENCY / EISA COMPLIANT

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	16.00

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	3.375	8.25	2.880	0.875	6.91	8.50	3.00	19.90	6319	6318	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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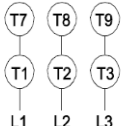
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
300	1790	449TC	460	60	1.15	F	C	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 %	6319	6318	6 Lead Δ	2220
335	2200	95.4	94.5	95.0	94.5	0.870	0.860	0.800	885.4	140	245				

NAME PLATE

 North American Electric, Inc.										HIGH EFFICIENCY EISA COMPLIANT			CONNECTION DIAGRAMS (460V)		
INVERTER DUTY 20:1 VT; 10:1 CT															
CAT NO: PE449TC-300-4C				FRAME 449TC				PHASE 3							
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 C					
VOLTS 460				VOLTS 380				AMB 40° C		INS F					
FLA 335				FLA 411				DE BEARING 6319							
CODE G		P.F. 0.87		CODE D		P.F. 0.87		ODE BEARING 6318							
EFF 95.4		MIN 94.5		EFF 94		MIN 93		LUB: Mobil Polyrex EM							
MOTOR WEIGHT 2220 LBS				CONNECTION 6 Lead Δ				SER NO							
General purpose use on industrial machinery installed in damp, dusty or dirty environments.  Hernando, Mississippi															

APPLICATIONS:

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