



PE449TC-300-6C

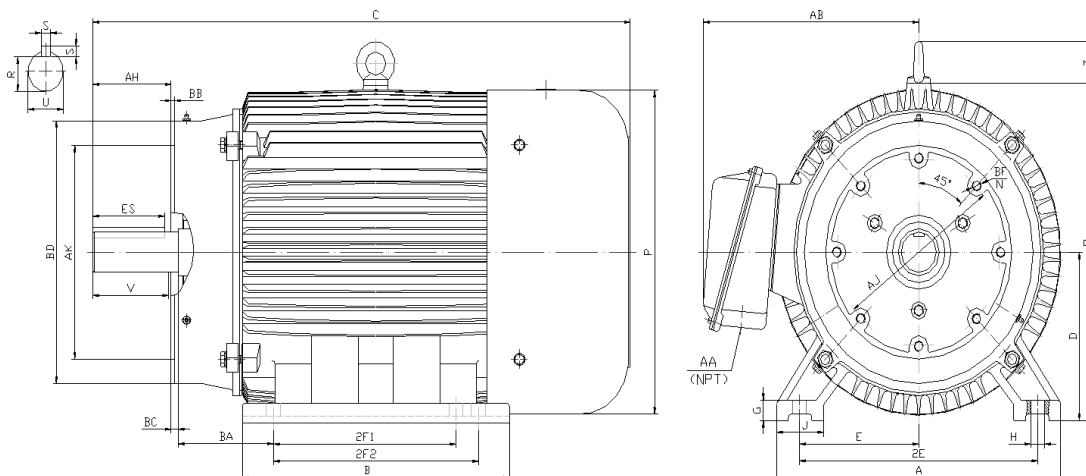
GENERAL PURPOSE ELECTRIC MOTOR

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	1200	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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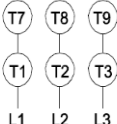
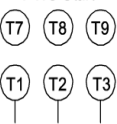
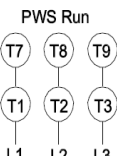
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
300	1190	449TC	460	60	1.15	F	C	0.8	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	2532
357	2200	95.0	94.1	94.6	94.0	0.820	0.790	0.710	#####	140	220				

NAME PLATE

 North American Electric, Inc.										HIGH EFFICIENCY EISA COMPLIANT				CONNECTION DIAGRAMS (460V)												
INVERTER DUTY 20:1 VT; 10:1 CT																										
CAT NO:				PE449TC-300-6C				FRAME				449TC		PHASE		3										
HZ		60		S.F.		1.15		HZ		50		S.F.		1.0		ENCL		TEFC		IP		55				
HP		300		RPM		1190		HP		300		RPM		985		DUTY		CONT		DES		C				
VOLTS				460				VOLTS				380				AMB		40° C		INS		F				
FLA				357				FLA				425				DE BEARING				6319						
CODE		G		P.F.		0.82		CODE		E		P.F.		0.85		ODE BEARING				6318						
EFF		95		MIN		94		EFF		93.4		MIN		92.4		LUB:				Mobil Polyrex EM						
MOTOR WEIGHT				2532				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 									
																	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.