



PE447TC-200-4C

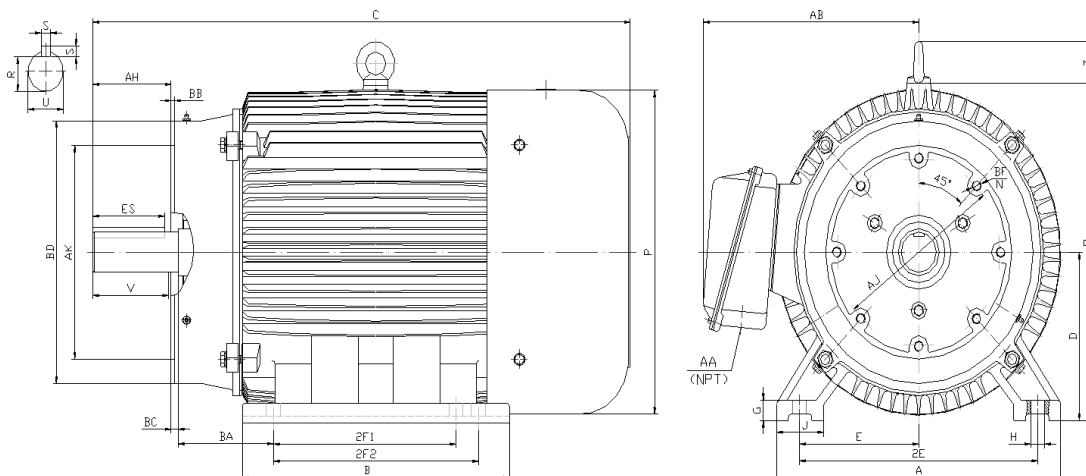
GENERAL PURPOSE ELECTRIC MOTOR

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
200	1800	447TC	21.70	26.40	47.80	11.00	1.35	0.81	3.35	9.00	18.00	16.50	20.00	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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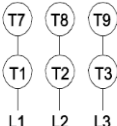
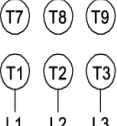
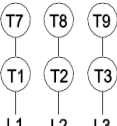
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
200	1780	447TC	460	60	1.15	F	C	1.1	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 %				
221	1450	95.0	94.1	94.7	94.0	0.890	0.880	0.830	590.3	200	250	6319	6318	6 Lead Δ	1782

NAME PLATE

 North American Electric, Inc.										HIGH EFFICIENCY EISA COMPLIANT					CONNECTION DIAGRAMS (460V)					
INVERTER DUTY 20:1 VT; 10:1 CT																		Across The Line 		
CAT NO:		PE447TC-200-4C				FRAME		447TC		PHASE		3								
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55										
HP 200		RPM 1780		HP 200		RPM 1480		DUTY CONT		DES C										
VOLTS 460				VOLTS 380				AMB 40° C		INS F										
FLA 221				FLA 269				DE BEARING 6319												
CODE G		P.F. 0.89		CODE E		P.F. 0.90		ODE BEARING 6318												
EFF 95		MIN 94		EFF 93.5		MIN 92.4		LUB: Mobil Polyrex EM												
MOTOR WEIGHT 1782 LBS				CONNECTION 6 Lead Δ				SER NO												
General purpose use on industrial machinery installed in damp, dusty or dirty environments.  Hernando, Mississippi																		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.