

PE447TC-150-6C

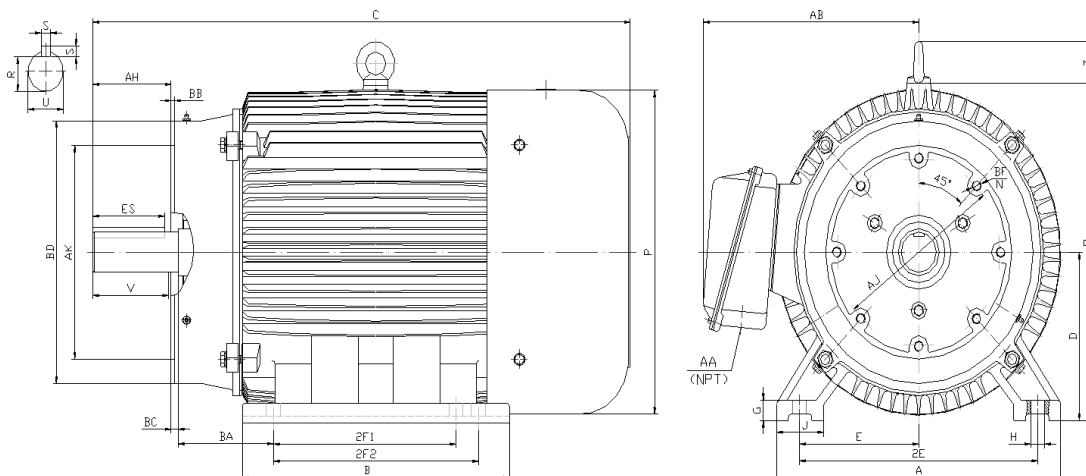
GENERAL PURPOSE ELECTRIC MOTOR

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
150	1200	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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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
150	1180	447TC	460	60	1.15	F	C	1.7	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 %				
168	1085	95.0	94.1	94.5	94.0	0.880	0.850	0.770	667.8	200	230	6319	6318	6 Lead Δ	1678

NAME PLATE

 North American Electric, Inc.										HIGH EFFICIENCY EISA COMPLIANT				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: PE447TC-150-6C				FRAME 447TC				PHASE 3								
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55						
HP 150		RPM 1180		HP 150		RPM 980		DUTY CONT		DES C						
VOLTS 460				VOLTS 380				AMB 40° C		INS F						
FLA 168				FLA 204				DE BEARING 6319								
CODE G		P.F. 0.88		CODE F		P.F. 0.89		ODE BEARING 6318								
EFF 95		MIN 94		EFF 93.4		MIN 92.4		LUB: Mobil Polyrex EM								
MOTOR WEIGHT 1678 LBS				CONNECTION 6 Lead Δ				SER NO								
General purpose use on industrial machinery installed in damp, dusty or dirty environments. ISO9001 CERTIFIED CE SP US CC 082A														PWS Start T7 T1 L1 T8 T2 L2 T9 T3 L3		
Hernando, Mississippi														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.