



PE445TC-125-6C

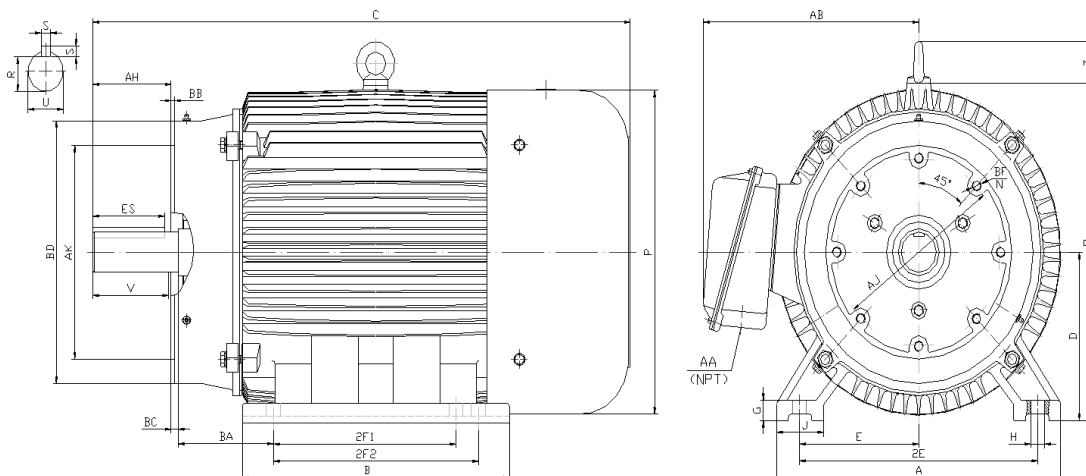
GENERAL PURPOSE ELECTRIC MOTOR

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
125	1200	445TC	21.70	22.90	44.30	11.00	1.35	0.81	3.35	9.00	18.00	14.50	16.50	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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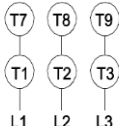
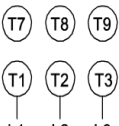
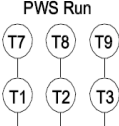
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
125	1180	445TC	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 %				
143	907	94.1	93.0	94.1	93.5	0.870	0.840	0.770	556.5	200	245	6319	6318	6 Lead Δ	1443

NAME PLATE

 North American Electric, Inc.										HIGH EFFICIENCY EISA COMPLIANT			CONNECTION DIAGRAMS (460V)		
INVERTER DUTY 20:1 VT; 10:1 CT															
CAT NO: PE445TC-125-6C				FRAME 445TC				PHASE 3							
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55					
HP 125		RPM 1180		HP 125		RPM 980		DUTY CONT		DES C					
VOLTS 460		VOLTS 380		AMB 40° C		INS F									
FLA 143		FLA 174		DE BEARING 6319											
CODE G		P.F. 0.87		CODE E		P.F. 0.88						ODE BEARING 6318			
EFF 94.1		MIN 93.5		EFF 92.5		MIN 91		LUB: Mobil Polyrex EM							
MOTOR WEIGHT 1443 LBS		CONNECTION 6 Lead Δ				SER NO									
General purpose use on industrial machinery installed in damp, dusty or dirty environments.															
   CC 082A															
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.