



PE445TC-150-4C

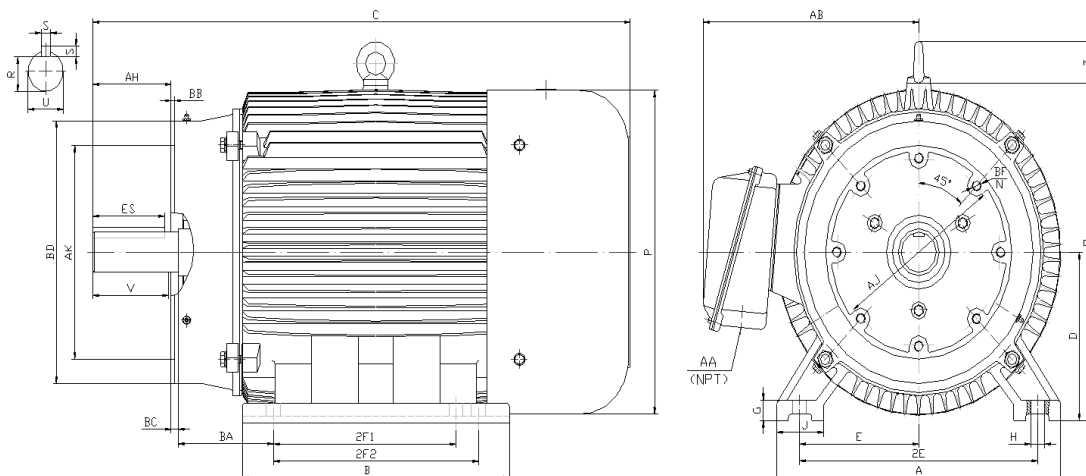
GENERAL PURPOSE ELECTRIC MOTOR

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
150	1800	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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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	1780	445TC	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 %				
166	1085	95.0	94.1	94.6	94.0	0.890	0.880	0.820	442.7	200	245	6319	6318	6 Lead Δ	1694

NAME PLATE

<div><div>North American Electric, Inc.</div></div> <div>HIGH EFFICIENCY EISA COMPLIANT</div>										CONNECTION DIAGRAMS (460V)		
INVERTER DUTY 20:1 VT; 10:1 CT										<div>Across The Line</div> <div><div><div>T7</div><div>T1</div><div>L1</div></div><div><div>T8</div><div>T2</div><div>L2</div></div><div><div>T9</div><div>T3</div><div>L3</div></div></div>		
CAT NO:		PE445TC-150-4C			FRAME		445TC		PHASE		3	
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55		
HP 150		RPM 1780		HP 150		RPM 1480		DUTY CONT		DES C		
VOLTS 460			VOLTS 380			AMB 40° C		INS F				
FLA 166			FLA 202			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 1694 LBS		CONNECTION 6 Lead Δ				SER NO						
<div>General purpose use on industrial machinery installed in damp, dusty or dirty environments.</div> <div><div>ISO9001 CERTIFIED</div><div>CE</div><div><div>SP</div><div>US</div></div><div>CC 082A</div></div> <div>Hernando, Mississippi</div>										<div>PWS Start</div> <div><div><div>T7</div><div>T1</div><div>L1</div></div><div><div>T8</div><div>T2</div><div>L2</div></div><div><div>T9</div><div>T3</div><div>L3</div></div></div>		
<div>PWS Run</div> <div><div><div>T7</div><div>T1</div><div>L1</div></div><div><div>T8</div><div>T2</div><div>L2</div></div><div><div>T9</div><div>T3</div><div>L3</div></div></div>												

APPLICATIONS:

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