

PE445TSC-150-2

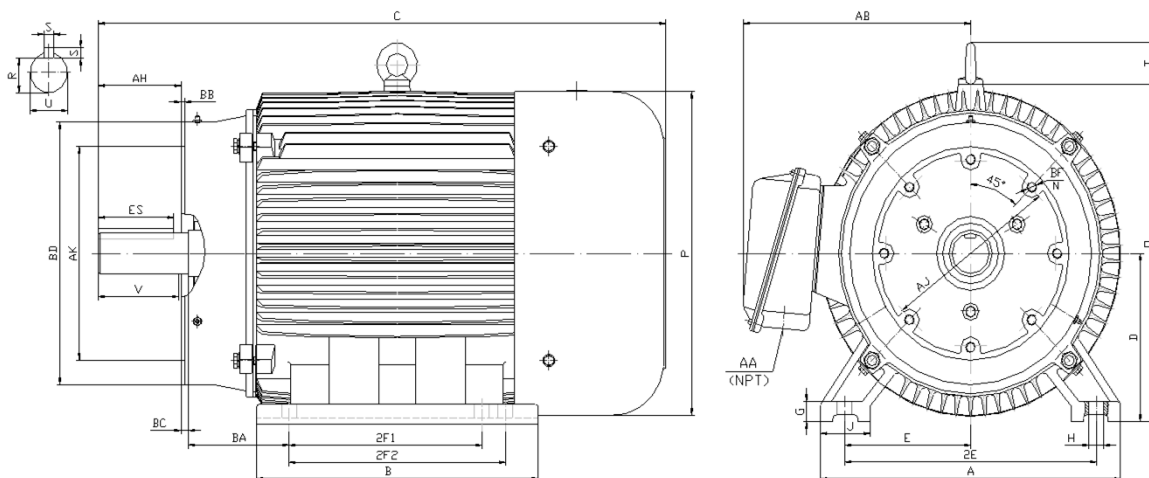
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

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	3600	445TSC	21.70	22.90	40.60	11.00	1.35	0.81	3.35	9.00	18.00	14.50	16.50	23.00	23.40	3.00	7.50

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	
4.50	14.00	16.00	0.25	0.25	18.00	8*5/8-11	2.38	4.50	2.02	0.63	3.03	4.75	3.00	19.90	6314	6314	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	3580	445TSC	460	60	1.15	F	B	0.6	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 %				
160.0	1085	95.0	94.5	93.8	94.1	0.920	0.900	0.860	220.4	130	245	6314	6314	6 Lead Δ	1408

NAME PLATE



North American Electric, Inc.



INVERTER DUTY 20:1 VT; 10:1 CT

CAT NO:				PE445TSC-150-2				FRAME				445TSC				PHASE				3											
HZ		60		S.F.		1.15		HZ		50		S.F.		1.0		ENCL		TEFC		IP		55									
HP		150		RPM		3580		HP		150		RPM		2980		DUTY		CONT		DES		B									
VOLTS				460				VOLTS				380				AMB				40° C				INS				F			
FLA				160.0				FLA				197				DE BEARING								6314							
CODE		G		P.F.		0.92		CODE		D		P.F.		0.92		ODE BEARING								6314							
EFF		95.0		MIN		94.1		EFF		93.6		MIN		92.4		LUB:								Mobil Polyrex EM							
MOTOR WEIGHT				1408				LBS				CONNECTION				6 Lead Δ				SER NO											

General purpose use on industrial machinery installed in damp, dusty or dirty environments.

ISO9001

CERTIFIED



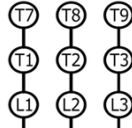


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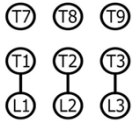
Hernando, Mississippi

CONNECTION DIAGRAMS (460V)

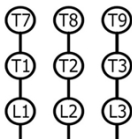
ACROSS THE LINE



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.