

PE445TS-150-2-IN

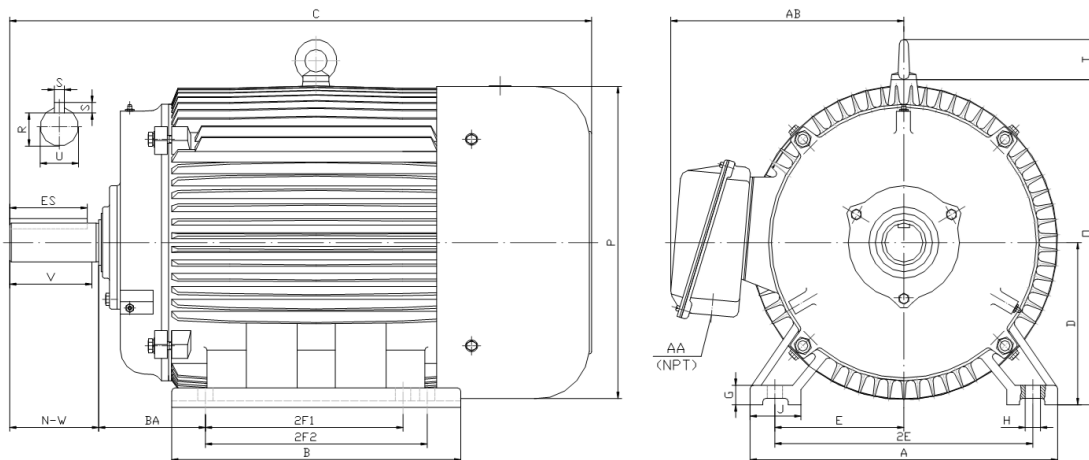
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

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	445TS	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

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.375	4.50	2.021	0.625	3.03	4.75	3.00	19.90	6314	6314/C3 VL0241	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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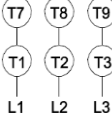
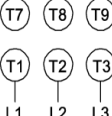
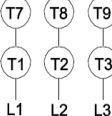
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
150	3580	445TS	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 %				
166.0	1085	95.0	94.5	93.8	94.1	0.900	0.880	0.860	220.4	130	245	6314	6314/C3VL0241	6 Lead Δ	1459

NAME PLATE

 North American Electric, Inc.										NEMA Premium			CONNECTION DIAGRAMS (460V)								
INVERTER DUTY 20:1 VT; 10:1 CT																Across The Line 					
CAT NO: PE445TS-150-2-IN				FRAME 445TS				PHASE 3				PWS Start 									
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 166				FLA 197				DE BEARING 6314													
CODE G		P.F. 0.90		CODE F		P.F. 0.91		ODE BEARING 6314/C3VL0241													
EFF 95.0		MIN 94.1		EFF 93.5		MIN 92.6		LUB: Mobil Polyrex EM													
MOTOR WEIGHT 1459 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.