

PE449TSC-250-2

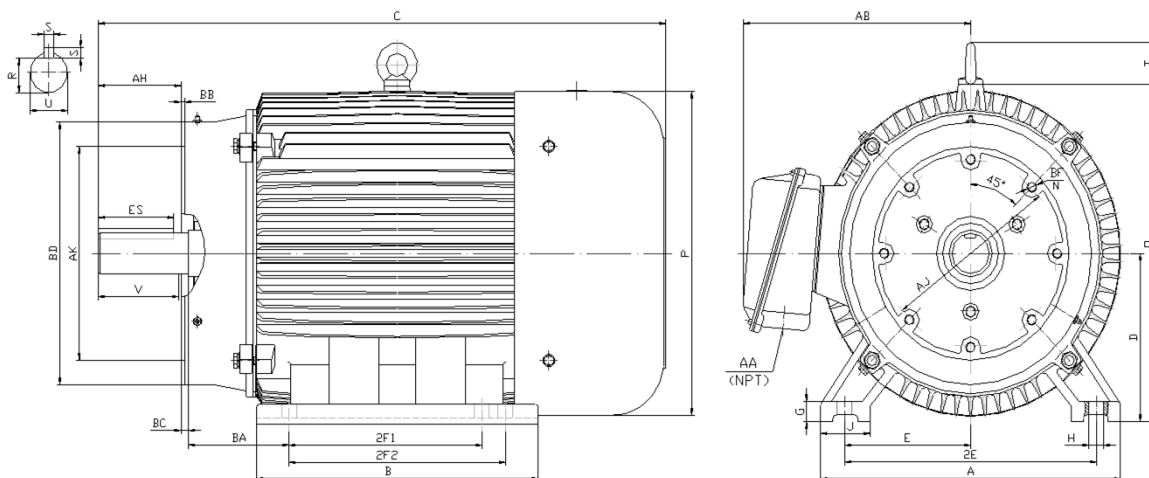
GENERAL PURPOSE ELECTRIC MOTOR

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
250	3600	449TSC	21.70	31.40	49.10	11.00	1.35	0.81	3.35	9.00	18.00	20.00	25.00	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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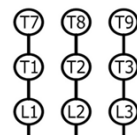
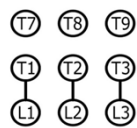
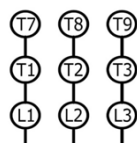
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
250	3580	449TSC	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 %				
266.0	1825	95.8	95.8	95.1	95.0	0.920	0.900	0.880	367.4	130	240	6314	6314	6 Lead Δ	1870

NAME PLATE

 North American Electric, Inc.													CONNECTION DIAGRAMS (460V)								
INVERTER DUTY 20:1 VT; 10:1 CT										ACROSS THE LINE											
CAT NO: PE449TSC-250-2				FRAME 449TSC				PHASE 3													
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55											
HP 250		RPM 3580		HP 250		RPM 2980		DUTY CONT		DES B											
VOLTS 460			VOLTS 380			AMB 40° C			INS F												
FLA 266.0			FLA 326			DE BEARING 6314															
CODE G		P.F. 0.92		CODE E		P.F. 0.92		ODE BEARING 6314													
EFF 95.8		MIN 95.0		EFF 94.1		MIN 93		LUB: Mobil Polyrex EM													
MOTOR WEIGHT 1870 LBS			CONNECTION 6 Lead Δ			SER NO															
General purpose use on industrial machinery installed in damp, dusty or dirty environments.										ISO9001 CERTIFIED			CE			CS® US			CC 082A		
Hernando, Mississippi																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.