

PE449TC-250-4-IN

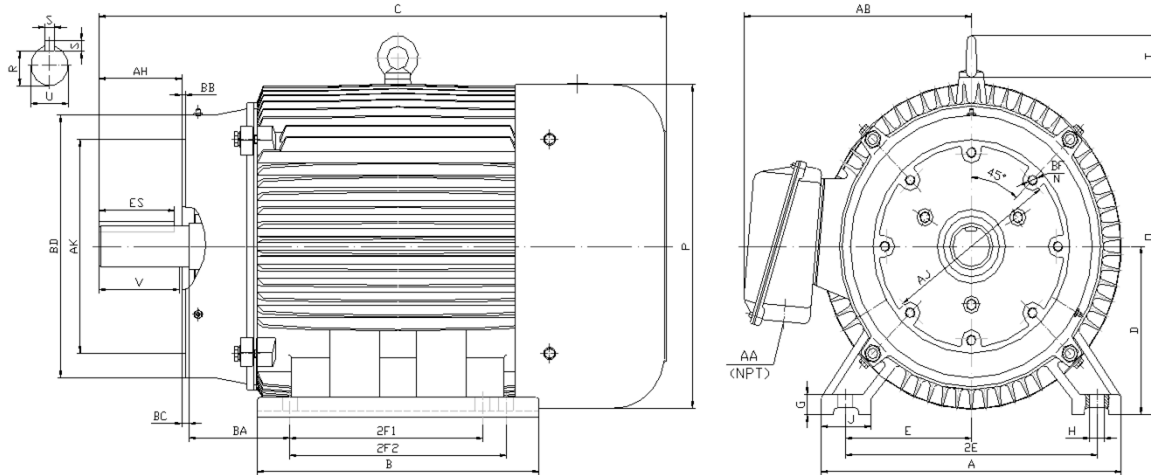
GENERAL PURPOSE ELECTRIC MOTOR

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	1800	449TC	21.70	31.40	52.80	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	
8.25	14.00	16.00	0.25	0.25	18.00	8*5/8-11	3.38	8.25	2.88	0.88	6.91	NA	3.00	19.90	6319	6318/C3V L0241	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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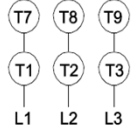
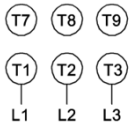
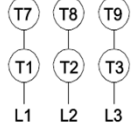




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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
250	1790	449TC	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 %				
275.0	1825	96.2	96.0	95.3	95.4	0.870	0.860	0.800	737.8	140	250	6319	6318/C3VL0241	6 Lead Δ	2116

NAME PLATE

 										CONNECTION DIAGRAMS (460V)				
INVERTER DUTY 20:1 VT; 10:1 CT										<p>Across The Line</p> 				
CAT NO: PE449TC-250-4-IN			FRAME 449TC			PHASE 3								
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55				
HP 250		RPM 1790		HP 250		RPM 1488		DUTY CONT		DES B				
VOLTS 460			VOLTS 380			AMB 40° C		INS F				<p>PWS Start</p> 		
FLA 275.0		FLA 342			DE BEARING 6319									
CODE G		P.F. 0.87		CODE F		P.F. 0.88		ODE BEARING 6318/C3VL0241						
EFF 96.2		MIN 95.4		EFF 95		MIN 94.2		LUB: Mobil Polyrex EM				<p>Across The Line</p> 		
MOTOR WEIGHT 2116 LBS		CONNECTION 6 Lead Δ			SER NO									
<p>General purpose use on industrial machinery installed in damp, dusty or dirty environments.</p> <p>Hernando, Mississippi</p>    														

APPLICATIONS:

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