



## PE449TS-250-2

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
250	3600	449TS	21.7	31.4	49.1	11	1.35	0.81	3.35	9	18	20	25	23	23.4	3	7.5

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.375	4.5	2.021	0.625	3.03	4.75	3	19.9	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
250	3580	449TS	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%	100%	75%	50%	FLT	LRT %	BDT %				
266	1825	95.8	95.8	95.1	0.91	0.90	0.88	367.38	130	240	6314	6314	6 Lead Δ	1954

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS								
CAT NO.		PE449TS-250-2				FRAME		449TS		PHASE 3			<b>Across The Line</b> 					
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						
AMPS		266		AMPS		326		DE BRG		6314								
CODE		G		P.F.		0.91		CODE		F		P.F.		0.92		ODE BRG 6314		
EFF		95.8		MIN		95.0		EFF		94.3		MIN		93.5		LUB: Mobil Polyrex EM		
MOTOR WEIGHT		1954		LBS		CONNECTION			6 Lead Δ			SER NO						
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi												CC082A 272709						

### APPLICATIONS:

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