



PE449TS-300-4

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
300	1800	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	6319	6318	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
300	1790	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 %				
330	2200	96.2	96.0	95.6	0.87	0.86	0.80	885.37	140	245	6319	6318	6 Lead Δ	2172

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS						
CAT NO.		PE449TS-300-4				FRAME		449TS		PHASE		3		Across The Line 		
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55		PWS Start 			
HP	300	RPM	1790	HP	300	RPM	1488	DUTY	CONT	DES	B		PWS Run 			
VOLTS		460		VOLTS		380		AMB		40 °C		INS		F		
AMPS		330		AMPS		411		DE BRG		6319		ODE BRG		6318		
CODE	G	P.F.	0.87	CODE	F	P.F.	0.87	LUB:		Mobil Polyrex EM						
EFF	96.2	MIN	95.4	EFF	95.0	MIN	94.2	CONNECTION		6 Lead Δ		SER NO				
MOTOR WEIGHT		2172 LBS		CONNECTION		6 Lead Δ		SER NO								
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi										CC082A						

APPLICATIONS:

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