



## PE449T-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	449T	21.7	31.4	52.8	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	
3.375	8.25	2.88	0.875	6.91	8.5	3	19.9	NU319	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	449T	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	NU319	6318	6 Lead Δ	2196

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS							
CAT NO.		PE449T-300-4				FRAME		449T		PHASE		3		<b>Across The Line</b> 			
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55		<b>PWS Start</b> 				
HP	300	RPM	1790	HP	300	RPM	1488	DUTY CONT	DES		B		<b>PWS Run</b> 				
VOLTS		460		VOLTS		380		AMB	40 °C		INS		F				
AMPS		330		AMPS		411		DE BRG		NU319							
CODE	G	P.F.	0.87	CODE	F	P.F.	0.87	ODE BRG		6318							
EFF	96.2	MIN	95.4	EFF	95.0	MIN	94.2	LUB:		Mobil Polyrex EM							
MOTOR WEIGHT		2196 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.