



## PE449TSC-300-2

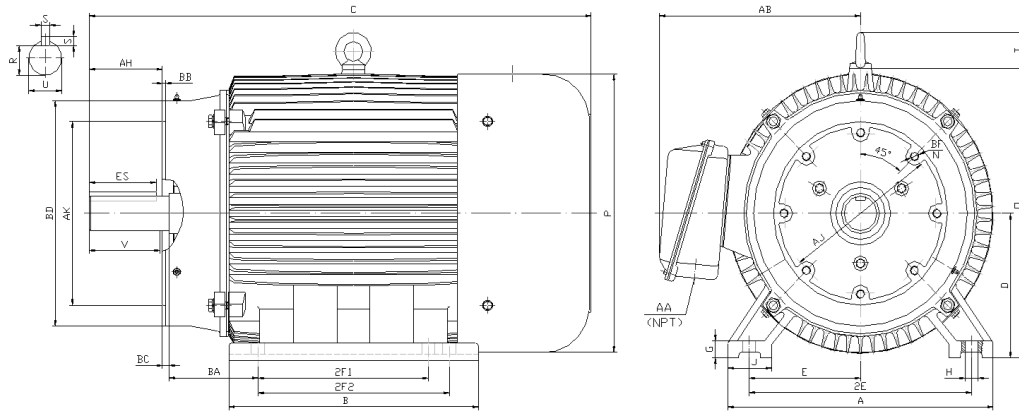
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED - C-FLANGE WITH 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
300	3600	449TSC	21.7	31.4	49.1	11	1.35	0.81	3.35	9	18	20	25	23	23.4	3	7.5

FLANGE							Shaft Extension, Key Set						
AH	AJ	AK	BB	BC	BD	BF	U	V	R	S	ES	N-W	
4.5	14	16	0.25	0.25	18	8*5/8-11	2.375	4.5	2.021	0.625	3.03	NA	

Conduit Box		Bearings		Mount
AA	AB	DE	ODE	
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
300	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%	100%	75%	50%	FLT	LRT %	BDT %				
320	2200	95.8	95.5	95.1	0.91	0.91	0.89	440.85	130	245	6314	6314	6 Lead Δ	2139

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS																
CAT NO.		PE449TSC-300-2				FRAME		449TSC		PHASE		3		<b>Across The Line</b> 												
HZ		60		S.F.		1.15		HZ		50		S.F.		1.0		ENCL		TEFC		IP		55				
HP		300		RPM		3580		HP		300		RPM		2980		DUTY		CONT		DES		B				
VOLTS		460				VOLTS		380				AMB		40 °C		INS		F								
AMPS		320				AMPS		395				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		2139		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.