



## PE444T-100-6

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
100	1200	444T	21.7	22.9	44.3	11	1.35	0.81	3.35	9	18	14.5	16.5	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
100	1185	444T	208-230/460	60	1.15	F	B	1.3	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 %				
116	725	95.0	95.0	95.0	0.81	0.79	0.72	442.5	150	245	NU319	6318	12 Lead 2Δ/Δ	1364

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS			
CAT NO.		PE444T-100-6				FRAME		444T		PHASE 3			
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55		
HP	100	RPM	1185	HP	100	RPM	985	DUTY CONT	DES B				
VOLTS		208-230/460				VOLTS		190/380		AMB	40 °C	INS	F
AMPS		250 - 232 / 116		AMPS		294/147		DE BRG		NU319			
CODE	G	P.F.	0.81	CODE	F	P.F.	0.82	ODE BRG		6318			
EFF	95.0	MIN	94.1	EFF	93.5	MIN	92.6	LUB: Mobil Polyrex EM					
MOTOR WEIGHT		1364 LBS		CONNECTION			12 Lead 2Δ/Δ		SER NO				
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi										CC082A			
208-230V 													
460V 													

### APPLICATIONS:

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