



PE445T-150-4-BB

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
150	1800	445T	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	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
150	1790	445T	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 %				
171	1085	95.8	95.8	95.0	0.87	0.86	0.80	442.74	150	250	6319	6318	6 Lead Δ	1683

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS				
CAT NO. PE445T-150-4-BB		FRAME 445T		PHASE 3								Across The Line 		
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55							PWS Start 		
HP 150	RPM 1790	HP 150	RPM 1488	DUTY CONT	DES B							PWS Run 		
VOLTS 460		VOLTS 380		AMB 40 °C	INS F									
AMPS 171		AMPS 203		DE BRG 6319										
CODE G	P.F. 0.87	CODE F	P.F. 0.88	ODE BRG 6318										
EFF 95.8	MIN 95.0	EFF 93.5	MIN 92.7	LUB: Mobil Polyrex EM										
MOTOR WEIGHT 1683	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.