



## PE145T-1-6

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
1	1200	145T	7	7.2	14.6	3.5	0.5	0.34	1.4	2.75	5.5	4	5	7.1	6.95	NA	2.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
0.875	2	0.771	0.188	1.41	2.25	0.75	6.1	6205-ZZ	6205-ZZ	F1

**BEARING LUBRICATION:** The bearings come lubricated with Mobil Polyrex EM Polyurea Grease.





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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
1	1160	145T	208-230/460	60	1.15	F	B	3.3	M	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 %	6205-ZZ	6205-ZZ	9 Lead 2Y/Y	53
1.8	15	82.5	81.0	79.0	0.62	0.54	0.43	4.6	200	290				

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS		
CAT NO. PE145T-1-6		FRAME 145T		PHASE 3								
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55							
HP 1	RPM 1160	HP 1	RPM 950	DUTY CONT	DES B							
VOLTS 208-230/460		VOLTS 190/380		AMB 40 °C	INS F							
AMPS 4 - 3.6 / 1.8		AMPS 4/2		DE BRG 6205-ZZ								
CODE M	P.F. 0.62	CODE K	P.F. 0.69	ODE BRG 6205-ZZ								
EFF 82.5	MIN 80.0	EFF 80.5	MIN 78.0	LUB: Mobil Polyrex EM								
MOTOR WEIGHT 53	LBS	CONNECTION 9 Lead 2Y/Y		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.