



PE143T-1.5-2

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
1.5	3600	143T	7	6.2	13.6	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
1.5	3520	143T	208-230/460	60	1.15	F	B	2.2	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 %				
2	20	84.0	82.0	77.0	0.74	0.66	0.54	2.2	200	280	6205-ZZ	6205-ZZ	9 Lead 2Y/Y	46

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS		
CAT NO.		PE143T-1.5-2				FRAME		143T		PHASE 3		
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55	
HP	1.5	RPM	3520	HP	1.5	RPM	2900	DUTY	CONT	DES	B	
VOLTS	208-230/460		VOLTS		190/380		AMB		40 °C		INS	
AMPS	4.4 - 4 / 2		AMPS		5.2/2.6		DE BRG		6205-ZZ			
CODE	M	P.F.	0.74	CODE	K	P.F.	0.80	ODE BRG	6205-ZZ			
EFF	84.0	MIN	81.5	EFF	82.0	MIN	79.5	LUB: Mobil Polyrex EM				
MOTOR WEIGHT	46	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.