



PE143TC-1.5-2-AI

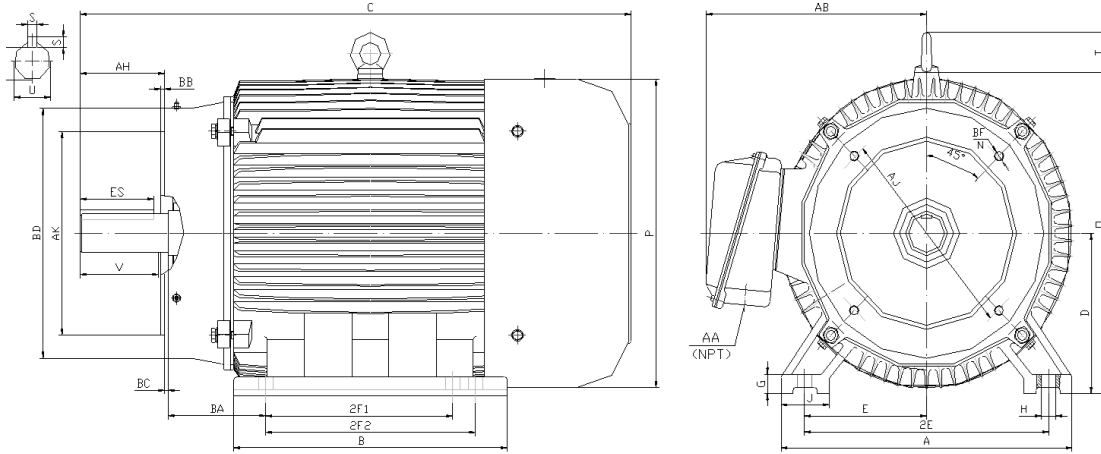
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

THREE PHASE, TOTALLY ENCLOSED FAN COOLED - C-FLANGE W/ 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
1.5	3600	143TC	7.00	6.25	14.20	3.50	0.43	0.34	1.41	2.75	5.50	4.00	5.00	7.69	8.17	1.42	2.25

FLANGE							Shaft Extension, Key Set						Conduit Box		Bearings		Mount
AH	AJ	AK	BB	BC	BD	BF	U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.12	5.875	4.50	0.16	0.12	6.50	4*3/8-16	0.875	2.00	0.771	0.189	1.42	2.25	0.75	7.28	6206-ZZ	6206-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	3500	143TC	230/460	60	1.15	F	B	2.8	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%	Min.	100%	75%	50%	FLT	LRT %	BDT %	6206-ZZ	6206-ZZ	9 Lead 2Y/Y	64
2.0	20.0	84.0	83.6	82.1	81.5	0.850	0.780	0.660	2.2	260	320				

*Usable at 208 Volts

NAME PLATE

 AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS			
CAT NO:		PE143TC-1.5-2-AI		FRAME		143TC		PHASE		3	
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55	
HP 1.5		RPM 3500		HP 1.5		RPM 2890		DUTY CONT		DES B	
VOLTS		230/460		VOLTS		190/380		AMB 40° C		INS F	
FLA		4 / 2		FLA		5.2/2.6		DE BEARING		6206-ZZ	
CODE M		P.F. 0.85		CODE N		P.F. 0.85		ODE BEARING		6206-ZZ	
EFF 84.0		MIN 81.5		EFF 82.5		MIN 80.0		LUB:		Mobil Polyrex EM	
MOTOR WEIGHT		64 LBS		CONNECTION		9 Lead 2Y/Y		SER NO			
General purpose use on industrial machinery installed in damp, dusty or dirty environments.  Hernando, Mississippi											

230V		
T4	T5	T6
T7	T8	T9
T1	T2	T3
L1	L2	L3

460V		
T4	T5	T6
T7	T8	T9
T1	T2	T3
L1	L2	L3

APPLICATIONS:

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