

APE143T-1-4

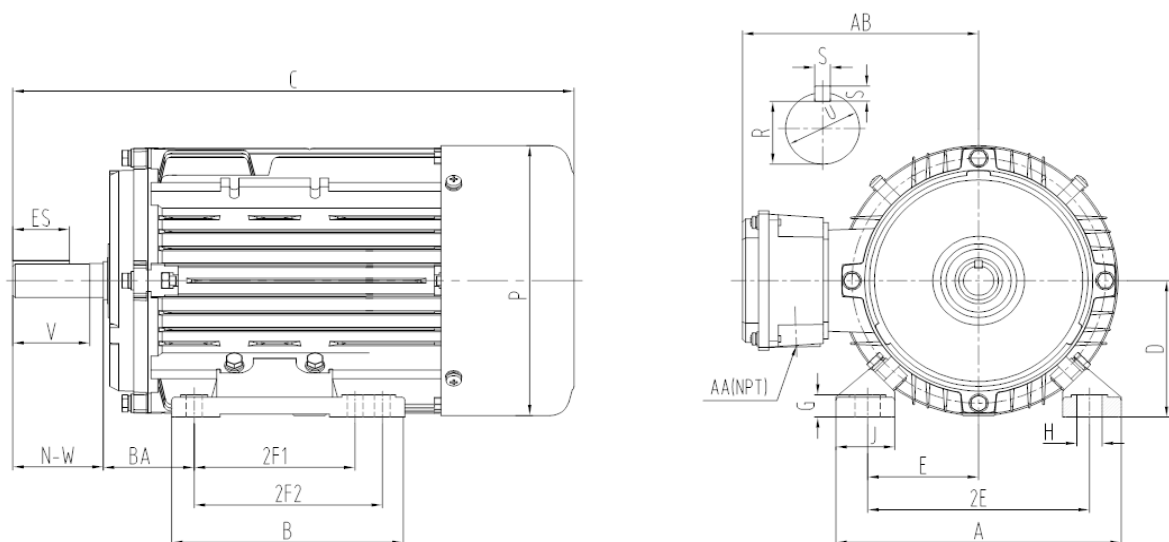
GENERAL PURPOSE ELECTRIC MOTOR

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	1800	143T	7.00	5.10	13.90	3.50	0.57	0.39	1.46	2.75	5.50	4.00	NA	NA	5.90	NA	2.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
0.875	2.00	0.770	0.188	1.41	2.25	0.75	5.87	6205-ZZ	6205-ZZ	F1

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



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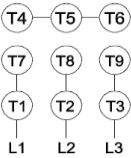
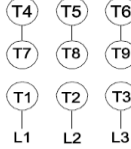
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
1	1745	143T	208-230/460	60	1.15	F	B	3.1	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 %	6205-ZZ	6205-ZZ	9 Lead 2Y/Y	35
1.5	15	85.5	85.0	82.5	82.5	0.71	0.62	0.49	3.0	275	310				

NAME PLATE

 North American Electric, Inc.													CONNECTION DIAGRAMS 208-230V 		
INVERTER DUTY 20:1 VT; 10:1 CT															
CAT NO: APE143T-1-4				FRAME 143T				PHASE 3				460V 			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55					
HP 1		RPM 1745		HP 1		RPM 1430		DUTY CONT		DES B					
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C							INS F
FLA 3.2 - 3.0 / 1.5				FLA 3.6/1.8				DE BEARING 6205-ZZ							
CODE M		P.F. 0.71		CODE H		P.F. 0.77		ODE BEARING 6205-ZZ							
EFF 85.5		MIN 82.5		EFF 83		MIN 80		LUB: Mobil Polyrex EM							
MOTOR WEIGHT 35 LBS				CONNECTION 9 Lead 2Y/Y				SER NO							
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi										   CC 082A					

APPLICATIONS:

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