

APE182T-3-4

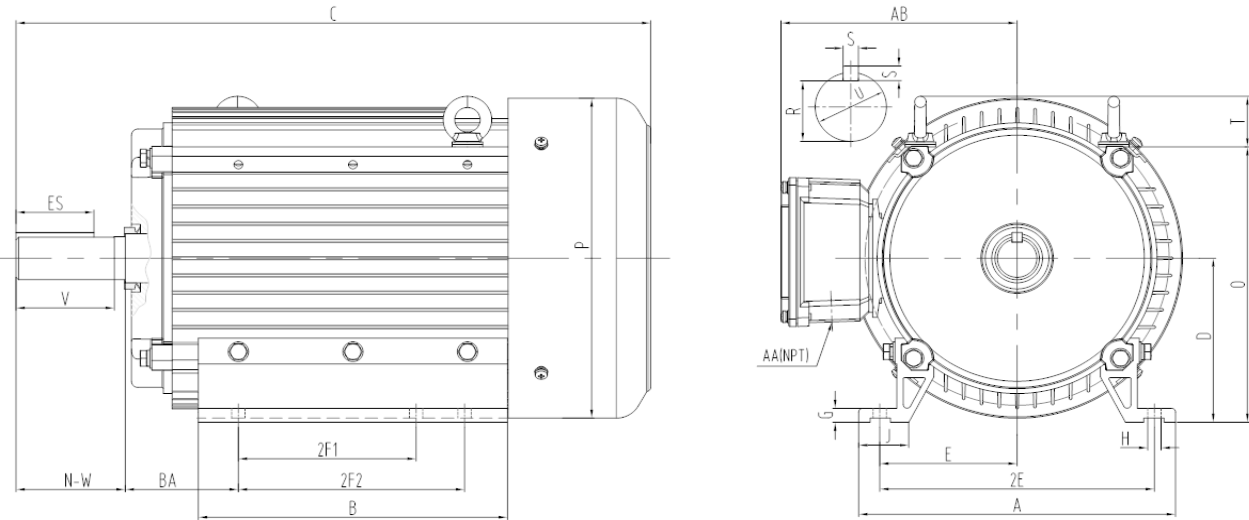
GENERAL PURPOSE ELECTRIC MOTOR

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
3	1800	182T	9.00	7.10	15.60	4.50	0.40	0.41	1.81	3.75	7.50	4.50	5.50	7.85	9.20	1.54	2.75

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.125	2.50	0.984	0.250	1.79	2.75	0.75	7.50	6206-ZZ	6206-ZZ	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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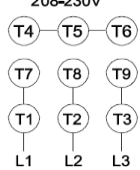
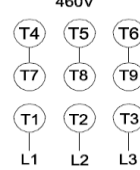



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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
3	1760	182T	208-230/460	60	1.15	F	B	2.2	K	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 %				
3.8	32	89.5	89.1	87.5	87.5	0.77	0.70	0.58	9.0	200	300	6206-ZZ	6206-ZZ	9 Lead 2Y/Y	68

NAME PLATE

 North American Electric, Inc.															CONNECTION DIAGRAMS 208-230V 				
INVERTER DUTY 20:1 VT; 10:1 CT																			
CAT NO: APE182T-3-4			FRAME 182T			PHASE 3				460V 									
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55														
HP 3	RPM 1760	HP 3	RPM 1450	DUTY CONT	DES B														
VOLTS 208-230/460		VOLTS 190/380		AMB 40° C	INS F														
FLA 8.2-7.6/3.8	FLA 9.8/4.9		DE BEARING 6206-ZZ																
CODE K	P.F. 0.77	CODE H	P.F. 0.80	ODE BEARING 6206-ZZ															
EFF 89.5	MIN 87.5	EFF 87	MIN 85	LUB: Mobil Polyrex EM															
MOTOR WEIGHT 68 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.