

APE182T-3-2

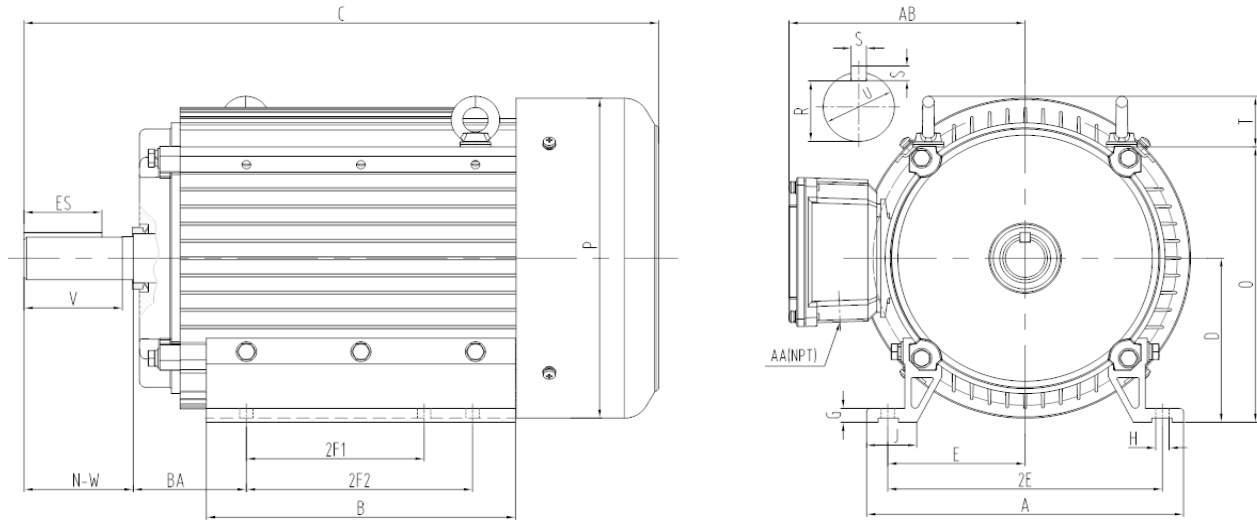
GENERAL PURPOSE ELECTRIC MOTOR

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
3	3600	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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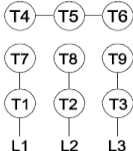
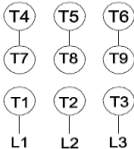
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
3	3520	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 %	6206-ZZ	6206-ZZ	9 Lead 2Y/Y	65
3.7	32	86.5	85.5	84.0	84.0	0.85	0.79	0.68	4.5	180	280				

NAME PLATE

 North American Electric, Inc. 										CONNECTION DIAGRAMS
INVERTER DUTY 20:1 VT; 10:1 CT										
CAT NO: APE182T-3-2				FRAME 182T				PHASE 3		208-230V 
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC IP 55		
HP 3		RPM 3520		HP 3		RPM 2900		DUTY CONT DES B		
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C INS F		
FLA 7.9-7.4/3.7				FLA 9.0/4.5				DE BEARING 6206-ZZ		
CODE K		P.F. 0.85		CODE F		P.F. 0.89		ODE BEARING 6206-ZZ		460V 
EFF 86.5		MIN 84.0		EFF 84.5		MIN 82		LUB: Mobil Polyrex EM		
MOTOR WEIGHT 65 LBS				CONNECTION 9 Lead 2Y/Y				SER NO		
General purpose use on industrial machinery installed in damp, dusty or dirty environments.										
   CC 082A Hernando, Mississippi										

APPLICATIONS:

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