

PE182TC-3-2

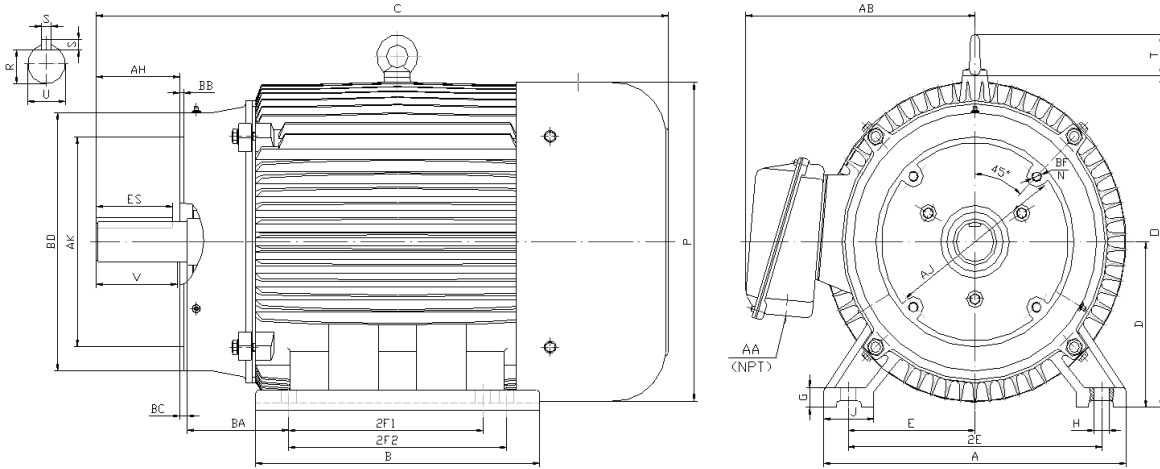
GENERAL PURPOSE ELECTRIC MOTOR

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
3	3600	182TC	9.50	7.30	16.10	4.50	0.60	0.41	2.00	3.75	7.50	4.50	5.50	9.10	8.70	1.60	2.75

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	
2.62	7.25	8.50	0.25	0.12	9.00	4*1/2-13	1.13	2.50	0.99	0.25	1.78	NA	0.75	7.50	6306-ZZ	6306-ZZ	F1

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





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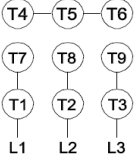



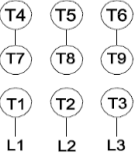
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
3	3520	182TC	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 %				
3.7	32.0	86.5	85.5	83.0	84.0	0.850	0.790	0.680	4.5	180	280	6306-ZZ	6306-ZZ	9 Lead 2Y/Y	88

NAME PLATE

 North American Electric, Inc.													CONNECTION DIAGRAMS 208-230V 										
INVERTER DUTY 20:1 VT; 10:1 CT																							
CAT NO:		PE182TC-3-2				FRAME		182TC		PHASE		3											
HZ		60		S.F.		1.15		HZ		50		S.F.					1.0		ENCL		TEFC		IP
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				6306-ZZ					
CODE		K		P.F.		0.85		CODE		F		P.F.		0.89		ODE BEARING				6306-ZZ			
EFF		86.5		MIN		84.0		EFF		84.5		MIN		82		LUB: Mobil Polyrex EM							
MOTOR WEIGHT				88		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.