



PE182TC-1.5-6C

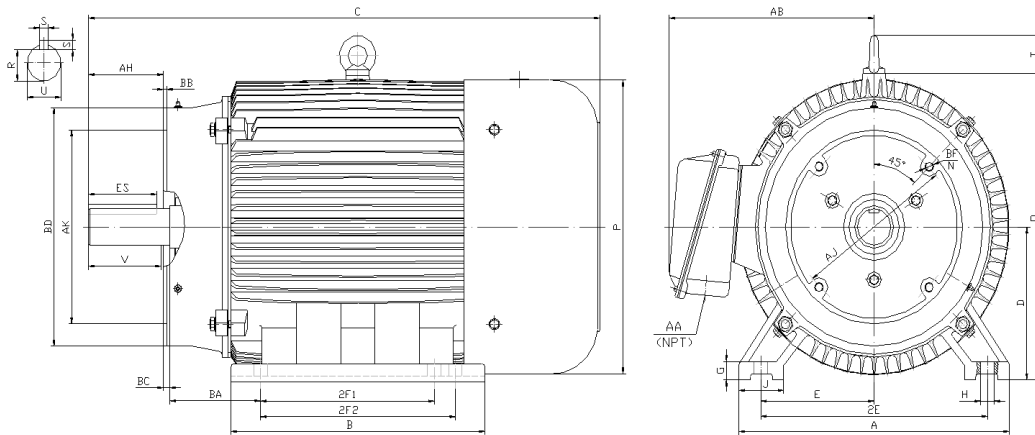
GENERAL PURPOSE ELECTRIC MOTOR

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	1200	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	1.125	2.5	0.986	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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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	1175	182TC	208-230/460	60	1.15	F	C	2.1	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 %	6306-ZZ	6306-ZZ	9 Lead 2Y/Y	95
2.4	20.0	87.5	86.5	84.0	85.5	0.680	0.590	0.470	6.8	250	300				

NAME PLATE

 North American Electric, Inc.																CONNECTION DIAGRAMS															
INVERTER DUTY 20:1 VT; 10:1 CT																															
CAT NO:				PE182TC-1.5-6C				FRAME				182TC				PHASE				3											
HZ		60		S.F.		1.15		HZ		50		S.F.		1.0		ENCL		TEFC		IP		55									
HP		1.5		RPM		1175		HP		1.5		RPM		970		DUTY		CONT		DES		C									
VOLTS				208-230/460				VOLTS				190/380				AMB		40° C		INS		F									
FLA				5.2 - 4.8 / 2.4				FLA				5.6/2.8				DE BEARING				6306-ZZ											
CODE		M		P.F.		0.68		CODE		K		P.F.		0.73		ODE BEARING				6306-ZZ											
EFF		87.5		MIN		85.5		EFF		85.5		MIN		83.5		LUB:				Mobil Polyrex EM											
MOTOR WEIGHT				95				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																															

208-230V								
								
								
								
L1	L2	L3						

460V								
								
								
								
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.