



PE182TC-3-4-RB-AI

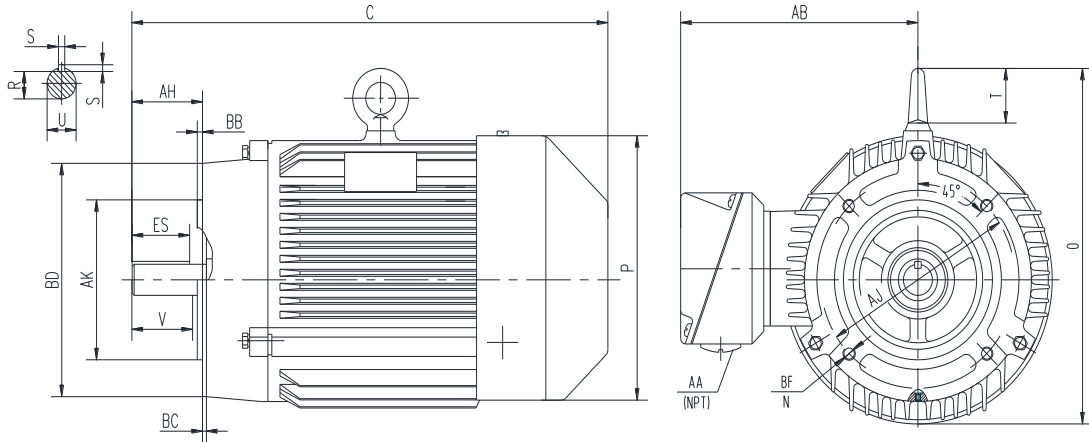
GENERAL PURPOSE ELECTRIC MOTOR

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	1800	182TC	NA	NA	16.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.35	1.42	NA

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	7.250	8.50	0.25	0.12	9.00	4*1/2-13	1.125	2.50	0.986	0.250	1.78	2.75	1.00	8.66	6207-ZZ	6207-ZZ	F1

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





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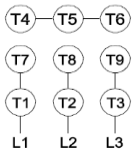
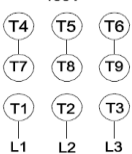
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
3	1745	182TC	208-230/460	60	1.15	F	B	3.1	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 %	6207-ZZ	6207-ZZ	9 Lead 2Y/Y	101
4.0	32.0	89.5	89.1	87.6	87.5	0.820	0.770	0.650	9.0	250	320				

NAME PLATE

 AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT 										CONNECTION DIAGRAMS
CAT NO: PE182TC-3-4-RB-AI			FRAME 182TC			PHASE 3				208-230V 
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC IP 55		
HP 3		RPM 1745		HP 3		RPM 1450		DUTY CONT DES B		
VOLTS 208-230/460			VOLTS 190/380			AMB 40° C		INS F		
FLA 8.8 - 8 / 4			FLA 9.2/4.6			DE BEARING 6207-ZZ				
CODE K		P.F. 0.82		CODE L		P.F. 0.82		ODE BEARING 6207-ZZ		
EFF 89.5		MIN 87.5		EFF 88.5		MIN 86.5		LUB: Mobil Polyrex EM		
MOTOR WEIGHT 101 LBS			CONNECTION 9 Lead 2Y/Y			SER NO				460V 
General purpose use on industrial machinery installed in damp, dusty or dirty environments.  CC113B 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.