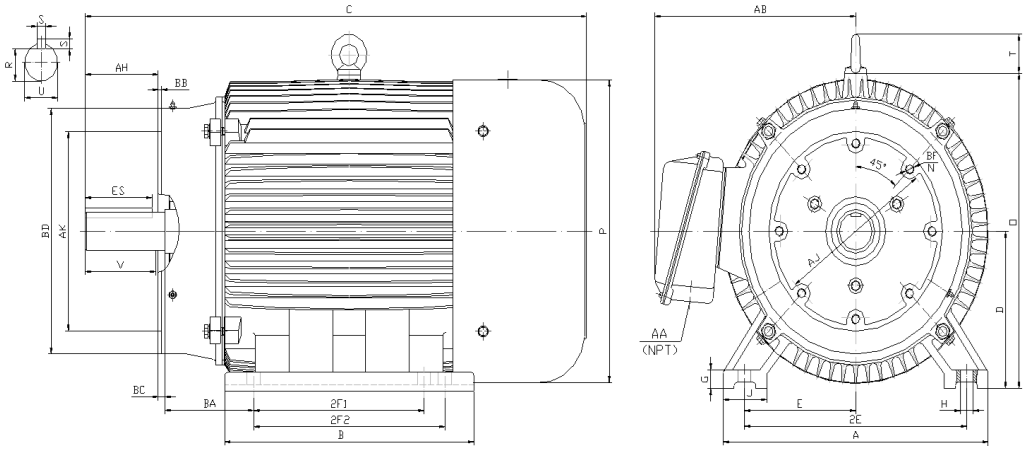
North American Electric

PE365TC-75-4

GENERAL PURPOSE ELECTRIC MOTOR
NEMA PREMIUM EFFICIENCY
TOTALLY ENCLOSED FAN COOLED - C-FLANGE WITH 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
75	1800	365TC	17.1	15.4	33.5	9	1.15	0.66	2.95	7	14	11.25	12.25	18.5	18.4	2.6	5.88

FLANGE							Shaft Extension, Key Set					
AH	AJ	AK	BB	BC	BD	BF	U	V	R	S	ES	N-W
5.62	11	12.5	0.25	0.25	14	8*5/8-11	2.375	5.62	2.021	0.625	4.28	NA

Conduit Box		Bearings		Mount
AA	AB	DE	ODE	
3	15	6313	6313	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

ISO9001 CERTIFIED CE NEMA Premium CSA C US

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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
75	1780	365TC	230/460	60	1.15	F	B	1.1	G	TEFC	55	40 °C

Amps (460V)		Efficiency (%)			Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	100%	75%	50%	FLT	LRT %	BDT %				
87	542	95.4	95.5	95.5	0.85	0.82	0.75	221.95	160	250	6313	6313	12 Lead 2Δ/Δ	881

**Usable at 208 Volts*

NAME PLATE

North American Electric

AC INDUCTION MOTOR
INVERTER DUTY 20:1 VT; 10:1 CT

NEMA Premium

CAT NO. PE365TC-75-4			FRAME 365TC		PHASE 3
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55
HP 75	RPM 1780	HP 75	RPM 1480	DUTY CONT	DES B
VOLTS 230/460		VOLTS 190/380		AMB 40 °C	INS F
AMPS 174 / 87		AMPS 210/105		DE BRG 6313	
CODE G	P.F. 0.85	CODE F	P.F. 0.86	ODE BRG 6313	
EFF 95.4	MIN 94.5	EFF 94.0	MIN 93.1	LUB: Mobil Polyrex EM	
MOTOR WEIGHT 881 LBS		CONNECTION 12 Lead 2Δ/Δ		SER NO	

General purpose use on industrial machinery installed in damp, dusty or dirty environments.

Hernando, Mississippi

ISO9001 CERTIFIED

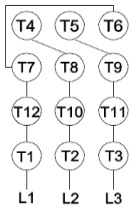
CE

C SP US 272709

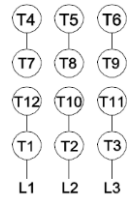
CC082A

CONNECTION DIAGRAMS

230V



460V



APPLICATIONS:

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