

PE405TC-75-6C

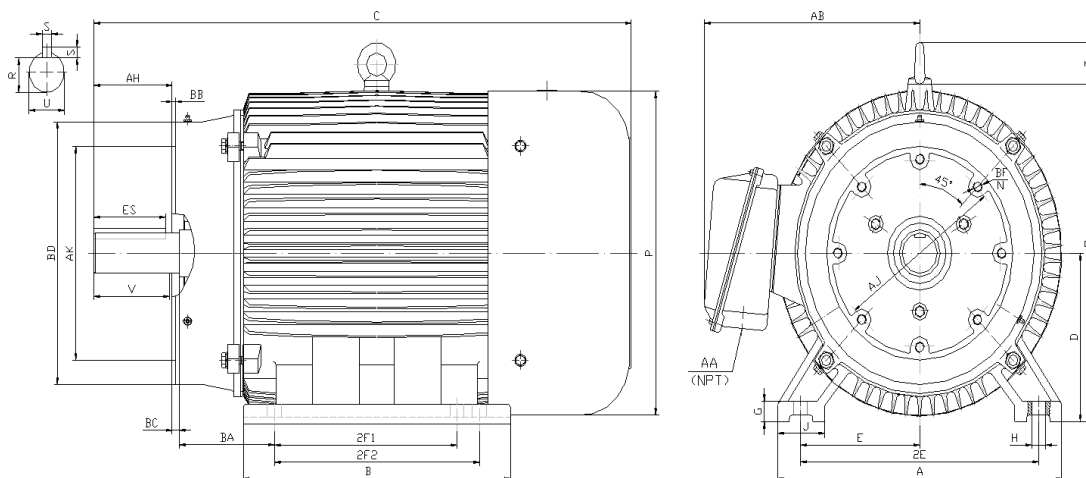
GENERAL PURPOSE ELECTRIC MOTOR

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
75	1200	405TC	19.30	17.90	38.00	10.00	1.18	0.81	3.15	8.00	16.00	12.25	13.75	21.10	21.60	2.60	6.62

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	
7.00	11	12.50	0.25	0.25	15.50	8*5/8-11	2.875	7	2.45	0.75	5.65	NA	3.00	16.60	6318	6314	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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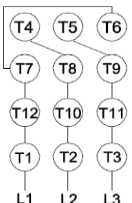
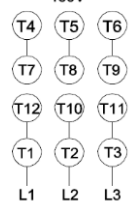
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
75	1190	405TC	208-230/460	60	1.15	F	C	0.8	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%	Min.	100%	75%	50%	FLT	LRT %	BDT %	6318	6314	12 Lead 2Δ/Δ	1140
87.0	542.0	94.5	94.8	94.5	93.6	0.830	0.820	0.760	335	200	240				

NAME PLATE

North American Electric, Inc. 										CONNECTION DIAGRAMS 208-230V 
INVERTER DUTY 20:1 VT; 10:1 CT										
CAT NO: PE405TC-75-6C			FRAME 405TC			PHASE 3				460V 
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55					
HP 75	RPM 1190	HP 75	RPM 990	DUTY CONT	DES C					
VOLTS 208-230/460		VOLTS 190/380		AMB 40° C	INS F					
FLA 193 - 174 / 87		FLA 216/108		DE BEARING 6318						
CODE G	P.F. 0.83	CODE F	P.F. 0.84	ODE BEARING 6314						
EFF 94.5	MIN 93.6	EFF 93	MIN 92.1	LUB: Mobil Polyrex EM						
MOTOR WEIGHT 1140 LBS		CONNECTION 12 Lead 2Δ/Δ		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.