

PE405TC-100-2

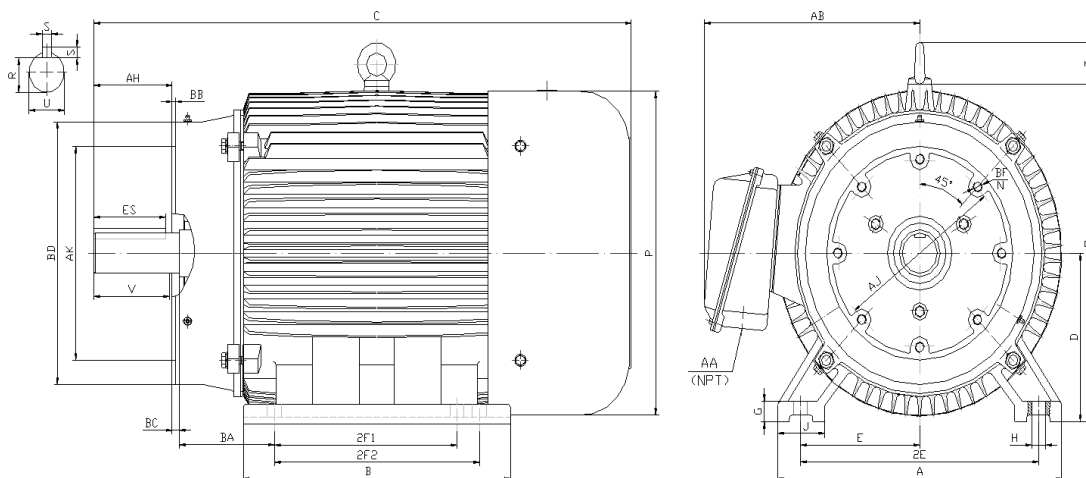
GENERAL PURPOSE ELECTRIC MOTOR

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
100	3600	405TC	19.30	17.90	38.00	10.00	1.18	0.81	3.15	8.00	16.00	12.25	13.75	19.80	19.10	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	11.00	12.50	0.25	0.25	15.50	8*5/8-11	2.88	7.00	2.45	0.75	5.65	NA	3.00	15.60	6314	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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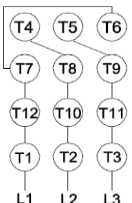
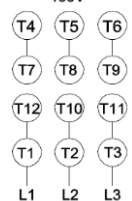
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
100	3570	405TC	208-230/460	60	1.15	F	B	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 %				
112.0	725.0	94.1	93.5	93.0	93.0	0.900	0.880	0.820	147.2	130	245	6314	6314	12 Lead 2Δ/Δ	1148

NAME PLATE

North American Electric, Inc.  INVERTER DUTY 20:1 VT; 10:1 CT										CONNECTION DIAGRAMS			
CAT NO:		PE405TC-100-2		FRAME		405TC		PHASE		3		208-230V	
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55			
HP 100		RPM 3570		HP 100		RPM 2960		DUTY CONT		DES B			
VOLTS		208-230/460		VOLTS		190/380		AMB 40° C		INS F			
FLA		248 - 224 / 112		FLA		272/136		DE BEARING				6314	
CODE G		P.F. 0.90		CODE F		P.F. 0.91		ODE BEARING				6314	
EFF 94.1		MIN 93.0		EFF 92.6		MIN 91.5		LUB:				Mobil Polyrex EM	
MOTOR WEIGHT		1148 LBS		CONNECTION				12 Lead 2Δ/Δ		SER NO			
General purpose use on industrial machinery installed in damp, dusty or dirty environments.  Hernando, Mississippi												460V	
													

APPLICATIONS:

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