

PE405TSC-100-2

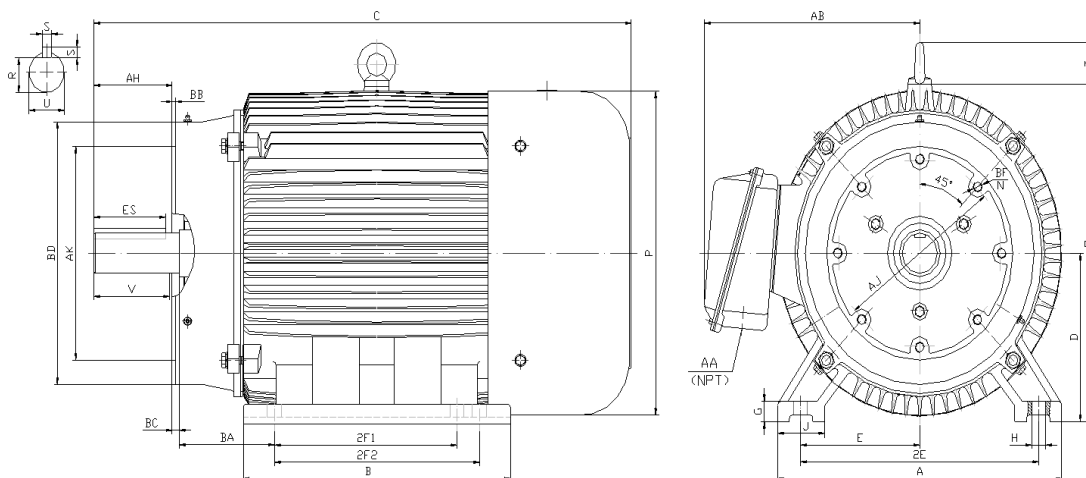
GENERAL PURPOSE ELECTRIC MOTOR

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	405TSC	19.30	17.90	35.00	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	
4.00	11.00	12.50	0.25	0.25	15.50	8*5/8-11	2.13	4.00	1.85	0.50	2.78	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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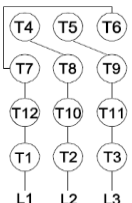
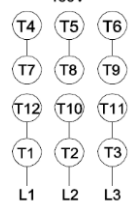
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PERFORMANCE DATA

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	405TSC	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. 										CONNECTION DIAGRAMS 208-230V 								
CAT NO:		PE405TSC-100-2			FRAME		405TSC		PHASE		3		460V 					
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.  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.