

PE405TSC-100-4

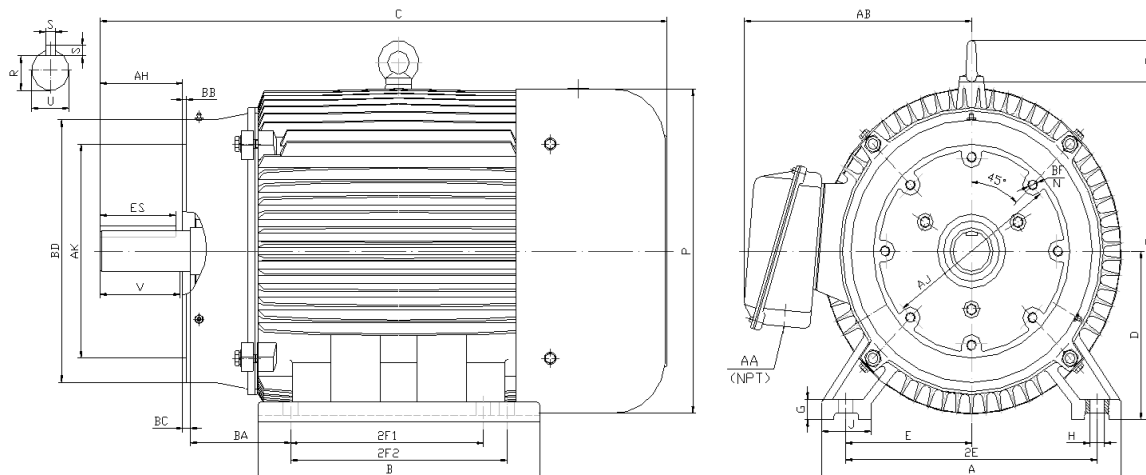
GENERAL PURPOSE ELECTRIC MOTOR

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	1800	405TSC	19.30	17.90	35.00	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	
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	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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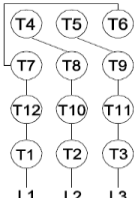
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
100	1790	405TSC	208-230/460	60	1.15	F	B	0.6	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	95.4	95.4	95.2	94.5	0.870	0.840	0.770	295.2	155	240	6318	6314	12 Lead 2Δ/Δ	1228

NAME PLATE

 North American Electric, Inc.																				CONNECTION DIAGRAMS																																																						
INVERTER DUTY 20:1 VT; 10:1 CT																				208-230V																																																						
CAT NO: PE405TSC-100-4					FRAME 405TSC					PHASE 3																																																																
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55																																																																
HP 100		RPM 1790		HP 100		RPM 1485		DUTY CONT		DES B																																																																
VOLTS 208-230/460			VOLTS 190/380			AMB 40° C			INS F																																																																	
FLA 248 - 224 / 112			FLA 274/137			DE BEARING 6318																																																																				
CODE G		P.F. 0.87		CODE F		P.F. 0.88		ODE BEARING 6314																																																																		
EFF 95.4		MIN 94.5		EFF 94.1		MIN 93.2		LUB: Mobil Polyrex EM																																																																		
MOTOR WEIGHT 1228 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.