



PE405T-100-4C

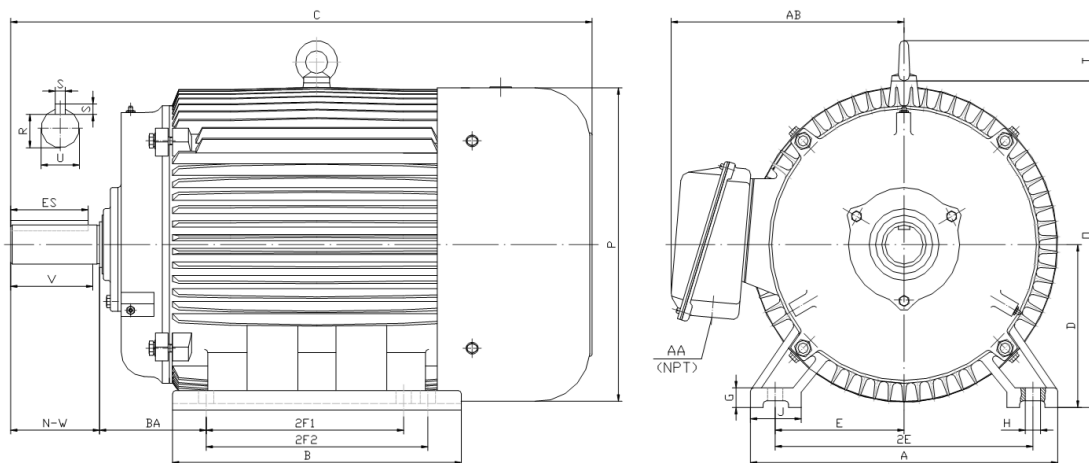
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

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	405T	19.30	19.90	40.00	10.00	1.25	0.81	3.15	8.00	16.00	12.25	13.75	21.10	21.60	2.60	6.62

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.875	7.00	2.450	0.750	5.65	7.25	3.00	16.60	NU318	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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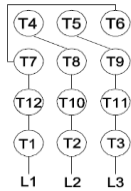
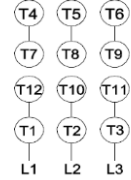
PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
100	1785	405T	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 %	NU318	6314	12 Lead 2Δ/Δ	1228
112.0	725	95.4	95.4	95.2	94.5	0.870	0.840	0.770	295.2	200	260				

NAME PLATE

 North American Electric, Inc.											
INVERTER DUTY 20:1 VT; 10:1 CT											
CONNECTION DIAGRAMS											
208-230V											
CAT NO: PE405T-100-4C				FRAME 405T				PHASE 3			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55	
HP 100		RPM 1785		HP 100		RPM 1485		DUTY CONT		DES C	
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F	
FLA 248 - 224 / 112				FLA 274/137				DE BEARING NU318			
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.											
Hernando, Mississippi											
ISO9001 CERTIFIED				CE		SP® US		CC 082A			

											
460V											
											

APPLICATIONS:

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