

PE405T-100-4

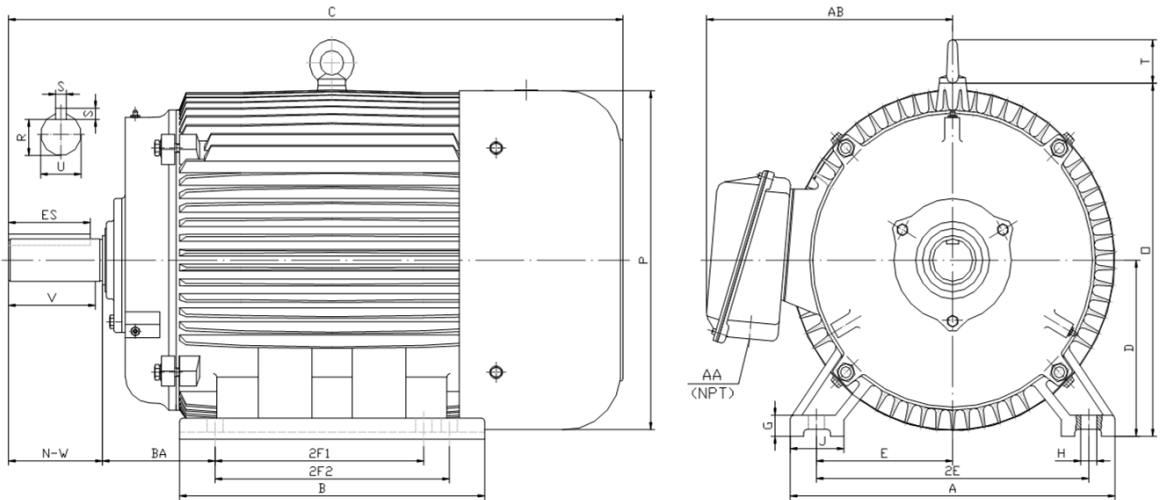
GENERAL PURPOSE ELECTRIC MOTOR

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	17.90	38.00	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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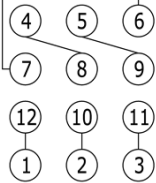



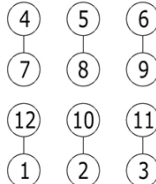
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PERFORMANCE DATA

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	405T	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	95.4	95.4	95.2	94.5	0.870	0.840	0.770	295.2	155	240	NU318	6314	12 Lead 2Δ/Δ	1058

NAME PLATE

 North American Electric, Inc.													CONNECTION DIAGRAMS 208-230V 			
INVERTER DUTY 20:1 VT; 10:1 CT																
CAT NO: PE405T-100-4			FRAME 405T			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 247.7 - 224 / 112			FLA 274/137			DE BEARING NU318										
CODE G	P.F. 0.87	CODE D	P.F. 0.88	ODE BEARING 6314												
EFF 95.4	MIN 94.5	EFF 94.1	MIN 93	LUB: Mobil Polyrex EM												
MOTOR WEIGHT 1058 LBS		CONNECTION 12 Lead 2Δ/Δ			SER NO											
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi										   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.



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