

**PE405TS-100-2-575V**

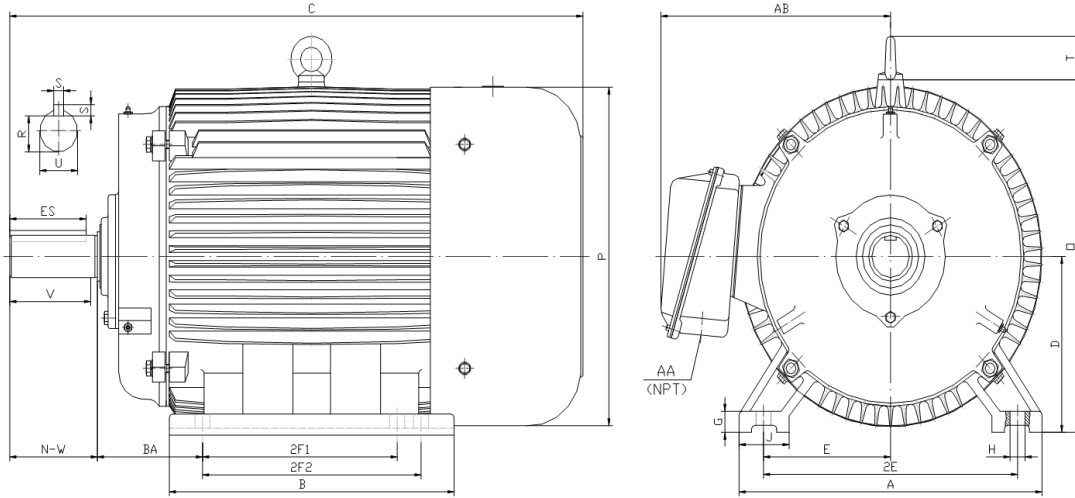
**GENERAL PURPOSE ELECTRIC MOTOR**

**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	3600	405TS	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

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.13	4.00	1.85	0.50	2.78	4.25	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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**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	405TS	575	60	1.15	F	B	0.8	G	TEFC	55	40° C

Amps (575V)		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 %				
89.6	580	94.1	93.5	93.0	93.0	0.900	0.880	0.820	147.2	130	245	6314	6314	6 Lead Δ	1040

**NAME PLATE**

									<b>CONNECTION DIAGRAM</b>  <b>575 V Delta</b> 			
<b>INVERTER DUTY 20:1 VT; 10:1 CT</b>												
CAT NO:		PE405TS-100-2-575V		HP	100	Hz	60	PHASE	3			
VOLTS		575		FLA	89.6		IP RATING	55				
RPM	3570		POWER FACTOR		0.90		DESIGN	B				
FRAME	405TS		NEMA NOM EFF		94.1		CODE	G				
DRIVE END BEARING	6314		NEMA MIN EFF		93.0		S.F.	1.15				
OPP DRIVE END BEARING	6314		MAX AMB		40° C		INS CLASS	F				
ENCL	TEFC		RATING	CONT	SER							
MOTOR WEIGHT	1040	LBS	CONNECTION	6 Lead Δ		LUB:	Mobil Polyrex EM					
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi												CC 082A

**APPLICATIONS:**

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