



PE405T-75-6

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
75	1200	405T	19.3	17.9	38	10	1.25	0.81	3.15	8	16	12.25	13.75	21.1	21.6	2.6	6.62

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.875	7	2.45	0.75	5.65	7.25	3	16.6	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
75	1190	405T	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%	100%	75%	50%	FLT	LRT %	BDT %				
87	542	94.5	94.8	94.5	0.83	0.82	0.76	335	150	230	NU318	6314	12 Lead 2Δ/Δ	1085

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS				
CAT NO. PE405T-75-6		FRAME 405T			PHASE 3									
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55									
HP 75	RPM 1190	HP 75	RPM 990	DUTY CONT	DES B									
VOLTS 208-230/460		VOLTS 190/380		AMB 40 °C	INS F									
AMPS 193 - 174 / 87		AMPS 216/108		DE BRG NU318										
CODE G	P.F. 0.83	CODE F	P.F. 0.84	ODE BRG 6314										
EFF 94.5	MIN 93.6	EFF 93.0	MIN 92.1	LUB: Mobil Polyrex EM										
MOTOR WEIGHT 1085	LBS	CONNECTION 12 Lead 2Δ/Δ		SER NO										
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi													CC082A	

APPLICATIONS:

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