



PE405TC-75-6-AI

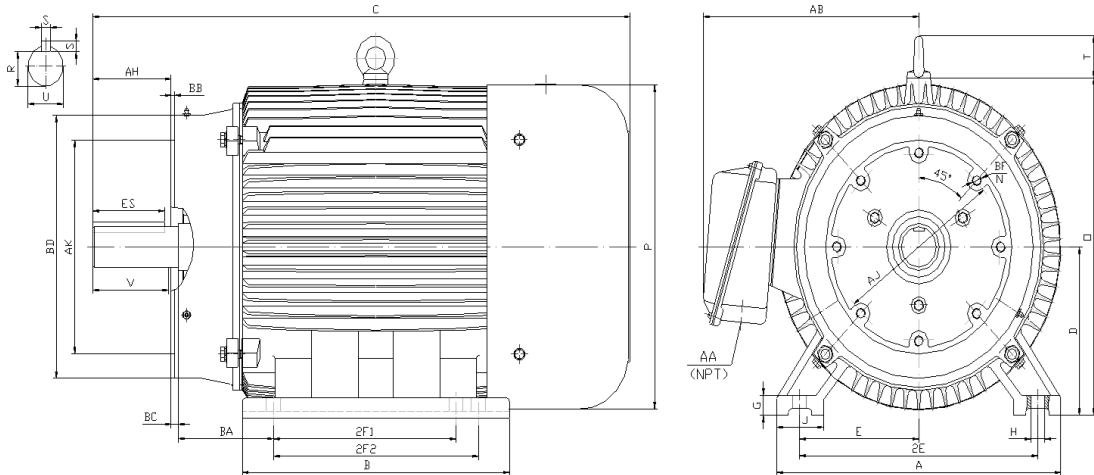
GENERAL PURPOSE ELECTRIC MOTOR

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
75	1200	405TC	20.00	17.30	38.90	10.00	1.26	0.81	3.15	8.00	16.00	12.25	13.75	20.94	21.16	2.83	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	
7.00	11.000	12.50	0.25	0.25	15.50	8*5/8-11	2.875	7.00	2.450	0.750	5.65	7.25	3.00	18.03	6318	6317	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	1180	405TC	230/460	60	1.15	F	B	1.7	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 %				
85.0	542.0	94.5	94.0	93.0	93.6	0.880	0.850	0.780	335.0	190	210	6318	6317	12 Lead 2Δ/Δ	1208

*Usable at 208 Volts

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT						CONNECTION DIAGRAMS			
CAT NO: PE405TC-75-6-AI		FRAME 405TC		PHASE 3							
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55						
HP 75	RPM 1180	HP 75	RPM 985	DUTY CONT	DES B						
VOLTS 230/460		VOLTS 190/380		AMB 40° C	INS F						
FLA 170 / 85	FLA 201.2/100.6		DE BEARING 6318								
CODE G	P.F. 0.88	CODE H	P.F. 0.88	ODE BEARING 6317							
EFF 94.5	MIN 93.6	EFF 94.1	MIN 93.0	LUB: Mobil Polyrex EM							
MOTOR WEIGHT 1208 LBS	CONNECTION 12 Lead 2Δ/Δ		SER NO								
General purpose use on industrial machinery installed in damp, dusty or dirty environments. 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.