



PE284TC-25-4-RB-AI

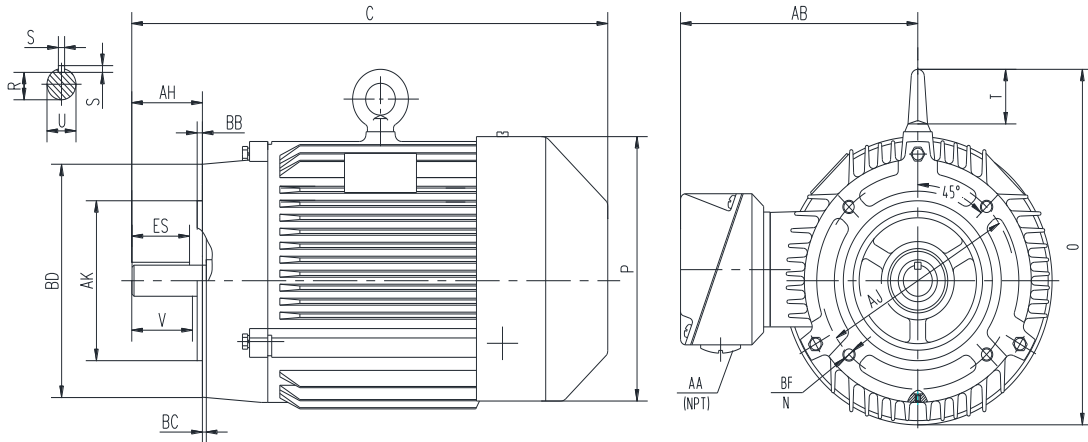
GENERAL PURPOSE ELECTRIC MOTOR

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
25	1800	284TC	NA	NA	28.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.71	2.05	NA

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	
4.38	9.000	10.50	0.25	0.25	11.25	4*1/2-13	1.875	4.38	1.591	0.500	3.28	4.62	1.50	12.40	6311	6311	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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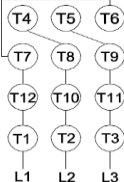
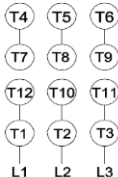
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
25	1760	284TC	208-230/460	60	1.15	F	B	2.2	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 %	6311	6311	12 Lead 2Δ/Δ	462
28.5	182.0	93.6	93.0	92.6	92.4	0.900	0.870	0.770	74.3	180	260				

NAME PLATE

 AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT												CONNECTION DIAGRAMS	
CAT NO: PE284TC-25-4-RB-AI				FRAME 284TC			PHASE 3			208-230V			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55			
HP 25		RPM 1760		HP 25		RPM 1470		DUTY CONT		DES B			
VOLTS 208-230/460				VOLTS 190/380			AMB 40° C		INS F				
FLA 63 - 57 / 28.5				FLA 71/35.5			DE BEARING 6311						
CODE G		P.F. 0.90		CODE H		P.F. 0.90		ODE BEARING 6311					
EFF 93.6		MIN 92.4		EFF 93.0		MIN 91.7		LUB: Mobil Polyrex EM					
MOTOR WEIGHT 462 LBS				CONNECTION 12 Lead 2Δ/Δ				SER NO					
General purpose use on industrial machinery installed in damp, dusty or dirty environments.  CC113B Hernando, Mississippi												460V 	

APPLICATIONS:

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