

PE284TC-25-4-RB

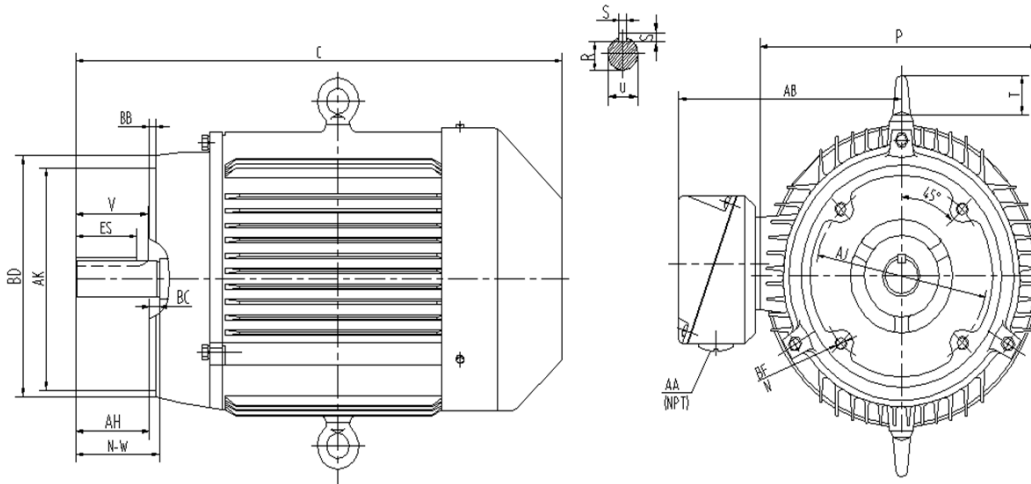
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

THREE PHASE, TOTALLY ENCLOSED FAN COOLED - C-FLANGE FOOTLESS

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									
			C	P	T	AK	AJ	AH	BA	BB	BC	BF
25	1800	284TC	28.50	15.71	2.250	10.50	9.00	4.38	4.75	0.25	0.25	4*1/2-13

Shaft Extension, Key Set					Conduit Box		Bearings		Mount
U	R	S	ES	N-W	AA	AB	DE	ODE	
1.875	1.591	0.500	3.28	4.62	1.25	13.20	6311	6311	F1

BEARING LUBRICATION: The bearings come lubricated with Mobile 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.) Mobile Polyrex EM
- 2.) Citco Polyurea MP
- 3.) Conoco Phillips Polytac EP





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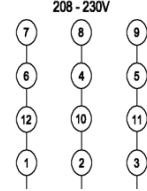
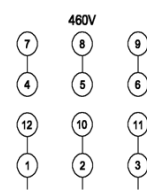




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PERFORMANCE DATA

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 %				
28.5	182.0	93.6	93.0	92.6	92.4	0.900	0.870	0.770	74.3	180	260	6311	6311	12 Lead 2Δ/Δ	462	

NAME PLATE

 North American Electric, Inc.													CONNECTION DIAGRAMS 208 - 230V 		
INVERTER DUTY 20:1 VT; 10:1 CT															
CAT NO: PE284TC-25-4-RB			FRAME 284TC				PHASE 3			460V 					
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55										
HP 25	RPM 1760	HP 25	RPM 1465	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 F		P.F. 0.90	ODE BEARING 6311									
EFF 93.6		MIN 92.4	EFF 92.4		MIN 91.0	LUB: Mobile 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. 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.