

PE286TC-30-4

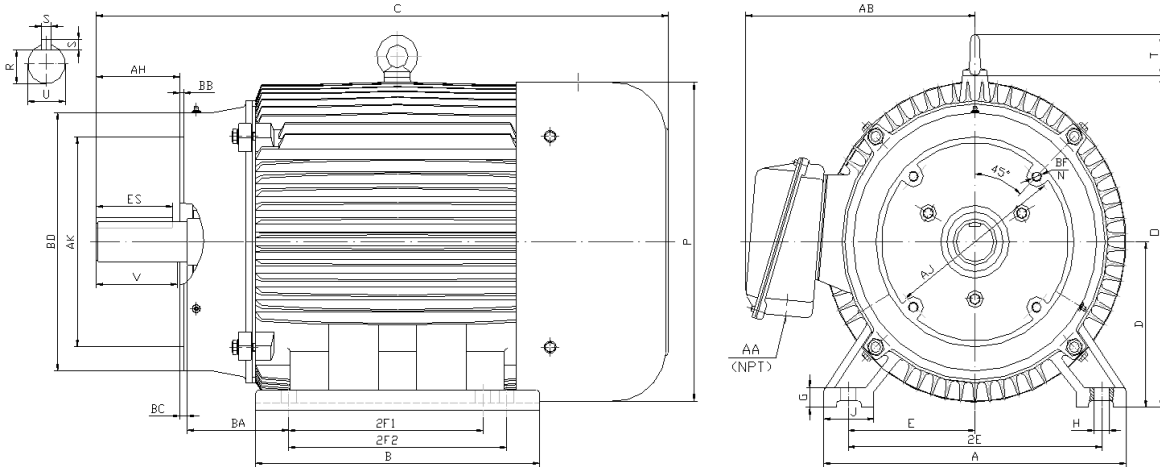
GENERAL PURPOSE ELECTRIC MOTOR

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
30	1800	286TC	14.00	13.20	28.10	7.00	0.85	0.53	2.75	5.50	11.00	9.50	11.00	14.50	14.00	2.20	4.75

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	9.00	10.50	0.25	0.25	11.25	4*1/2-13	1.88	4.38	1.59	0.50	3.28	NA	1.50	11.30	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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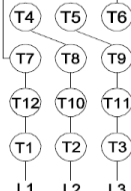



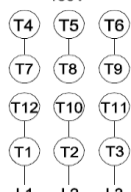
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
30	1775	286TC	208-230/460	60	1.15	F	B	1.4	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 %				
35.3	217.0	93.6	93.6	93.0	92.4	0.840	0.810	0.710	89.1	160	250	6311	6311	12 Lead 2Δ/Δ	434

NAME PLATE

 North American Electric, Inc.													CONNECTION DIAGRAMS 208-230V 			
INVERTER DUTY 20:1 VT; 10:1 CT																
CAT NO: PE286TC-30-4			FRAME 286TC			PHASE 3										
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55											
HP 30	RPM 1775	HP 30	RPM 1465	DUTY CONT	DES B											
VOLTS 208-230/460			VOLTS 190/380			AMB 40° C			INS F							
FLA 76 - 70.6 / 35.3	FLA 86/43			DE BEARING 6311												
CODE G	P.F. 0.84	CODE F	P.F. 0.86	ODE BEARING 6311												
EFF 93.6	MIN 92.4	EFF 92.2	MIN 91	LUB: Mobil Polyrex EM												
MOTOR WEIGHT 434 LBS		CONNECTION 12 Lead 2Δ/Δ			SER NO											
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi										   CC 082A			460V 			

APPLICATIONS:

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