

PE286TC-30-2

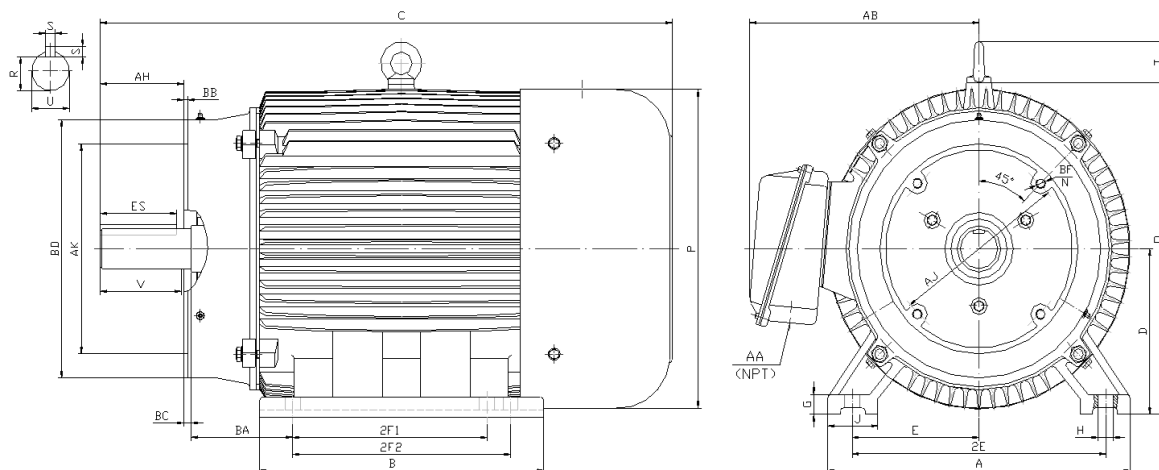
GENERAL PURPOSE ELECTRIC MOTOR

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	3600	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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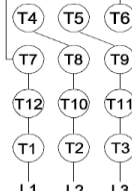
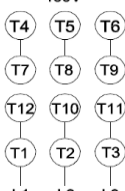
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
30	3530	286TC	208-230/460	60	1.15	F	B	1.9	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 %				
34.5	217.0	91.7	91.5	90.5	90.2	0.900	0.870	0.800	44.5	150	260	6311	6311	12 Lead 2Δ/Δ	401

NAME PLATE

 North American Electric, Inc.												CONNECTION DIAGRAMS 208-230V 					
CAT NO: PE286TC-30-2				FRAME 286TC				PHASE 3									
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55							
HP 30		RPM 3530		HP 30		RPM 2920		DUTY CONT		DES B							
VOLTS 208-230/460		VOLTS 190/380				AMB 40° C		INS F									
FLA 74 - 69 / 34.5		FLA 82/41				DE BEARING 6311											
CODE G		P.F. 0.90		CODE F		P.F. 0.91		ODE BEARING 6311									
EFF 91.7		MIN 90.2		EFF 90		MIN 88.5		LUB: Mobil Polyrex EM									
MOTOR WEIGHT 401 LBS				CONNECTION 12 Lead 2Δ/Δ				SER NO									
General purpose use on industrial machinery installed in damp, dusty or dirty environments.  CC 082A 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.