

PE286TC-30-4C

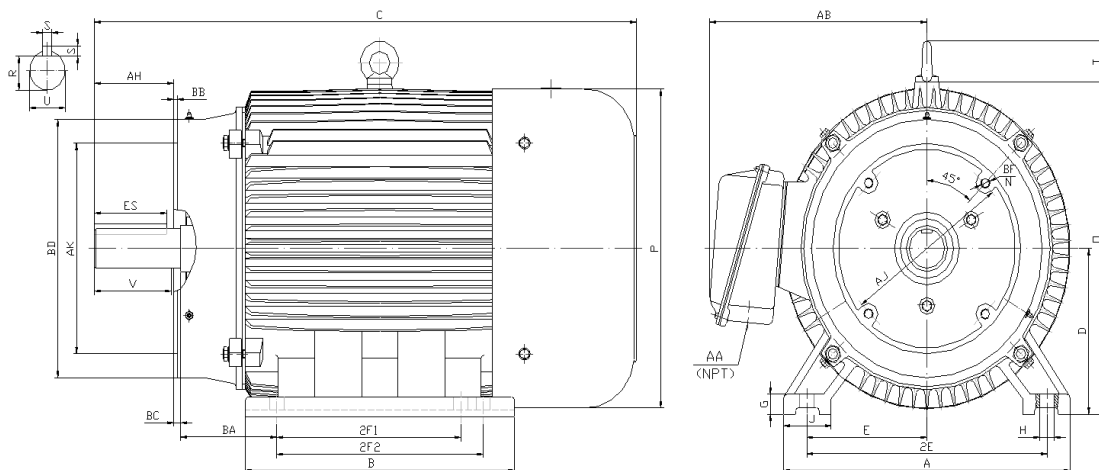
GENERAL PURPOSE ELECTRIC MOTOR

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	10.50	0.25	0.25	11.25	4*1/2-13	1.875	4.38	1.591	0.5	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



PE286TC-30-4C

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

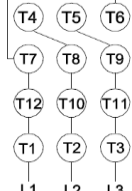
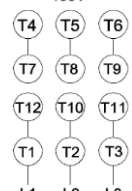
Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

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	C	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 %	6311	6311	12 Lead 2Δ/Δ	409
35.3	217.0	93.6	93.6	93.0	92.4	0.840	0.810	0.710	89.1	200	250				

NAME PLATE

 North American Electric, Inc. 										CONNECTION DIAGRAMS 208-230V  460V 		
CAT NO:		PE286TC-30-4C			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 C	
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		409 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												

APPLICATIONS:

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