

PE286TC-20-6C

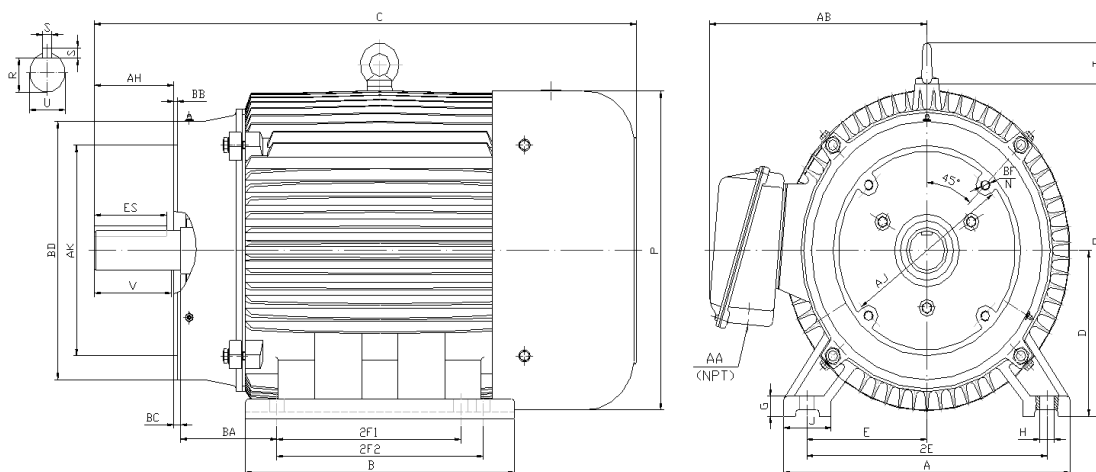
GENERAL PURPOSE ELECTRIC MOTOR

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
20	1200	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



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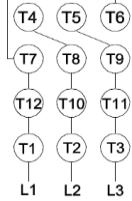
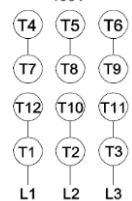
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
20	1185	286TC	208-230/460	60	1.15	F	C	1.7	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	351
25.0	145.0	91.7	91.7	91.5	90.2	0.790	0.730	0.610	89.42	200	250				

NAME PLATE

 North American Electric, Inc. 										CONNECTION DIAGRAMS 208-230V  460V 
CAT NO: PE286TC-20-6C			FRAME 286TC			PHASE 3				
HZ 60	S.F. 1.15		HZ 50	S.F. 1.0		ENCL TEFC		IP 55		
HP 20	RPM 1185		HP 20	RPM 975		DUTY CONT		DES C		
VOLTS 208-230/460			VOLTS 190/380			AMB 40° C		INS F		
FLA 54.7 - 50 / 25			FLA 62/31			DE BEARING 6311				
CODE G	P.F. 0.79		CODE F	P.F. 0.82		ODE BEARING 6311				
EFF 91.7	MIN 90.2		EFF 89.7	MIN 88.2		LUB: Mobil Polyrex EM				
MOTOR WEIGHT 351 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.