



PE324T-20-8C

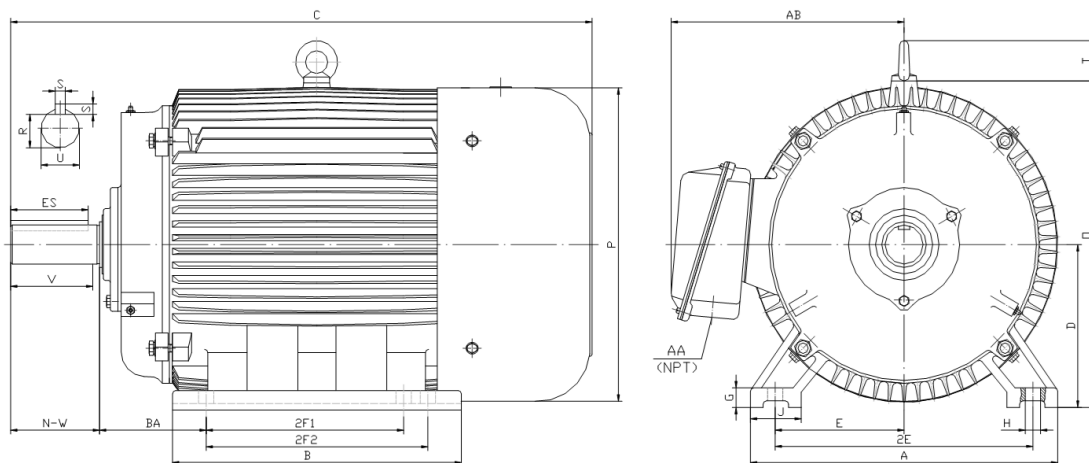
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

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	900	324T	15.50	13.20	29.80	8.00	1.00	0.66	2.75	6.25	12.50	10.50	0.00	15.90	15.70	2.60	5.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.125	5.00	1.845	0.500	3.91	5.25	2.00	12.30	6312	6312	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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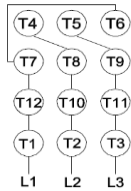
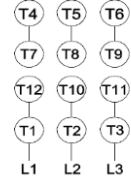
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
20	880	324T	208-230/460	60	1.15	F	C	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 %	6312	6312	12 Lead 2Δ/Δ	491
28.0	145	90.2	90.0	89.0	88.7	0.750	0.640	0.510	120.0	200	280				

NAME PLATE

North American Electric, Inc.  INVERTER DUTY 20:1 VT; 10:1 CT										CONNECTION DIAGRAMS 208-230V  460V 
CAT NO: PE324T-20-8C		FRAME 324T			PHASE 3					
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55					
HP 20	RPM 880	HP 20	RPM 735	DUTY CONT	DES C					
VOLTS 208-230/460		VOLTS 190/380		AMB 40° C	INS F					
FLA 61 - 56 / 28		FLA 67.2/33.6		DE BEARING 6312						
CODE G	P.F. 0.75	CODE F	P.F. 0.77	ODE BEARING 6312						
EFF 90.2	MIN 88.7	EFF 88.5	MIN 88	LUB: Mobil Polyrex EM						
MOTOR WEIGHT 491 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.