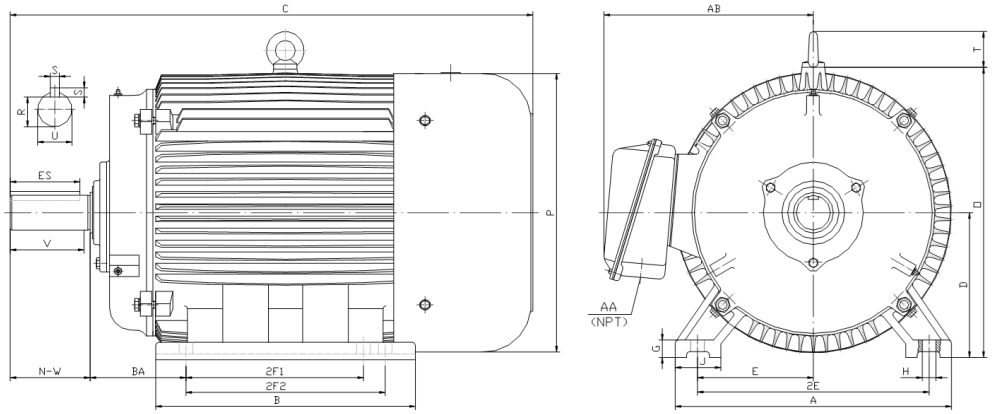
North American Electric

PE324T-20-8C

CRUSHER DUTY 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	15.5	13.2	29.8	8	1	0.66	2.75	6.25	12.5	10.5	NA	15.9	15.7	2.6	5.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.125	5	1.845	0.5	3.91	5.25	2	12.3	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

ISO9001 CERTIFIED CE NEMA Premium C SA US

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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	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%	100%	75%	50%	FLT	LRT %	BDT %				
28	145	90.2	90.0	89.0	0.75	0.64	0.51	120	200	280	6312	6312	12 Lead 2Δ/Δ	491

**Usable at 208 Volts*

NAME PLATE

North American Electric

AC INDUCTION MOTOR
INVERTER DUTY 20:1 VT; 10:1 CT

NEMA Premium

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 230/460		VOLTS 190/380		AMB 40 °C	INS F
AMPS 56 / 28		AMPS 67.2/33.6		DE BRG 6312	
CODE G	P.F. 0.75	CODE F	P.F. 0.77	ODE BRG 6312	
EFF 90.2	MIN 88.7	EFF 88.5	MIN 88.0	LUB: Mobil Polyrex EM	
MOTOR WEIGHT 491 LBS		CONNECTION 12 Lead 2Δ/Δ		SER NO	

Special purpose use on crushing and pulverizing equipment.

Hernando, Mississippi

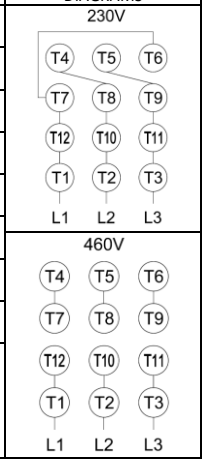
ISO9001 CERTIFIED

CE

C SP US 272709

CC082A

CONNECTION DIAGRAMS



APPLICATIONS:

Special purpose use on crushing and pulverizing equipment. Other industrial machinery requiring extremely high starting torques and breakdown torques. Suitable for use with variable frequency drives.