



PE587UZ-500-4C-BB

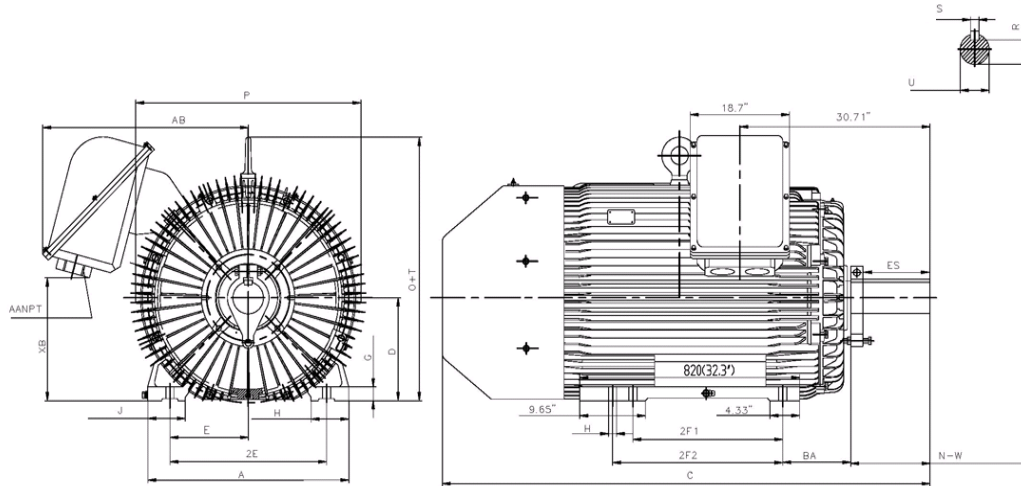
CRUSHER DUTY MOTOR

HIGH TORQUE / PREMIUM EFFICIENCY DESIGN

TOTALLY ENCLOSED FAN COOLED

HEAVY DUTY CAST IRON CONSTRUCTION

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
500	1800	587UZ	29.53	32.38	71.65	14.50	1.97	1.18	5.51	11.50	23.00	22.00	25.00	31.10	31.89	5.88	10.00

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
4.375	11.25	3.817	1.00	10.00	11.63	2 X 3"	28.15	6324	6319	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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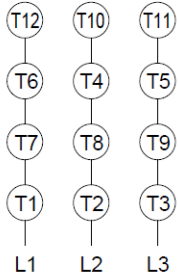
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
500	1790	587UZ	460	60	1.15	F	C	0.6	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 %	6324	6319	12 Lead Δ	5687
558.1	3625	96.2	95.8	95.4	95.4	0.895	0.887	0.856	1469	200	275				

NAME PLATE

										HIGH EFFICIENCY DESIGN										CONNECTION DIAGRAMS																			
North American Electric										CRUSHER DUTY MOTOR																													
CAT NO: PE587UZ-500-4C-BB										FRAME 587UZ										PHASE 3																			
DE BRG 6324										ODE BRG 6319										CONN. 12 Lead Δ																			
MAX AMB. 40° C										INS. CLASS F										RATING CONT WEIGHT 5687																			
LUBRICATION Mobil Polyrex EM										SER										460V 																			
60 HERTZ DATA										HP 500 RPM 1790																				HP 500 RPM 1491									
										VOLTS 460																				VOLTS 380									
										F.L. AMPS 558.1																				F.L. AMPS 675.6									
										S.F. AMPS 641.8																				S.F. AMPS 675.6									
										S.F. 1.15 DESIGN C CODE G																				S.F. 1.0 DESIGN C CODE H									
										NEMA NOM.EFF. 96.2 % NOM. P.F. 0.895																				NEMA NOM.EFF. 95.1 % NOM. P.F. 0.895									
										NEMA MIN.EFF. 95.4 % MAX. KVAR 88.6																				NEMA MIN.EFF. 94.4 % MAX. KVAR 92.3									
										50 HERTZ DATA																													
Designed specifically for use on crushing and pulverizing equipment and other equipment requiring extremely high starting torques and breakdown torques.  CC041B 232051																																							
Hernando, MS 38632																																							

APPLICATIONS:

Special purpose use on crushing and pulverizing equipment and other industrial equipment requiring extremely high starting torques and breakdown torques.