



PE587UZ-500-6C-BB

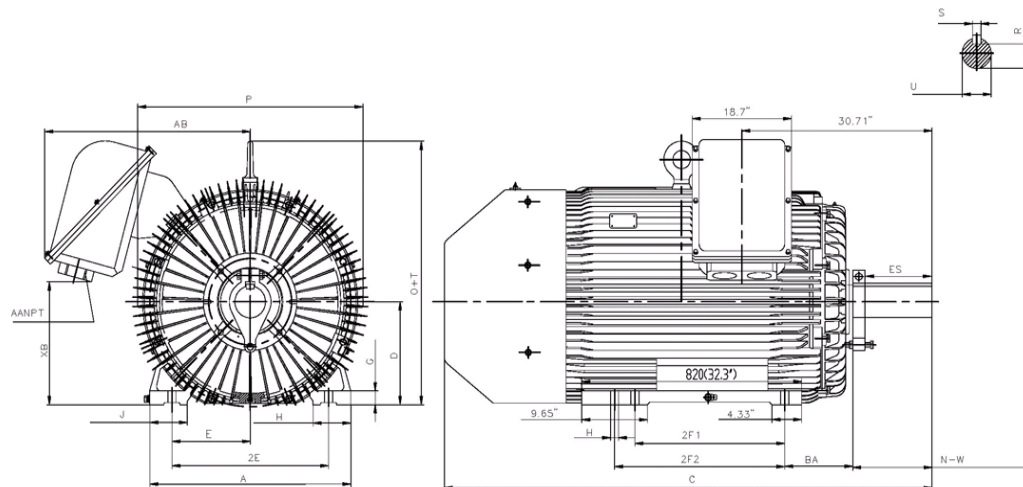
CRUSHER DUTY MOTOR

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	1200	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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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	1189	587UZ	460	60	1.15	F	C	0.9	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	6191
563.1	3625	95.8	95.4	95.0	95.0	0.857	0.834	0.769	2211	200	275				

NAME PLATE

		HIGH EFFICIENCY DESIGN				CRUSHER DUTY MOTOR				CONNECTION DIAGRAMS															
CAT NO:		PE587UZ-500-6C-BB		FRAME		587UZ		PHASE		3		460V T12 T6 T7 T1 L1 T10 T4 T8 T2 L2 T11 T5 T9 T3 L3													
DE BRG		6324		ODE BRG		6319		CONN.		12 Lead Δ															
MAX AMB.		40° C		INS. CLASS		F		RATING		CONT						WEIGHT		6191							
LUBRICATION				Mobil Polyrex EM				SER																	
HP		500		RPM		1189		HP		500						RPM		990							
VOLTS		460				VOLTS		380				50 HERTZ DATA													
F.L. AMPS		563.1				F.L. AMPS		681.6																	
S.F. AMPS		647.6				S.F. AMPS		681.6																	
S.F.		1.15		DESIGN		C		CODE		G				S.F.		1.0		DESIGN		C		CODE		H	
NEMA NOM.EFF.		95.8		%		NOM. P.F.		0.857		NEMA NOM.EFF.				95.0		%		NOM. P.F.		0.857					
NEMA MIN.EFF.		95.0		%		MAX. KVAR		81.3		NEMA MIN.EFF.				94.3		%		MAX. KVAR		84.5					
Designed specifically for use on crushing and pulverizing equipment and other equipment requiring extremely high starting torques and breakdown torques. ISO9001 CERTIFIED CE  US CC041B Hernando, MS 38632 C 232051																									

APPLICATIONS:

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