



PE587UZ-500-6C

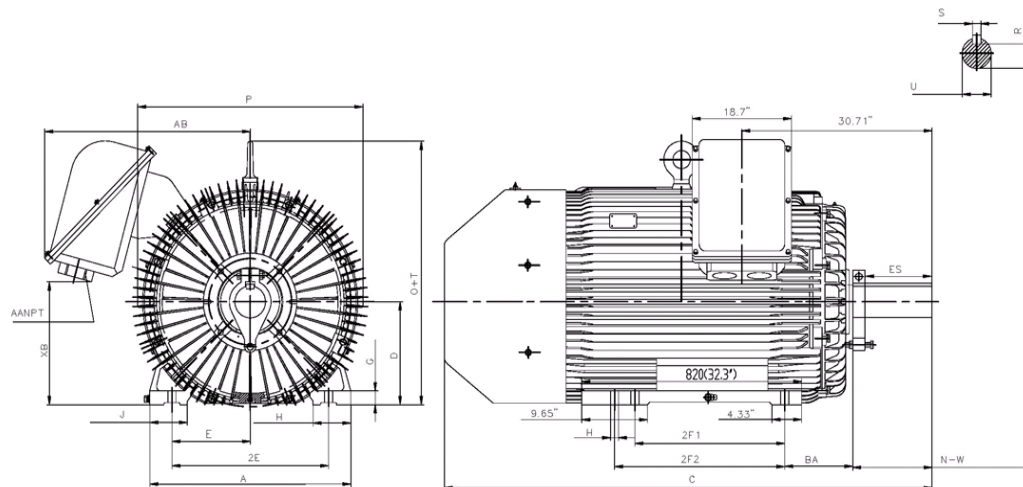
CRUSHER DUTY MOTOR

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	NU324	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 %	NU324	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				CONNECTION DIAGRAMS																	
				CRUSHER DUTY MOTOR																					
CAT NO:		PE587UZ-500-6C		FRAME		587UZ		PHASE		3															
DE BRG		NU324		ODE BRG		6319		CONN.		12 Lead Δ															
MAX AMB.		40° C		INS. CLASS		F		RATING		CONT WEIGHT 6191															
LUBRICATION				Mobil Polyrex EM				SER																	
60 HERTZ DATA	HP		500		RPM		1189		HP		500		RPM		990		50 HERTZ DATA								
	VOLTS				460				VOLTS				380												
	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.  Hernando, MS 38632 232051																									

460V

T12

T6

T7

T1

L1

T10

T4

T8

T2

L2

T11

T5

T9

T3

L3

APPLICATIONS:

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