



PE587UZ-600-4C-BB

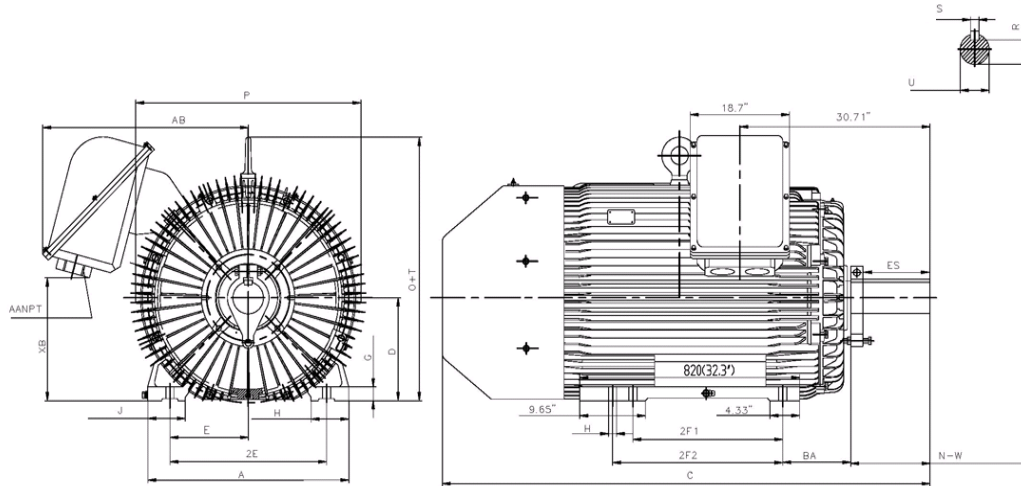
CRUSHER DUTY MOTOR

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
600	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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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
600	1790	587UZ	460	60	1.15	F	C	0.6	E	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	5947
669.6	3625	96.2	95.8	95.4	95.4	0.864	0.843	0.796	1762	200	250				

NAME PLATE

				HIGH EFFICIENCY DESIGN				CONNECTION DIAGRAMS													
				CRUSHER DUTY MOTOR																	
CAT NO:		PE587UZ-600-4C-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 5947											
LUBRICATION				Mobil Polyrex EM				SER													
60 HERTZ DATA	HP		600		RPM		1790		HP		600		RPM		1491		50 HERTZ DATA				
	VOLTS				460				VOLTS				380								
	F.L. AMPS				669.6				F.L. AMPS				810.6								
	S.F. AMPS				770.0				S.F. AMPS				810.6								
	S.F.		1.15		DESIGN		C CODE E		S.F.		1.0		DESIGN		C CODE F						
	NEMA NOM.EFF.		96.2		%		NOM. P.F.		0.864		NEMA NOM.EFF.		95.1		%			NOM. P.F.		0.864	
	NEMA MIN.EFF.		95.4		%		MAX. KVAR		148.0		NEMA MIN.EFF.		94.4		%			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  C US CC041B Hernando, MS 38632 232051																					

460V		
T12	T10	T11
T6	T4	T5
T7	T8	T9
T1	T2	T3
L1	L2	L3

APPLICATIONS:

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