

PE587UZ-500-6C

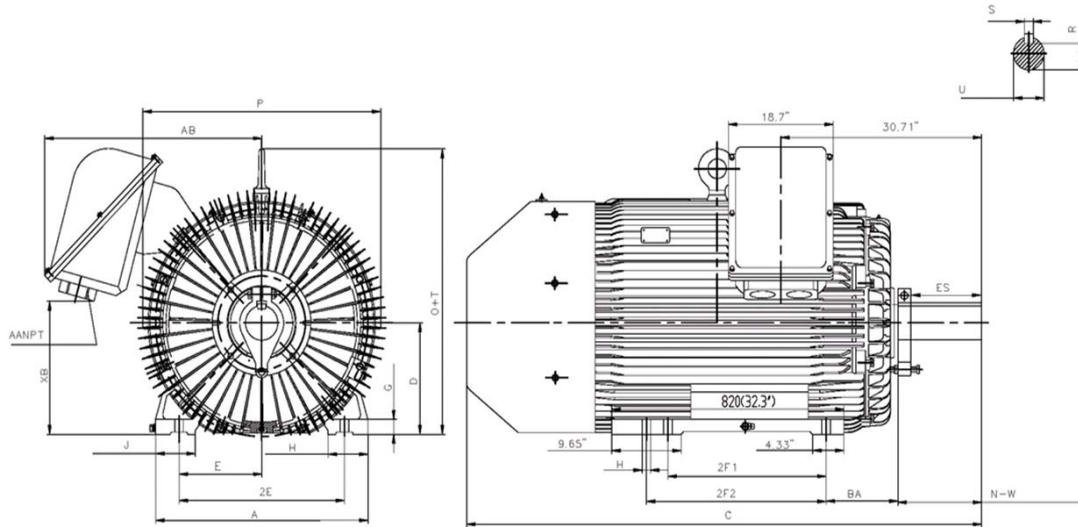
CRUSHER DUTY MOTOR

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	1.13	5.51	11.50	23.00	22.00	25.00	41.36	33.07	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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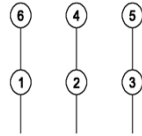
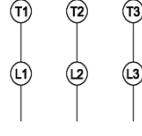


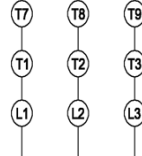
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PERFORMANCE DATA

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	3014	200	275				

NAME PLATE

 										CONNECTION DIAGRAMS Across The Line 					
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								
	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.										PWS Start 					
ISO9001 CERTIFIED   CC041B Hernando, MS 38632										PWS Run 					

APPLICATIONS:

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