



PE587UZ-400-4C-BB

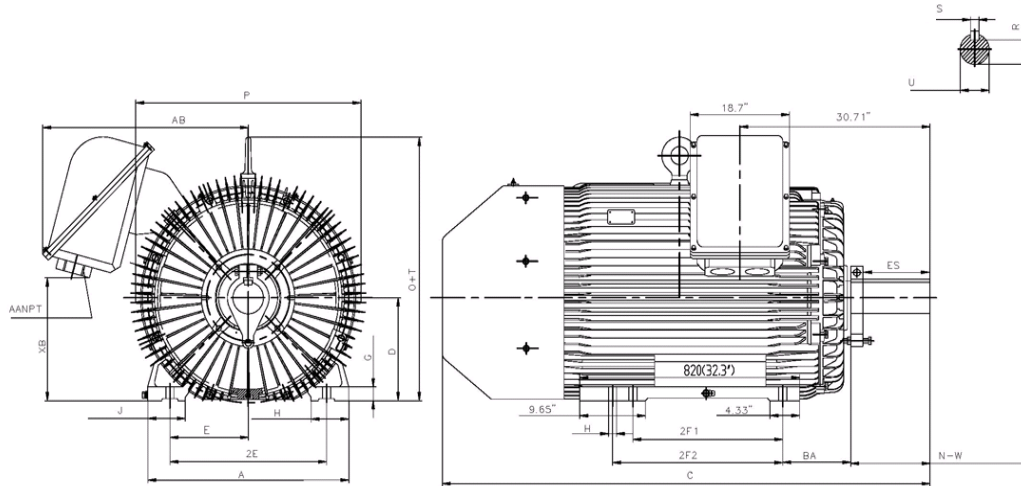
CRUSHER DUTY MOTOR

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
400	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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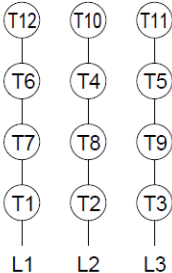
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
400	1789	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	4983
434.9	2900	96.2	95.9	95.3	95.4	0.887	0.862	0.842	1176	200	250				

NAME PLATE

		HIGH EFFICIENCY DESIGN				CONNECTION DIAGRAMS			
CRUSHER DUTY MOTOR									
CAT NO: PE587UZ-400-4C-BB		FRAME 587UZ		PHASE 3		460V 			
DE BRG 6324		ODE BRG 6319		CONN. 12 Lead Δ					
MAX AMB. 40° C		INS. CLASS F		RATING CONT WEIGHT 4983					
LUBRICATION Mobil Polyrex EM				SER					
60 HERTZ DATA	HP 400		RPM 1789		HP 400		RPM 990		50 HERTZ DATA
	VOLTS 460			VOLTS 380					
	F.L. AMPS 434.9			F.L. AMPS 526.5					
	S.F. AMPS 500.1			S.F. AMPS 526.5					
	S.F. 1.15 DESIGN C CODE G			S.F. 1.0 DESIGN C CODE H					
	NEMA NOM.EFF. 96.2 % NOM. P.F. 0.887			NEMA NOM.EFF. 95.1 % NOM. P.F. 0.887					
	NEMA MIN.EFF. 95.4 % MAX. KVAR 45.3			NEMA MIN.EFF. 94.4 % MAX. KVAR 48.2					
Designed specifically for use on crushing and pulverizing equipment and other equipment requiring extremely high starting torques and breakdown torques.									
Hernando, MS 38632									
ISO9001 CERTIFIED CE  CC041B C US 232051									

APPLICATIONS:

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