



PE587UZ-400-6C

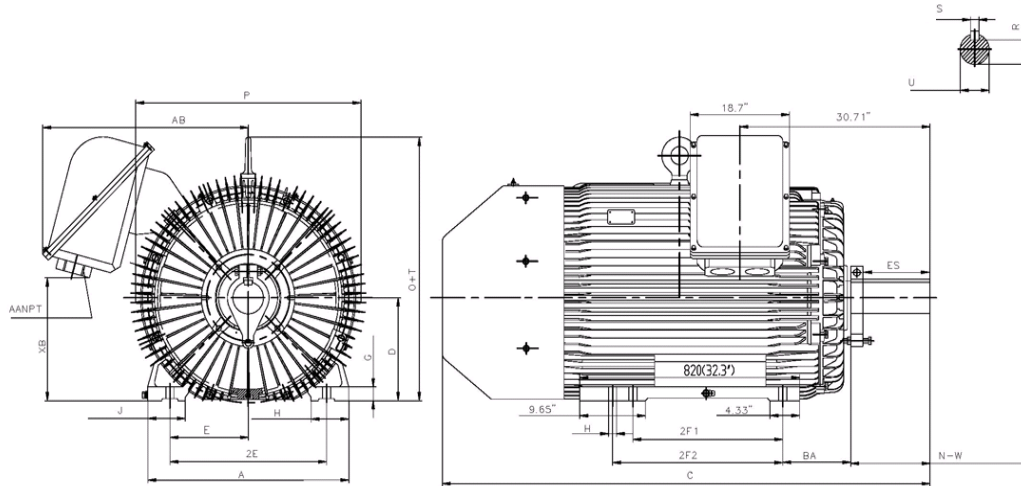
CRUSHER DUTY MOTOR

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
400	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
400	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	5940
448.6	2900	95.8	95.5	95.0	95.0	0.859	0.833	0.767	1769	200	230				

NAME PLATE

				HIGH EFFICIENCY DESIGN				CONNECTION DIAGRAMS			
				CRUSHER DUTY MOTOR							
CAT NO:		PE587UZ-400-6C		FRAME		587UZ		PHASE		3	
DE BRG		NU324		ODE BRG		6319		CONN.		12 Lead Δ	
MAX AMB.		40° C		INS. CLASS		F		RATING		CONT WEIGHT 5940	
LUBRICATION				Mobil Polyrex EM				SER			
60 HERTZ DATA		HP 400		RPM 1189		HP 400		RPM 990		50 HERTZ DATA	
		VOLTS 460		VOLTS 380							
		F.L. AMPS 448.6		F.L. AMPS 543.0							
		S.F. AMPS 515.9		S.F. AMPS 543.0							
		S.F. 1.15 DESIGN C CODE G		S.F. 1.0 DESIGN C CODE H							
		NEMA NOM.EFF. 95.8 % NOM. P.F. 0.859		NEMA NOM.EFF. 95.0 % NOM. P.F. 0.859							
		NEMA MIN.EFF. 95.0 % MAX. KVAR 64.7		NEMA MIN.EFF. 94.3 % MAX. KVAR 66.2							
<div>Designed specifically for use on crushing and pulverizing equipment and other equipment requiring extremely high starting torques and breakdown torques.</div> <div><div>ISO9001 CERTIFIED</div><div>CE</div><div> C US</div><div>CC041B</div></div> <div><div>Hernando, MS 38632</div><div>232051</div></div>											

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.