



PE587UZ-300-4C

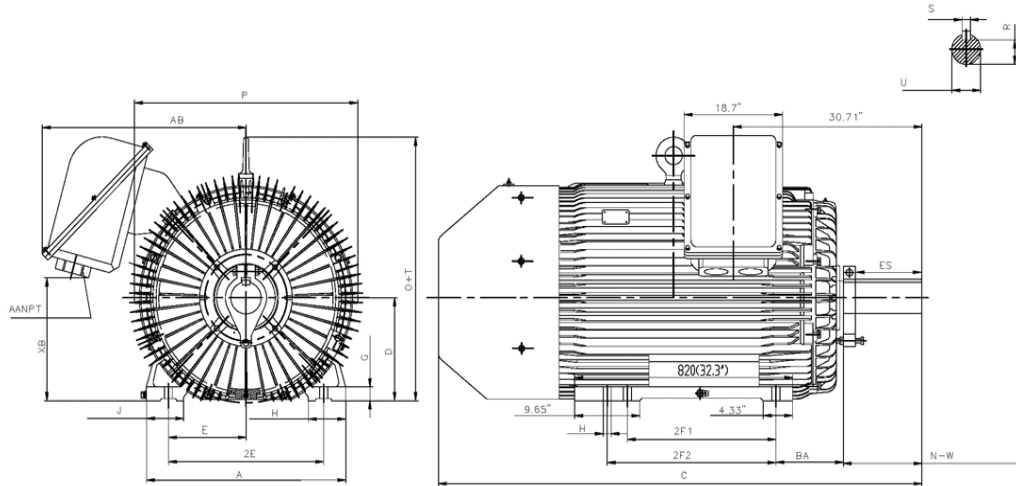
CRUSHER DUTY MOTOR

HIGH TORQUE / HIGH 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
300	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	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
300	1788	587UZ	460	60	1.15	F	C	0.7	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	4616
322.3	2200	95.4	95.0	94.6	94.5	0.885	0.844	0.813	882	200	250				

NAME PLATE



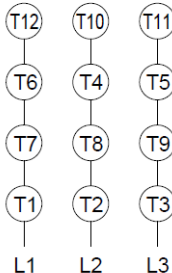
HIGH EFFICIENCY DESIGN

CRUSHER DUTY MOTOR

CONNECTION DIAGRAMS

CAT NO:	PE587UZ-300-4C	FRAME	587UZ	PHASE	3							
DE BRG	NU324	ODE BRG	6319	CONN.	12 Lead Δ							
MAX AMB.	40° C	INS. CLASS	F	RATING	CONT	WEIGHT	4616					
LUBRICATION	Mobil Polyrex EM			SER								
60 HERTZ DATA	HP	300	RPM	1788	HP	300	RPM	1490				
	VOLTS			460	VOLTS			380				
	F.L. AMPS			322.3	F.L. AMPS			390.2				
	S.F. AMPS			370.6	S.F. AMPS			390.2				
	S.F.	1.15	DESIGN	C	CODE	G	S.F.	1.0	DESIGN	C	CODE	H
	NEMA NOM.EFF.	95.4	%	NOM. P.F.	0.885	NEMA NOM.EFF.	95.1	%	NOM. P.F.	0.885		
	NEMA MIN.EFF.	94.5	%	MAX. KVAR	38.6	NEMA MIN.EFF.	94.4	%	MAX. KVAR	41.2		
50 HERTZ DATA												

460V



Designed specifically for use on crushing and pulverizing equipment and other equipment requiring extremely high starting torques and breakdown torques.







CC041B

Hernando, MS 38632

C 232051

APPLICATIONS:

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