



PE587UZ-400-4C

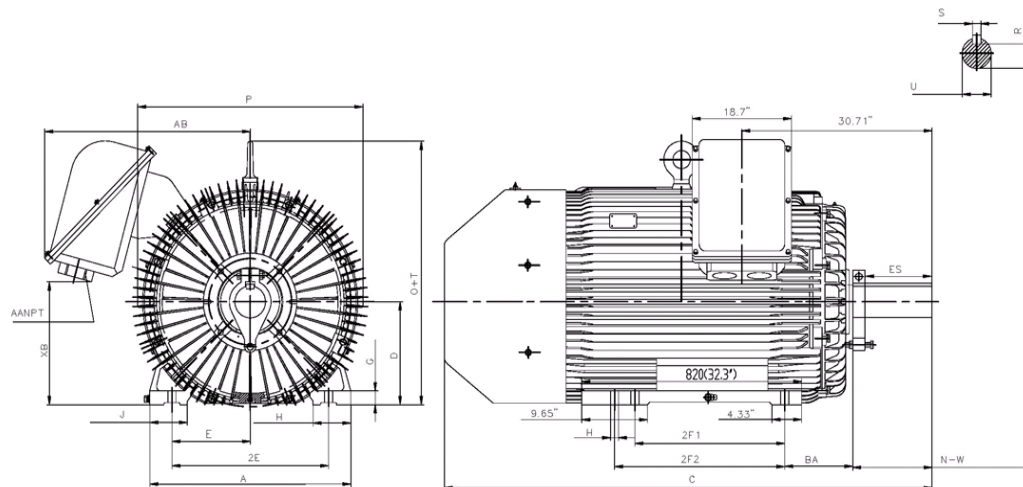
CRUSHER DUTY MOTOR

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	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	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 %	NU324	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																													
North American Electric										CRUSHER DUTY MOTOR																																							
CAT NO:					PE587UZ-400-4C					FRAME					587UZ					PHASE					3																								
DE BRG					NU324					ODE BRG					6319					CONN.					12 Lead Δ																								
MAX AMB.					40° C					INS. CLASS					F					RATING					CONT					WEIGHT					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.																																																	
ISO9001 CERTIFIED CE  C US CC041B																																																	
Hernando, MS 38632																																																	

460V

T12

T6

T7

T1

L1

T10

T4

T8

T2

L2

T11

T5

T9

T3

L3

APPLICATIONS:

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