



PE587UZ-450-6C-BB

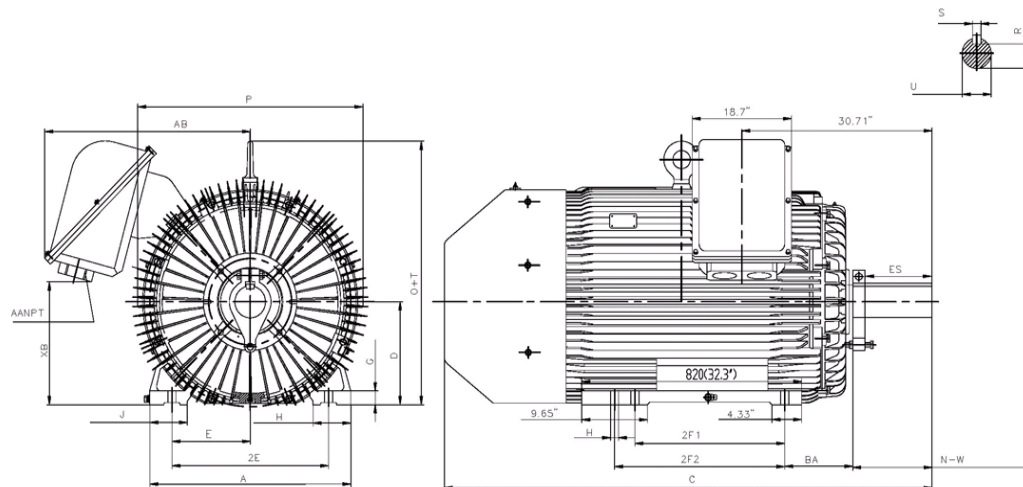
CRUSHER DUTY MOTOR

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
450	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	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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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
450	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 %	6324	6319	12 Lead Δ	6041
504.7	3250	96.2	95.8	95.4	95.4	0.858	0.827	0.763	1990	200	275				

NAME PLATE

										HIGH EFFICIENCY DESIGN										CONNECTION DIAGRAMS																			
North American Electric										CRUSHER DUTY MOTOR																													
CAT NO: PE587UZ-450-6C-BB										FRAME 587UZ										PHASE 3																			
DE BRG 6324										ODE BRG 6319										CONN. 12 Lead Δ																			
MAX AMB. 40° C										INS. CLASS F										RATING CONT WEIGHT 6041																			
LUBRICATION Mobil Polyrex EM										SER																													
60 HERTZ DATA										HP 450 RPM 1189										HP 450 RPM 990										50 HERTZ DATA									
										VOLTS 460										VOLTS 380																			
										F.L. AMPS 504.7										F.L. AMPS 611.0																			
										S.F. AMPS 580.4										S.F. AMPS 611.0																			
										S.F. 1.15 DESIGN C CODE G										S.F. 1.0 DESIGN C CODE H																			
										NEMA NOM.EFF. 96.2 % NOM. P.F. 0.858										NEMA NOM.EFF. 95.0 % NOM. P.F. 0.858																			
										NEMA MIN.EFF. 95.4 % MAX. KVAR 74.5										NEMA MIN.EFF. 94.3 % MAX. KVAR 78.5																			
Designed specifically for use on crushing and pulverizing equipment and other equipment requiring extremely high starting torques and breakdown torques.  Hernando, MS 38632																																							
C 232051																																							

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.