



PE587UZ-450-6C

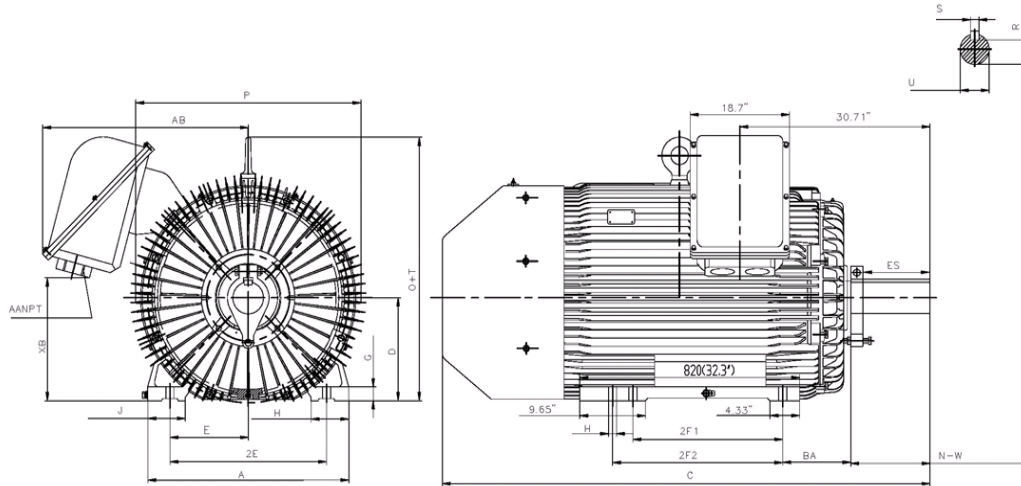
CRUSHER DUTY MOTOR

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
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	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
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 %	NU324	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				CRUSHER DUTY MOTOR				CONNECTION DIAGRAMS													
CAT NO:		PE587UZ-450-6C		FRAME		587UZ		PHASE		3		460V T12 T6 T7 T1 L1 T10 T4 T8 T2 L2 T11 T5 T9 T3 L3											
DE BRG		NU324		ODE BRG		6319		CONN.		12 Lead Δ													
MAX AMB.		40° C		INS. CLASS		F		RATING		CONT						WEIGHT		6041					
LUBRICATION				Mobil Polyrex EM				SER															
HP		450		RPM		1189		HP		450						RPM		990					
VOLTS		460				VOLTS		380				50 HERTZ DATA											
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.										ISO9001 CERTIFIED CE SP US 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.