

PE587U-400-4C

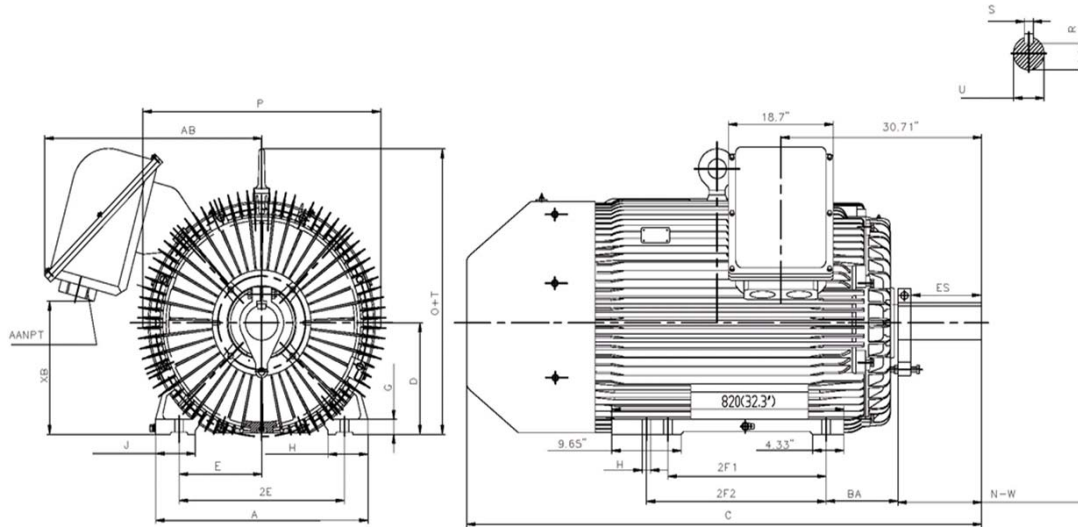
CRUSHER DUTY MOTOR

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								2E	2F1	2F2	O	P	T	BA
			A	B	C	D	G	H	J	E							
400	1800	587U	29.53	32.38	71.65	14.50	1.97	1.13	5.51	11.50	23.00	22.00	25.00	41.36	33.07	5.88	10.00

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.875	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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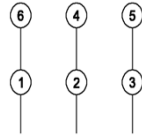
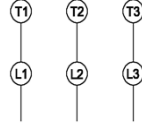



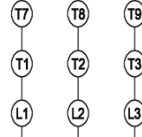
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PERFORMANCE DATA

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	587U	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 %				
434.9	2900	96.2	95.9	95.3	95.4	0.887	0.862	0.842	1603	200	250	NU324	6319	12 Lead Δ	4983

NAME PLATE

 										CONNECTION DIAGRAMS Across The Line 		
CAT NO: PE587U-400-4C			FRAME 587U			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 1490					
	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.										PWS Start 		
   CC041B												
Hernando, MS 38632										PWS Run 		

APPLICATIONS:

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