



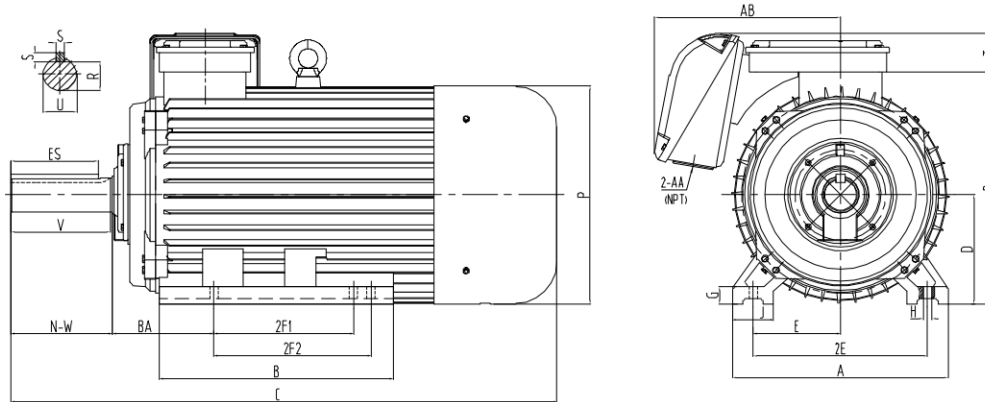
PE505UZ-250-6C

CRUSHER DUTY ELECTRIC MOTOR

TOTALLY ENCLOSED FAN COOLED

INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31

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
250	1200	505UZ	24.8	26.8	62.6	12.5	1.9	0.94	4.8	10	20	16	18	26.6	24.3	4.5	8.5

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.875	10.875	3.309	1	10	11.625	3	21.3	NU322	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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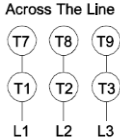
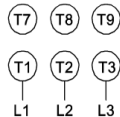
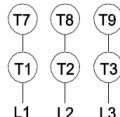
Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G

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
250	1190	505UZ	460	60	1.15	F	C	0.8	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%	100%	75%	50%	FLT	LRT %	BDT %				
280	1825	95.8	95.4	95.0	0.87	0.85	0.78	1105	200	260	NU322	6319	6 Lead Δ	2800

NAME PLATE

 AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT										CONNECTION DIAGRAMS					
CAT NO.		PE505UZ-250-6C				FRAME		505UZ		PHASE		3			
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55				
HP	250	RPM	1190	HP	250	RPM	990	DUTY	CONT	DES	C				
VOLTS		460		VOLTS		380		AMB	40 °C		INS	F			
AMPS		280		AMPS		335		DE BRG	NU322						
CODE	G	P.F.	0.87	CODE	F	P.F.	0.89	ODE BRG	6319						
EFF	95.8	MIN	95.0	EFF	95.0	MIN	94.1	LUB:	Mobil Polyrex EM						
MOTOR WEIGHT	2800 LBS		CONNECTION			6 Lead Δ		SER NO							
Special purpose use on crushing and pulverizing equipment. Hernando, Mississippi										  					
													Across The Line 		
													PWS Start 		
													PWS Run 		

APPLICATIONS:

Special purpose use on crushing and pulverizing equipment. Other industrial machinery requiring extremely high starting torques and breakdown torques. Suitable for use with variable frequency drives.