



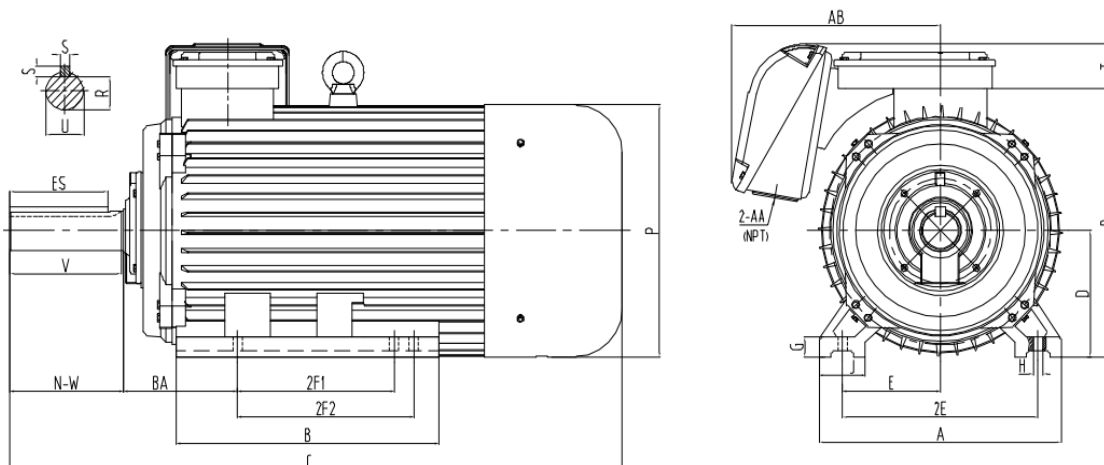
PE505UZ-250-4C

GENERAL PURPOSE 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	1800	505UZ	24.80	26.80	62.60	12.50	1.90	0.94	4.80	10.00	20.00	16.00	18.00	26.60	24.30	4.50	8.50

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.875	10.88	3.309	1.000	10.00	11.63	3.00	21.30	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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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	1790	505UZ	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 %	NU322	6319	6 Lead Δ	2300
275.0	1825	96.2	95.8	95.4	95.4	0.870	0.850	0.750	732.0	200	280				

NAME PLATE

 AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT										CONNECTION DIAGRAMS (460V)			
										Across The Line			
													
													
										L1	L2	L3	
CAT NO: PE505UZ-250-4C										FRAME 505UZ		PHASE 3	
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55			
HP 250		RPM 1790		HP 250		RPM 1490		DUTY CONT		DES C			
VOLTS 460			VOLTS 380			AMB 40° C			INS F				
FLA 275.0			FLA 335			DE BEARING NU322							
CODE G		P.F. 0.87		CODE F		P.F. 0.89		ODE BEARING 6319					
EFF 96.2		MIN 95.4		EFF 95.4		MIN 94.5		LUB: Mobil Polyrex EM					
MOTOR WEIGHT 2300.0 LBS			CONNECTION 6 Lead Δ				SER NO						
General purpose use on industrial machinery installed in damp, dusty or dirty environments.													
Hernando, Mississippi													
										PWS Start			
													
													
										L1	L2	L3	
										PWS Run			
													
													
										L1	L2	L3	

APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments.