



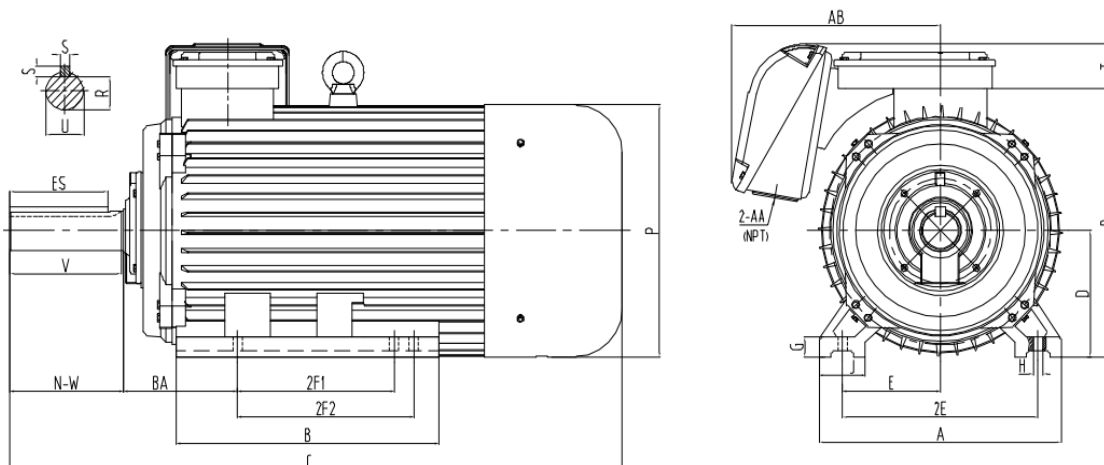
PE505UZ-300-6C

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
300	1200	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
300	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%	Min.	100%	75%	50%	FLT	LRT %	BDT %				
338.0	2200	95.8	95.4	95.0	95.0	0.870	0.850	0.785	1326.0	200	260	NU322	6319	6 Lead Δ	3160

NAME PLATE

 AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT										CONNECTION DIAGRAMS (460V)		
										Across The Line T7 T1 L1 T8 T2 L2 T9 T3 L3		
CAT NO: PE505UZ-300-6C			FRAME 505UZ			PHASE 3						
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55		
HP 300		RPM 1190		HP 300		RPM 990		DUTY CONT		DES C		
VOLTS 460			VOLTS 380			AMB 40° C		INS F				
FLA 338.0			FLA 400			DE BEARING NU322						
CODE G		P.F. 0.87		CODE F		P.F. 0.89		ODE BEARING 6319				
EFF 95.8		MIN 95.0		EFF 95		MIN 94.1		LUB: Mobil Polyrex EM				
MOTOR WEIGHT 3160.0 LBS			CONNECTION 6 Lead Δ				SER NO					
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi ISO9001 CERTIFIED CE 												
PWS Start T7 T1 L1 T8 T2 L2 T9 T3 L3												
PWS Run T7 T1 L1 T8 T2 L2 T9 T3 L3												

APPLICATIONS:

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