

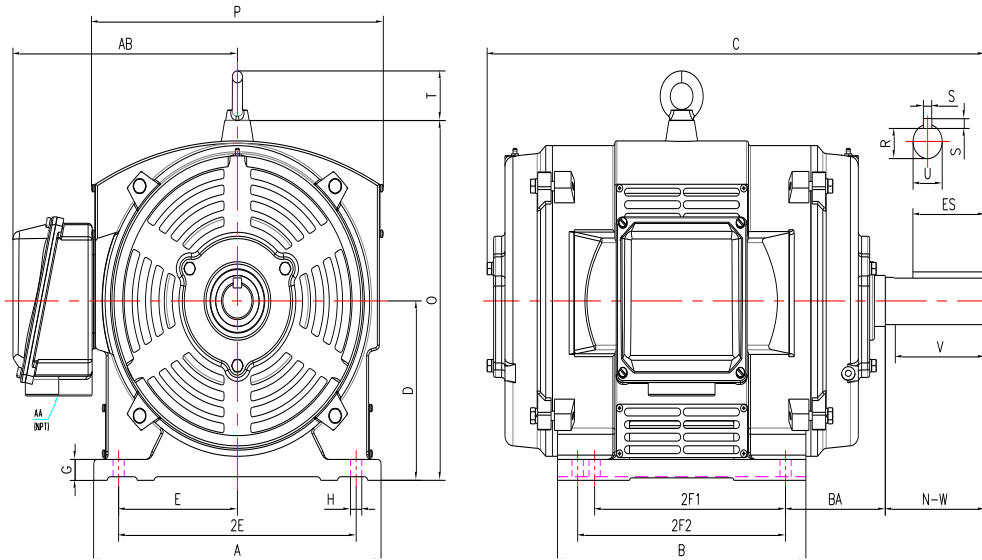
PE404TS-100-4-ODP

GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

CAST IRON CONSTRUCTION - OPEN DRIP PROOF

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



DIMENSIONS

HP	RPM	Frame	MOUNTING														
			A	B	C	D	G	H	J	E	2E	2F1	2F2	O	P	T	BA
100	1800	404TS	19.10	17.00	30.30	10.00	1.15	0.81	NA	8.00	16.00	12.25	13.75	21.00	20.25	2.60	6.62

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.13	4.00	1.85	0.50	2.78	4.25	3.00	14.50	6318	6314	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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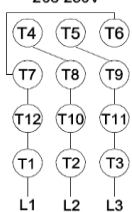
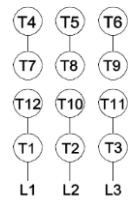



INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31

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
100	1785	404TS	208-230/460	60	1.15	F	B	0.83	G	ODP	23	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 %	6318	6314	12 Lead 2Δ/Δ	1115
112.0	725.0	95.4	95.0	94.6	94.5	0.87	0.84	0.77	296.0	150	240				

NAME PLATE

 North American Electric, Inc.													CONNECTION DIAGRAMS 208-230V 										
INVERTER DUTY 20:1 VT; 10:1 CT																							
CAT NO:		PE404TS-100-4-ODP				FRAME		404TS		PHASE		3		460V 									
HZ		60		S.F.		1.15		HZ		50		S.F.					1.0						
HP		100		RPM		1785		HP		100		RPM		1485		DUTY		CONT		DES		B	
VOLTS				208-230/460				VOLTS				190/380				AMB		40° C		INS		F	
FLA		246 - 224 / 112				FLA				274/137				DE BEARING				6318					
CODE		G		P.F.		0.87		CODE		D		P.F.		0.88		ODE BEARING				6314			
EFF		95.4		MIN		94.5		EFF		94.1		MIN		93.2		LUB: Mobil Polyrex EM							
MOTOR WEIGHT				1115		LBS		CONNECTION				12 Lead 2Δ/Δ				SER NO							
General purpose use on industrial machinery installed in environments with minimal dirt and moisture. Hernando, Mississippi																CC 082A							

APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in environments with minimal dirt and moisture.