

PE444TC-100-6C

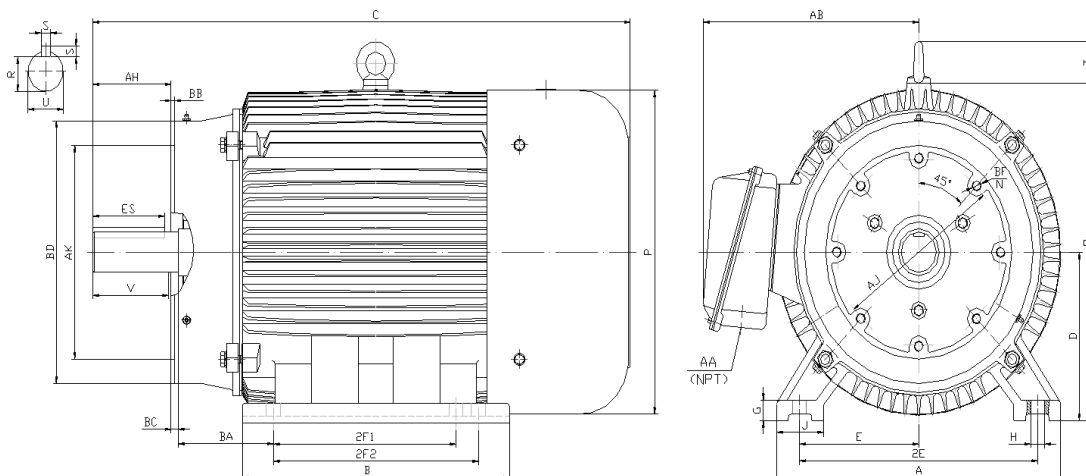
GENERAL PURPOSE ELECTRIC MOTOR

HIGH EFFICIENCY / EISA COMPLIANT

THREE PHASE, TOTALLY ENCLOSED FAN COOLED - C-FLANGE W/ FEET

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
100	1200	444TC	21.70	22.90	44.30	11.00	1.35	0.81	3.35	9.00	18.00	14.50	16.50	23.00	23.40	3.00	16.00

FLANGE							Shaft Extension, Key Set						Conduit Box		Bearings		Mount
AH	AJ	AK	BB	BC	BD	BF	U	V	R	S	ES	N-W	AA	AB	DE	ODE	
8.25	14.00	16.00	0.25	0.25	18.00	8*5/8-11	3.375	8.25	2.880	0.875	6.91	8.50	3.00	19.90	6319	6318	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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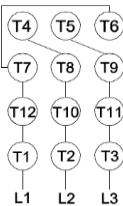
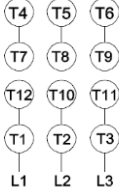
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
100	1180	444TC	208-230/460	60	1.15	F	C	1.7	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 %				
118	725	94.1	93.0	94.0	93.4	0.840	0.800	0.710	445.2	200	250	6319	6318	12 Lead 2Δ/Δ	1315

NAME PLATE

 North American Electric, Inc. HIGH EFFICIENCY EISA COMPLIANT										CONNECTION DIAGRAMS
INVERTER DUTY 20:1 VT; 10:1 CT										208-230V
CAT NO: PE444TC-100-6C				FRAME 444TC				PHASE 3		
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC IP 55		
HP 100		RPM 1180		HP 100		RPM 980		DUTY CONT DES C		
VOLTS 208-230/460		VOLTS 190/380				AMB 40° C		INS F		
FLA 261 - 236 / 118		FLA 284/142				DE BEARING 6319				
CODE G		P.F. 0.84		CODE E		P.F. 0.86		ODE BEARING 6318		
EFF 94.1		MIN 93.4		EFF 92.5		MIN 91		LUB: Mobil Polyrex EM		
MOTOR WEIGHT 1315 LBS		CONNECTION 12 Lead 2Δ/Δ				SER NO				
General purpose use on industrial machinery installed in damp, dusty or dirty environments.										
Hernando, Mississippi										
 CC 082A										

APPLICATIONS:

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