

PE256T-20-2

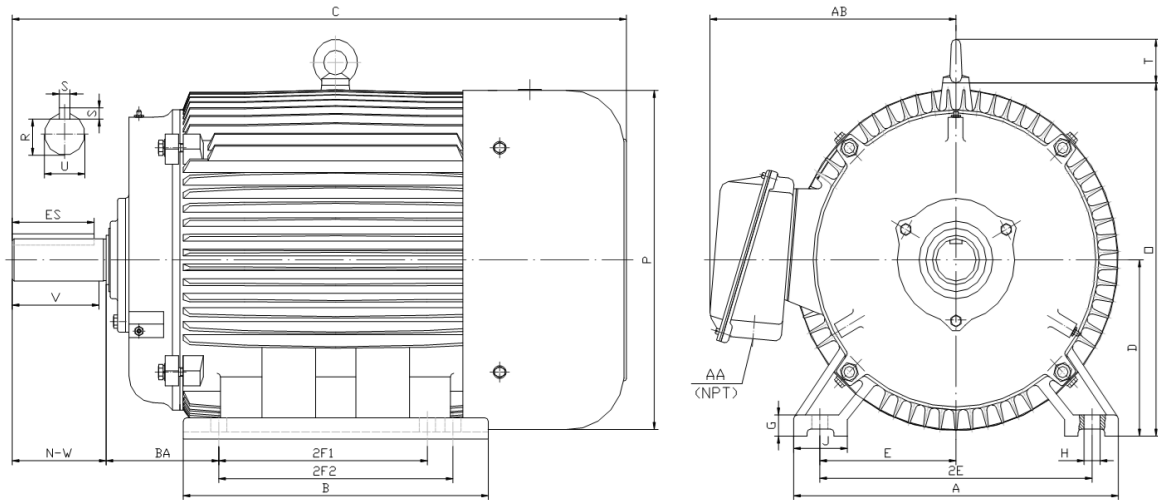
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

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
20	3600	256T	13.00	12.20	25.00	6.25	0.70	0.53	2.75	5.00	10.00	8.25	10.00	13.00	12.40	2.20	4.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.625	3.75	1.416	0.375	2.91	4.00	1.25	10.10	6309	6309	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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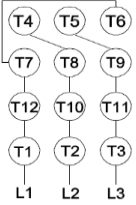
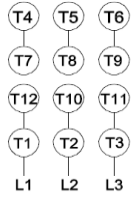




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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
20	3540	256T	208-230/460	60	1.15	F	B	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 %	6309	6309	12 Lead 2Δ/Δ	280
23.0	145	91.0	91.0	90.0	89.5	0.870	0.850	0.790	29.8	150	250				

NAME PLATE

 North American Electric, Inc.													CONNECTION DIAGRAMS 208-230V 		
INVERTER DUTY 20:1 VT; 10:1 CT															
CAT NO: PE256T-20-2			FRAME 256T			PHASE 3									
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55										
HP 20	RPM 3540	HP 20	RPM 2920	DUTY CONT	DES B										
VOLTS 208-230/460		VOLTS 190/380		AMB 40° C	INS F										
FLA 48.5 - 46 / 23	FLA 57/28.5		DE BEARING 6309												
CODE G	P.F. 0.87	CODE E	P.F. 0.89	ODE BEARING 6309											
EFF 91.0	MIN 89.5	EFF 89	MIN 87.5	LUB: Mobil Polyrex EM											
MOTOR WEIGHT 280 LBS	CONNECTION 12 Lead 2Δ/Δ		SER NO												
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi															
   															

APPLICATIONS:

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