

PE256TC-25-2

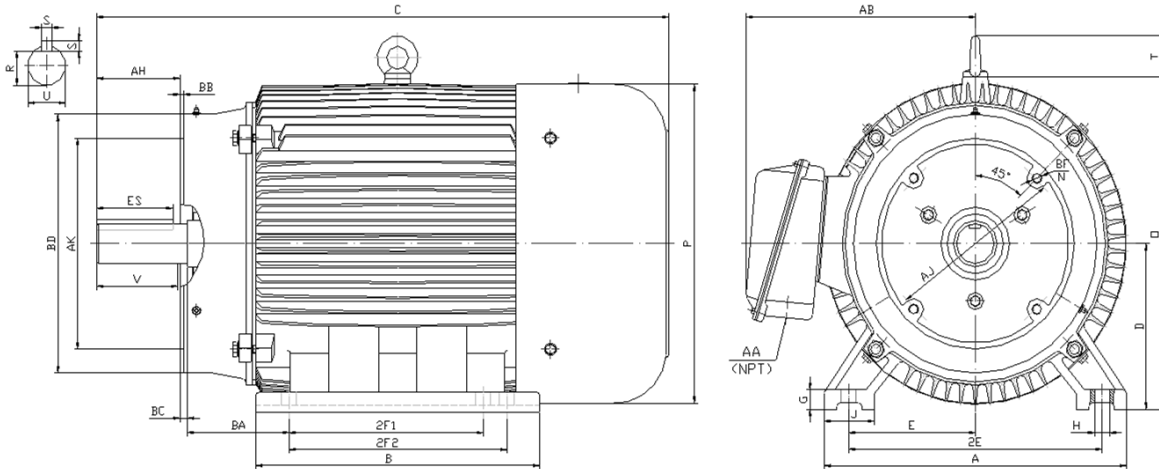
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

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
25	3600	256TC	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

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	
3.75	7.25	8.50	0.25	0.25	10.00	4*1/2-13	1.63	3.75	1.42	0.38	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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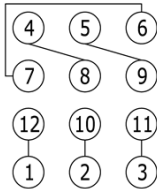
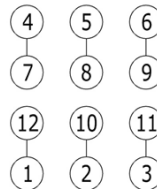
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
25	3535	256TC	208-230/460	60	1.15	F	B	1.8	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 %				
25.0	182.0		91.7	91.7	91.0	90.2	0.900	0.880	0.820	37.2	160	260	6309	6309	12 Lead 2Δ/Δ	295

NAME PLATE

North American Electric, Inc.												CONNECTION DIAGRAMS					
INVERTER DUTY 20:1 VT; 10:1 CT																	
CAT NO: PE256TC-25-2				FRAME 256TC				PHASE 3				208-230V					
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55							
HP 25		RPM 3535		HP 25		RPM 2915		DUTY CONT		DES B							
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F							
FLA 55.3 - 50 / 25				FLA 69/34.5				DE BEARING		6309							
CODE G		P.F. 0.90		CODE F		P.F. 0.91		ODE BEARING		6309							
EFF 91.7		MIN 90.2		EFF 90.2		MIN 88.5		LUB:		Mobil Polyrex EM							
MOTOR WEIGHT 295 LBS				CONNECTION 12 Lead 2Δ/Δ				SER NO									
General purpose use on industrial machinery installed in damp, dusty or dirty environments.										ISO9001 CERTIFIED		CE		SP US		CC 082A	
Hernando, Mississippi														460V			
																	

APPLICATIONS:

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