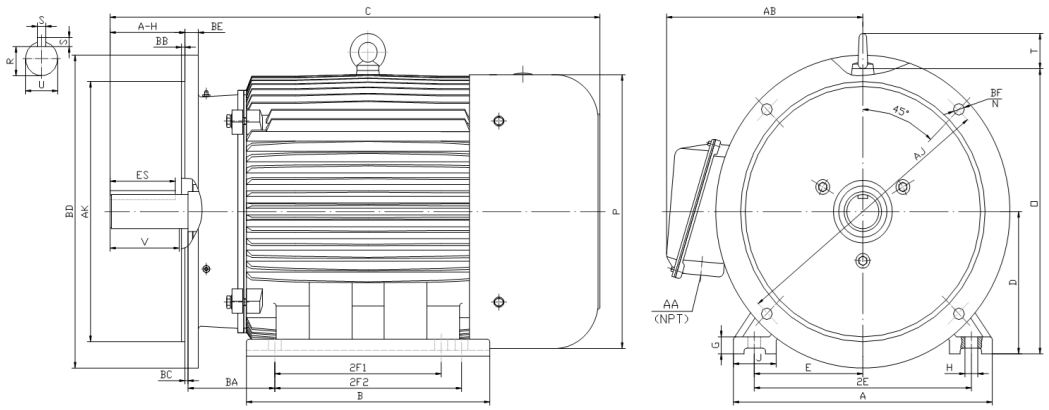
North American Electric

PE284TSD-25-2

GENERAL PURPOSE ELECTRIC MOTOR
NEMA PREMIUM EFFICIENCY
TOTALLY ENCLOSED FAN COOLED - D-FLANGE WITH 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	284TSD	14	11.7	25.2	7	0.85	0.53	2.75	5.5	11	9.5	NA	14.5	14	2.2	4.75

FLANGE								Shaft Extension, Key Set					
AH	AJ	AK	BB	BC	BD	BE	BF	U	V	R	S	ES	N-W
3.25	12.5	11	0.25	NA	14	0.75	4*0.81	1.625	3	1.416	0.375	1.91	NA

Conduit Box		Bearings		Mount
AA	AB	DE	ODE	
1.5	11.3	6311	6311	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

ISO9001 CERTIFIED CE NEMA Premium C SA US

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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	3540	284TSD	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%	100%	75%	50%	FLT	LRT %	BDT %				
28.5	182	91.7	91.2	90.0	0.90	0.87	0.81	37.2	150	240	6311	6311	12 Lead 2Δ/Δ	411

**Usable at 208 Volts*

NAME PLATE

North American Electric

AC INDUCTION MOTOR
INVERTER DUTY 20:1 VT; 10:1 CT

NEMA Premium

CAT NO. PE284TSD-25-2			FRAME 284TSD		PHASE 3
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55
HP 25	RPM 3540	HP 25	RPM 2930	DUTY CONT	DES B
VOLTS 230/460		VOLTS 190/380		AMB 40 °C	INS F
AMPS 57 / 28.5		AMPS 69/34.5		DE BRG 6311	
CODE G	P.F. 0.90	CODE F	P.F. 0.91	ODE BRG 6311	
EFF 91.7	MIN 90.2	EFF 90.0	MIN 88.5	LUB: Mobil Polyrex EM	
MOTOR WEIGHT 411 LBS		CONNECTION 12 Lead 2Δ/Δ		SER NO	

General purpose use on industrial machinery installed in damp, dusty or dirty environments.

Hernando, Mississippi

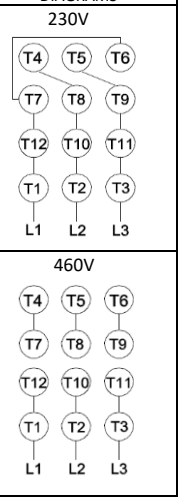
ISO9001 CERTIFIED

CE

C SP US 272709

CC082A

CONNECTION DIAGRAMS



APPLICATIONS:

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