

PEXP256T-20-4

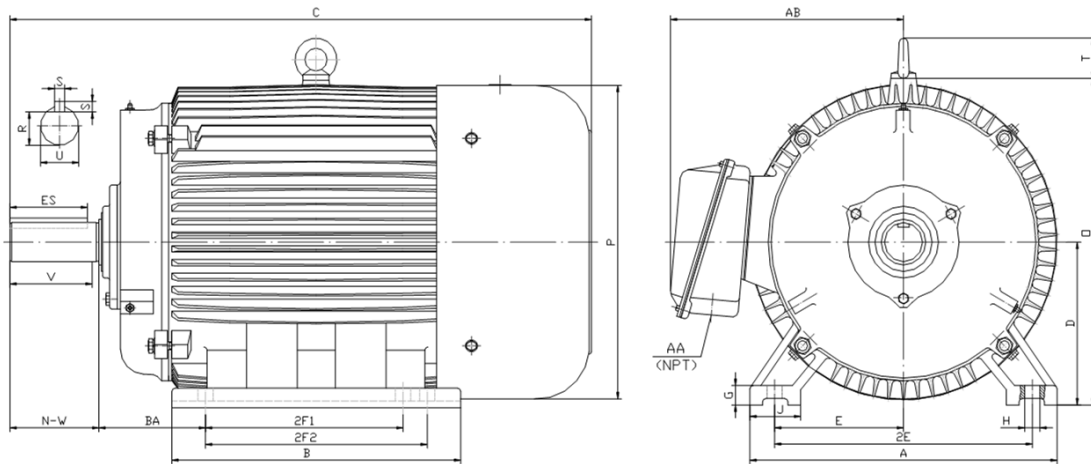
EXPLOSION PROOF ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED; EXPLOSION PROOF ENCLOSURE

CLASS I DIVISION I GROUP C & D; CLASS II DIVISION I GROUP F & G

OPERATING TEMP CODE T3C



DIMENSIONS

HP	RPM	Frame	MOUNTING														
			A	B	C	D	G	H	J	E	2E	2F1	2F2	O	P	T	BA
20	1800	256T	13.00	12.20	25.00	6.25	0.70	0.53	2.75	5.00	10.00	8.25	10.00	13.20	12.80	2.20	4.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.63	3.75	1.42	0.38	2.91	4.00	1.25	10.30	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



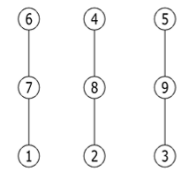





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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient	Oper Temp Code	Max. KVAR
20	1777	256T	208-230/460	60	1.15	F	B	1.3	G	TEXP	55	40° C	T3C	5.3

Amps (460V)		Max. Amps (208V)	Efficiency (%)				Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	60HZ	100%	75%	50%	Min.	100%	75%	50%	FLT	LRT %	BDT %				
23.0	145.0	50.9	93.0	92.0	90.0	91.7	0.87	0.86	0.79	59.5	150	200	6309	6309	9 Lead 2Δ/Δ	428

NAME PLATE

 North American Electric, Inc.															CONNECTION DIAGRAMS 208V-230V 		
PREMIUM EFFICIENT EXPLOSION PROOF MOTOR																	
CAT NO: PEXP256T-20-4			FRAME 256T			PHASE 3											
DE BRG 6309		ODE BRG 6309		CONN. 9 Lead 2Δ/Δ													
MAX AMB. 40° C		INS. CLASS F		RATING CONT		WEIGHT 428											
USABLE ON 208V 60HZ AT 50.9			MAX AMPS		SER												
DIVISION 1 CLASS I GROUP C D CLASS II GROUP F G						OPER TEMP CODE T3C											
60 HERTZ DATA	HP 20		RPM 1777		HP 20		RPM 1481		50 HERTZ DATA								
	VOLTS 208-230/460				VOLTS 190/380												
	F.L. AMPS 50.9 - 46 / 23				F.L. AMPS 55.7/27.9												
	S.F. AMPS 26.5				S.F. AMPS 55.7/27.9												
	S.F. 1.15 DESIGN B CODE G				S.F. 1.0 DESIGN B CODE H												
	NEMA NOM.EFF. 93.0 % P.F. 0.87				NEMA NOM.EFF. 92.1 % P.F. 0.87												
	NEMA MIN.EFF. 91.7 %				NEMA MIN.EFF. 90.5 %												
MAX. KVAR 5.3		LUB. Mobil Polyrex EM															
<small>General purpose use on industrial machinery installed in damp, dusty or dirty environments. These motors are designed for use in hazardous locations defined by class and group.</small>										   CC 041B							
Hernando, Mississippi																	


ELECTRIC MOTORS FOR HAZARDOUS LOCATIONS
CLASS I DIVISION I GROUP C D, CLASS II DIVISION I GROUP F G
NO. CCXXXXX E310089
APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments. These motors are designed to be used in hazardous locations as defined by class and group.