



PE449T-300-6C

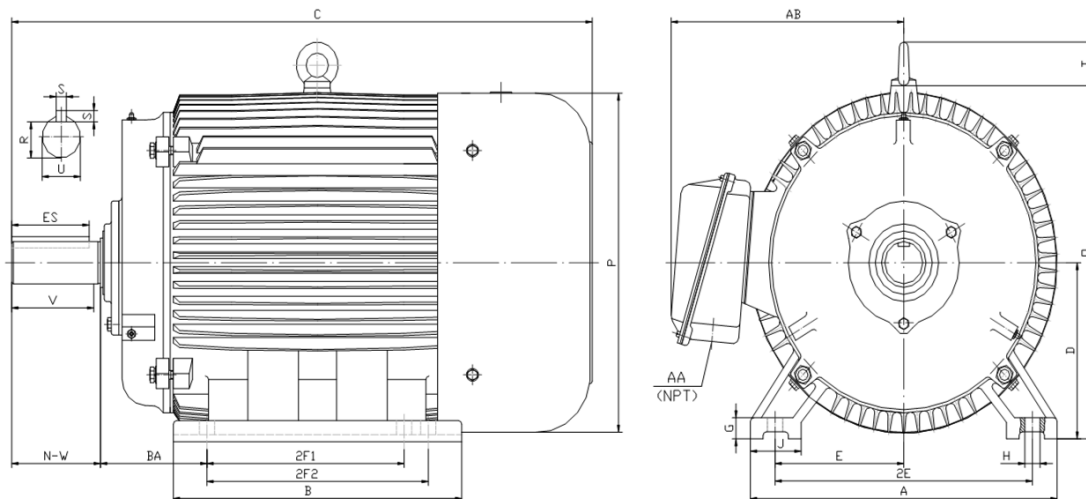
CRUSHER DUTY ELECTRIC MOTOR

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
300	1200	449T	21.70	31.40	52.80	11.00	1.35	0.81	3.35	9.00	18.00	20.00	25.00	23.00	23.40	3.00	7.50

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.375	8.25	2.880	0.875	6.91	8.50	3.00	19.90	NU319	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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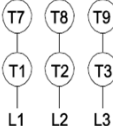
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
300	1190	449T	460	60	1.15	F	C	0.8	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 %	NU319	6318	6 Lead Δ	2532
357.0	2200	95.0	94.6	94.0	94.1	0.820	0.790	0.710	1332.0	140	220				

NAME PLATE

 North American Electric, Inc. 										CONNECTION DIAGRAMS (460V)	
INVERTER DUTY 20:1 VT; 10:1 CT										Across The Line 	
CAT NO: PE449T-300-6C				FRAME 449T				PHASE 3			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC IP 55			
HP 300		RPM 1190		HP 300		RPM 985		DUTY CONT DES C			
VOLTS 460				VOLTS 380				AMB 40° C INS F			
FLA 357.0				FLA 425				DE BEARING NU319			
CODE G		P.F. 0.82		CODE E		P.F. 0.85		ODE BEARING 6318			
EFF 95.0		MIN 94.1		EFF 93.4		MIN 92.4		LUB: Mobil Polyrex EM			
MOTOR WEIGHT 2532.0 LBS				CONNECTION 6 Lead Δ				SER NO			
General purpose use on industrial machinery installed in damp, dusty or dirty environments.    CC 082A 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.