

PE449T-300-4C

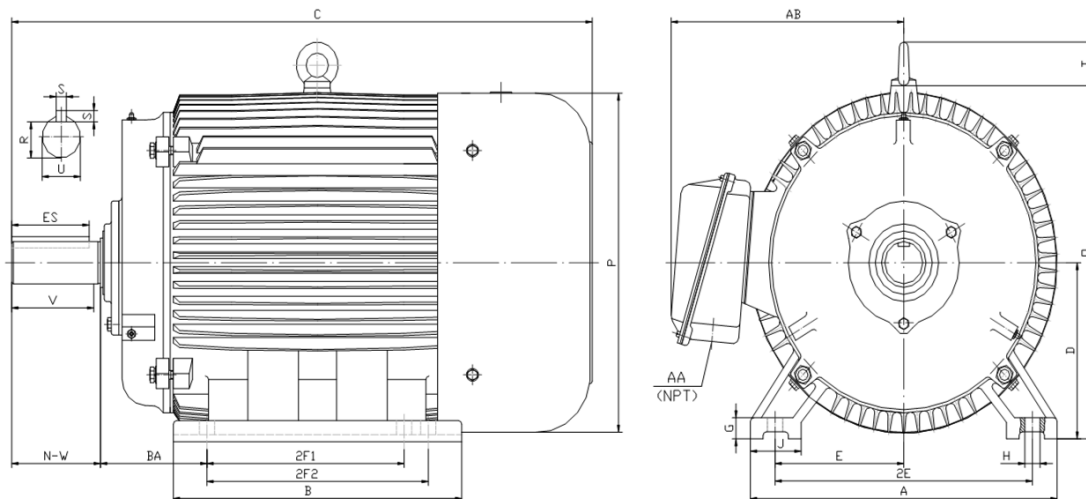
CRUSHER DUTY ELECTRIC MOTOR

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	1800	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





PE449T-300-4C

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

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	1790	449T	460	60	1.15	F	C	0.6	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	2220
335.0	2200	95.4	95.0	94.5	94.5	0.870	0.860	0.800	885.4	140	245				

NAME PLATE

 North American Electric, Inc. 												CONNECTION DIAGRAMS (460V)					
INVERTER DUTY 20:1 VT; 10:1 CT												Across The Line T7 T1 L1 T8 T2 L2 T9 T3 L3					
CAT NO:		PE449T-300-4C				FRAME		449T		PHASE		3					
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55							
HP 300		RPM 1790		HP 300		RPM 1488		DUTY CONT		DES C							
VOLTS 460				VOLTS 380				AMB 40° C		INS F							
FLA 335.0				FLA 411				DE BEARING NU319									
CODE G		P.F. 0.87		CODE D		P.F. 0.87		ODE BEARING 6318									
EFF 95.4		MIN 94.5		EFF 94		MIN 93		LUB: Mobil Polyrex EM									
MOTOR WEIGHT 2220.0 LBS				CONNECTION 6 Lead Δ				SER NO									
General purpose use on industrial machinery installed in damp, dusty or dirty environments.    CC 082A Hernando, Mississippi												PWS Start T7 T1 L1 T8 T2 L2 T9 T3 L3					
												PWS Run T7 T1 L1 T8 T2 L2 T9 T3 L3					

APPLICATIONS:

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