



PE445T-150-4C

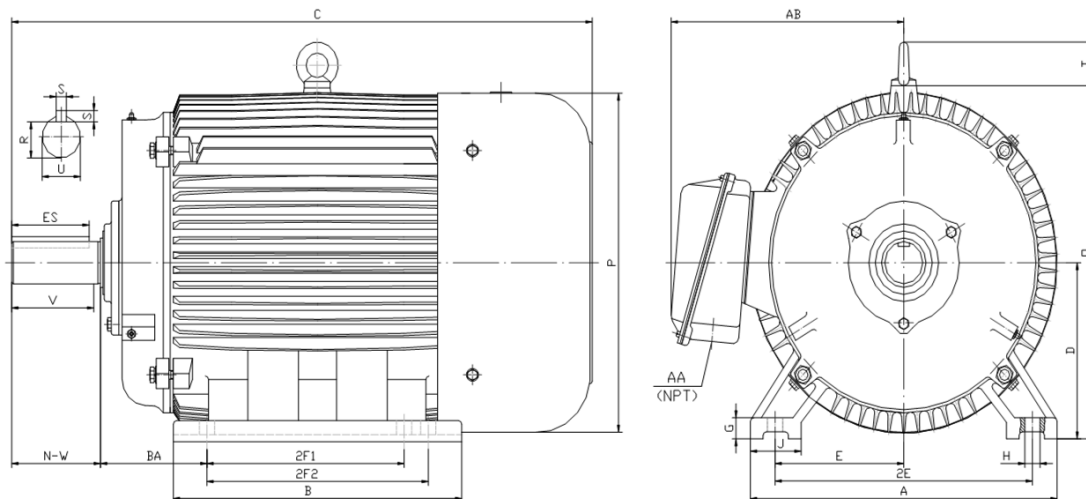
CRUSHER DUTY ELECTRIC MOTOR

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
150	1800	445T	21.70	22.90	44.30	11.00	1.35	0.81	3.35	9.00	18.00	14.50	16.50	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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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
150	1785	445T	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	1597
173.0	1085	95.8	95.8	95.0	95.0	0.870	0.860	0.800	442.7	200	260				

NAME PLATE

 North American Electric, Inc. 												CONNECTION DIAGRAMS (460V)			
INVERTER DUTY 20:1 VT; 10:1 CT												Across The Line T7 T8 T9 T1 T2 T3 L1 L2 L3			
CAT NO:		PE445T-150-4C				FRAME		445T		PHASE		3			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55					
HP 150		RPM 1785		HP 150		RPM 1488		DUTY CONT		DES C					
VOLTS 460				VOLTS 380				AMB 40° C		INS F					
FLA 173.0				FLA 203				DE BEARING		NU319					
CODE G		P.F. 0.87		CODE F		P.F. 0.87		ODE BEARING		6318					
EFF 95.8		MIN 95.0		EFF 93.5		MIN 92.7		LUB:		Mobil Polyrex EM					
MOTOR WEIGHT 1597.0 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 T8 T9 T1 T2 T3 L1 L2 L3	
PWS Run T7 T8 T9 T1 T2 T3 L1 L2 L3															

APPLICATIONS:

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