



PE445T-100-8C

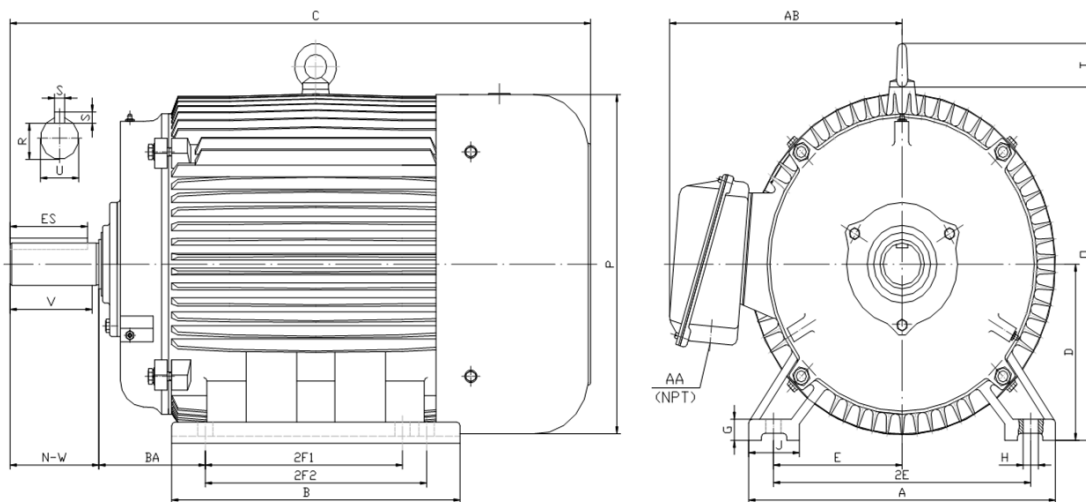
CRUSHER DUTY ELECTRIC MOTOR

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
100	900	445T	21.70	22.90	44.30	11.00	1.35	0.81	3.35	9.00	18.00	14.50	16.50	22.10	21.60	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	19.00	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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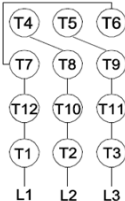
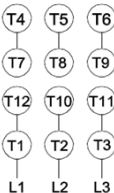
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
100	885	445T	208-230/460	60	1.15	F	C	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%	Min.	100%	75%	50%	FLT	LRT %	BDT %	NU319	6318	12 Lead 2Δ/Δ	1452
125.0	725	93.6	93.6	93.0	92.4	0.820	0.740	0.630	593.0	200	230				

NAME PLATE

 North American Electric, Inc.												CONNECTION DIAGRAMS 208-230V  460V 
CAT NO: PE445T-100-8C				FRAME 445T				PHASE 3				
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC IP 55				
HP 100		RPM 885		HP 100		RPM 740		DUTY CONT DES C				
VOLTS 208-230/460		VOLTS 190/380				AMB 40° C		INS F				
FLA 276 - 250 / 125		FLA 300/150				DE BEARING NU319						
CODE G		P.F. 0.82		CODE F		P.F. 0.84		ODE BEARING 6318				
EFF 93.6		MIN 92.4		EFF 92		MIN 90.5		LUB: Mobil Polyrex EM				
MOTOR WEIGHT 1452 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 CSA US CC 082A												

APPLICATIONS:

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