



## PE449T-150-8C

**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
150	900	449T	21.7	31.4	52.8	11	1.35	0.81	3.35	9	18	20	25	22.1	21.6	3	7.5

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.375	8.25	2.88	0.875	6.91	8.5	3	19	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	885	449T	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%	100%	75%	50%	FLT	LRT %	BDT %	NU319	6318	6 Lead Δ	1975
180	1085	94.1	94.1	93.5	0.83	0.75	0.65	890	200	225				

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS						
CAT NO.		PE449T-150-8C				FRAME		449T		PHASE		3		<b>Across The Line</b> 		
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55		<b>PWS Start</b> 			
HP	150	RPM	885	HP	150	RPM	740	DUTY CONT	DES		C		<b>PWS Run</b> 			
VOLTS		460		VOLTS		380		AMB		40 °C		INS		F		
AMPS		180		AMPS		220		DE BRG		NU319						
CODE	G	P.F.	0.83	CODE	F	P.F.	0.84	ODE BRG		6318						
EFF	94.1	MIN	93.0	EFF	92.5	MIN	91.4	LUB:		Mobil Polyrex EM						
MOTOR WEIGHT		1975 LBS		CONNECTION		6 Lead Δ		SER NO								
Special purpose use on crushing and pulverizing equipment.  Hernando, Mississippi										CC082A						

### APPLICATIONS:

Special purpose use on crushing and pulverizing equipment. Other industrial machinery requiring extremely high starting torques and breakdown torques. Suitable for use with variable frequency drives.