



## PE449T-200-6C

**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
200	1200	449T	21.7	31.4	52.8	11	1.35	0.81	3.35	9	18	20	25	23	23.4	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	19.9	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
200	1185	449T	460	60	1.15	F	C	1.3	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 %				
235	1450	95.8	95.6	95.0	0.81	0.79	0.71	885	200	245	NU319	6318	6 Lead Δ	2175

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS							
CAT NO.		PE449T-200-6C				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						
HP	200	RPM	1185	HP	200	RPM	985	DUTY CONT	DES		C						
VOLTS		460		VOLTS		380		AMB	40 °C		INS		F				
AMPS		235		AMPS		290		DE BRG		NU319							
CODE	G	P.F.	0.81	CODE	F	P.F.	0.84	ODE BRG		6318							
EFF	95.8	MIN	95.0	EFF	94.3	MIN	93.5	LUB:		Mobil Polyrex EM							
MOTOR WEIGHT		2175 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.