



PE444T-75-8C

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
75	900	444T	21.7	22.9	44.3	11	1.35	0.81	3.35	9	18	14.5	16.5	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
75	885	444T	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%	100%	75%	50%	FLT	LRT %	BDT %				
95	542	93.6	93.6	92.5	0.80	0.72	0.60	445	200	240	NU319	6318	12 Lead 2Δ/Δ	1353

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS				
CAT NO. PE444T-75-8C		FRAME 444T		PHASE 3								208-230V 		
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55							460V 		
HP 75	RPM 885	HP 75	RPM 740	DUTY CONT	DES C									
VOLTS 208-230/460		VOLTS 190/380		AMB 40 °C	INS F									
AMPS 210 - 190 / 95		AMPS 230/115		DE BRG	NU319									
CODE G	P.F. 0.80	CODE F	P.F. 0.82	ODE BRG	6318									
EFF 93.6	MIN 92.4	EFF 92.0	MIN 90.5	LUB: Mobil Polyrex EM										
MOTOR WEIGHT 1353	LBS	CONNECTION 12 Lead 2Δ/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.