



## PE324T-40-4C

**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
40	1800	324T	15.5	13.2	29.8	8	1	0.66	2.75	6.25	12.5	10.5	NA	15.9	15.7	2.6	5.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
2.125	5	1.845	0.5	3.91	5.25	2	12.3	6312	6312	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
40	1780	324T	230/460	60	1.15	F	C	1.1	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 %				
46.6	290	94.1	94.6	94.6	0.83	0.79	0.70	118.8	200	245	6312	6312	12 Lead 2Δ/Δ	513

\*Usable at 208 Volts

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT									CONNECTION DIAGRAMS 230V		
CAT NO. PE324T-40-4C		FRAME 324T		PHASE 3									
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55								
HP 40	RPM 1780	HP 40	RPM 1470	DUTY CONT	DES C								
VOLTS 230/460		VOLTS 190/380		AMB 40 °C	INS F								
AMPS 93.2 / 46.6	AMPS 114/57		DE BRG 6312										
CODE G	P.F. 0.83	CODE F	P.F. 0.85	ODE BRG 6312									
EFF 94.1	MIN 93.0	EFF 92.8	MIN 91.5	LUB: Mobil Polyrex EM									
MOTOR WEIGHT 513 LBS	CONNECTION 12 Lead 2Δ/Δ		SER NO										
Special purpose use on crushing and pulverizing equipment. Hernando, Mississippi								CC082A					
						460V 							

### 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.