



## PE324T-40-4

GENERAL PURPOSE 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	208-230/460	60	1.15	F	B	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	160	245	6312	6312	12 Lead 2Δ/Δ	513

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS		
CAT NO.		PE324T-40-4				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	B		
VOLTS		208-230/460			VOLTS		190/380		AMB	40 °C		
AMPS		100 - 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				
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi										CC082A		
208-230V 												
460V 												

### APPLICATIONS:

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