



PE324T-40-4-575V

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

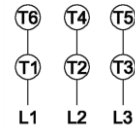
HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
40	1780	324T	575	60	1.15	F	B	1.1	G	TEFC	55	40 °C

Amps (575V)		Efficiency (%)			Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	100%	75%	50%	FLT	LRT %	BDT %				
37.28	232	94.1	94.6	94.6	0.83	0.79	0.70	118.8	160	245	6312	6312	6 Lead Δ	519

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT						CONNECTION DIAGRAMS	
CAT NO.	PE324T-40-4-575V			FRAME	324T	PHASE	3		
HZ	60	S.F.	1.15	ENCL	TEFC	IP	55		
HP	40	RPM	1780	DUTY	CONT	DES	B		
VOLTS	575			AMB	40 °C	INS	F		
AMPS	37.28			DE BRG	6312				
CODE	G	P.F.	0.83	ODE BRG	6312				
EFF	94.1	MIN	93.0	LUB:	Mobil Polyrex EM				
MOTOR WEIGHT	519	LBS	CONNECTION	6 Lead Δ		SER NO			
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi								CC082A	

575 V Delta



APPLICATIONS:

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