



## PE286TS-40-2

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	3600	286TS	14	13.2	26.7	7	0.85	0.53	2.75	5.5	11	9.5	11	14.5	14	2.2	4.75

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.625	3	1.416	0.375	1.91	3.25	1.5	11.3	6311	6311	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





## PE286TS-40-2

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

### 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	3540	286TS	208-230/460	60	1.15	F	B	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 %				
44.5	290	92.4	92.0	91.0	0.91	0.86	0.78	59.2	180	290	6311	6311	12 Lead 2Δ/Δ	401

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS			
CAT NO.		PE286TS-40-2				FRAME		286TS		PHASE 3			
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55		
HP	40	RPM	3540	HP	40	RPM	2925	DUTY CONT	DES	B			
VOLTS		208-230/460				VOLTS		190/380		AMB	40 °C	INS	F
AMPS		95 - 89 / 44.5		AMPS		110/55		DE BRG		6311			
CODE	G	P.F.	0.91	CODE	F	P.F.	0.92	ODE BRG		6311			
EFF	92.4	MIN	91.0	EFF	90.7	MIN	89.3	LUB: Mobil Polyrex EM					
MOTOR WEIGHT		401 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.