



PE286TS-30-2

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
30	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





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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
30	3530	286TS	208-230/460	60	1.15	F	B	1.9	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 %				
34.5	217	91.7	91.5	90.5	0.90	0.87	0.80	44.5	150	260	6311	6311	12 Lead 2Δ/Δ	391

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS		
CAT NO.		PE286TS-30-2				FRAME		286TS		PHASE 3		
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55	
HP	30	RPM	3530	HP	30	RPM	2920	DUTY CONT	DES	B		
VOLTS		208-230/460		VOLTS		190/380		AMB	40 °C	INS	F	
AMPS		74 - 69 / 34.5		AMPS		82/41		DE BRG		6311		
CODE	G	P.F.	0.90	CODE	F	P.F.	0.91	ODE BRG		6311		
EFF	91.7	MIN	90.2	EFF	90.0	MIN	88.5	LUB: Mobil Polyrex EM				
MOTOR WEIGHT		391 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.