



PE286T-30-4C

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
30	1800	286T	14	13.2	28.1	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	
1.875	4.38	1.591	0.5	3.28	4.62	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	1775	286T	230/460	60	1.15	F	C	1.4	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 %				
35.3	217	93.6	93.6	93.0	0.84	0.81	0.71	89.1	200	250	6311	6311	12 Lead 2Δ/Δ	409

*Usable at 208 Volts

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS 230V		
CAT NO. PE286T-30-4C		FRAME 286T		PHASE 3								
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55							
HP 30	RPM 1775	HP 30	RPM 1465	DUTY CONT	DES C							
VOLTS 230/460		VOLTS 190/380		AMB 40 °C	INS F							
AMPS 70.6 / 35.3	AMPS 86/43		DE BRG 6311									
CODE G	P.F. 0.84	CODE F	P.F. 0.86	ODE BRG 6311								
EFF 93.6	MIN 92.4	EFF 92.2	MIN 91.0	LUB: Mobil Polyrex EM								
MOTOR WEIGHT 409 LBS	CONNECTION 12 Lead 2Δ/Δ		SER NO									
Special purpose use on crushing and pulverizing equipment.								CC082A		460V 		
Hernando, Mississippi						C 272709						

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.