



PE284T-10-8C

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
10	900	284T	14	11.7	26.6	7	0.85	0.53	2.75	5.5	11	9.5	NA	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
10	880	284T	208-230/460	60	1.15	F	C	2.2	H	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 %				
14.6	81	89.5	89.0	87.0	0.72	0.58	0.44	60	200	280	6311	6311	12 Lead 2Δ/Δ	306

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS					
CAT NO. PE284T-10-8C		FRAME 284T		PHASE 3											
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55										
HP 10	RPM 880	HP 10	RPM 735	DUTY CONT	DES C										
VOLTS 208-230/460		VOLTS 190/380		AMB 40 °C	INS F										
AMPS 32.2 - 29.2 / 14.6	AMPS 35/17.5		DE BRG 6311												
CODE H	P.F. 0.72	CODE F	P.F. 0.74	ODE BRG 6311											
EFF 89.5	MIN 87.5	EFF 87.5	MIN 85.5	LUB: Mobil Polyrex EM											
MOTOR WEIGHT 306 LBS	CONNECTION 12 Lead 2Δ/Δ		SER NO												
Special purpose use on crushing and pulverizing equipment.														CC082A	
Hernando, Mississippi															

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.