



PE182T-1-8C

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
1	900	182T	9.5	6.3	15.1	4.5	0.6	0.41	2	3.75	7.5	4.5	NA	9.1	8.7	1.6	2.75

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.125	2.5	0.986	0.25	1.78	2.75	0.75	7.5	6306-ZZ	6306-ZZ	F1

BEARING LUBRICATION: The bearings come lubricated with Mobil Polyrex EM Polyurea Grease.





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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
1	870	182T	230/460	60	1.15	F	C	3.3	M	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 %				
1.9	15	75.5	74.0	70.0	0.66	0.55	0.42	6.1	230	320	6306-ZZ	6306-ZZ	9 Lead 2Y/Y	67

*Usable at 208 Volts

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS		
CAT NO. PE182T-1-8C		FRAME 182T		PHASE 3		230V						
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55	T4		T5		T6		
HP 1	RPM 870	HP 1	RPM 730	DUTY CONT	DES C	T7		T8		T9		
VOLTS 230/460		VOLTS 190/380		AMB 40 °C	INS F	T1		T2		T3		
AMPS 3.8 / 1.9	AMPS 4.6/2.3		DE BRG 6306-ZZ		L1		L2		L3			
CODE M	P.F. 0.66	CODE K	P.F. 0.68	ODE BRG 6306-ZZ	460V							
EFF 75.5	MIN 72.0	EFF 72.5	MIN 68.5	LUB: Mobil Polyrex EM	T4		T5		T6			
MOTOR WEIGHT 67 LBS	CONNECTION 9 Lead 2Y/Y		SER NO		T7		T8		T9			
Special purpose use on crushing and pulverizing equipment.		ISO9001 CERTIFIED		CE		SA C US 272709		T1		T2		
Hernando, Mississippi		CC082A		T3		L1		L2		L3		

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.