



PE184T-1.5-8C

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
1.5	900	184T	9.5	7.3	16.1	4.5	0.6	0.41	2	3.75	7.5	4.5	5.5	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
1.5	865	184T	230/460	60	1.15	F	C	3.9	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 %				
2.65	20	78.5	77.5	74.0	0.69	0.58	0.44	9.2	230	320	6306-ZZ	6306-ZZ	9 Lead 2Y/Y	78

*Usable at 208 Volts

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS		
CAT NO. PE184T-1.5-8C		FRAME 184T		PHASE 3		230V						
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55	T4 T5 T6						
HP 1.5	RPM 865	HP 1.5	RPM 725	DUTY CONT	DES C	T7 T8 T9						
VOLTS 230/460		VOLTS 190/380		AMB 40 °C	INS F	T1 T2 T3						
AMPS 5.3 / 2.65	AMPS 6.4/3.2		DE BRG 6306-ZZ		L1 L2 L3							
CODE M	P.F. 0.69	CODE K	P.F. 0.71	ODE BRG 6306-ZZ		460V						
EFF 78.5	MIN 75.0	EFF 75.0	MIN 71.5	LUB: Mobil Polyrex EM		T4 T5 T6						
MOTOR WEIGHT 78 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 T3		CC082A		
Hernando, Mississippi								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.