



PE184T-5-4C

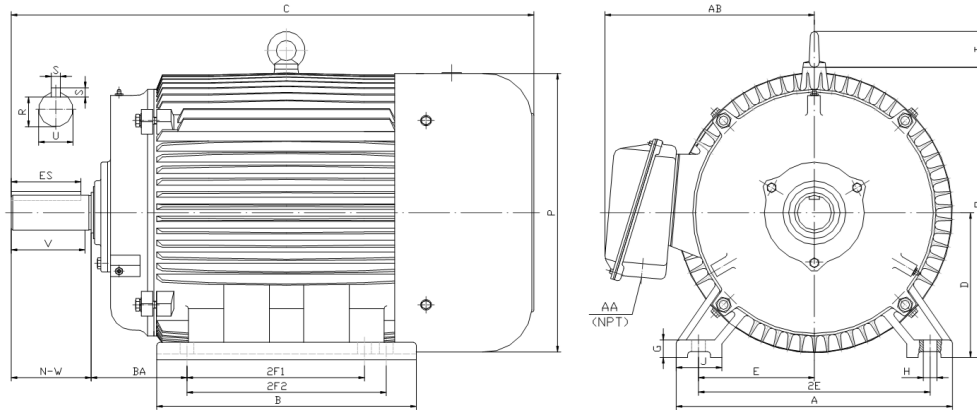
CRUSHER DUTY ELECTRIC MOTOR

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
5	1800	184T	9.5	8.3	17.1	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
5	1760	184T	230/460	60	1.15	F	C	2.2	J	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 %				
6.8	46		89.5	89.8	89.0	0.78	0.74	0.62	15	260	300	6306-ZZ	6306-ZZ	9 Lead 2Y/Y	103

*Usable at 208 Volts

NAME PLATE

 AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT 										CONNECTION DIAGRAMS							
CAT NO.			PE184T-5-4C			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 5		RPM 1760		HP 5		RPM 1440		DUTY CONT		DES C		T7 T8 T9					
VOLTS 230/460			VOLTS 190/380			AMB 40 °C		INS F		T1 T2 T3							
AMPS 13.6 / 6.8			AMPS 15.4/7.7			DE BRG		6306-ZZ					L1 L2 L3				
CODE J		P.F. 0.78		CODE H		P.F. 0.84		ODE BRG		6306-ZZ					460V		
EFF 89.5		MIN 87.5		EFF 87.5		MIN 85.5		LUB: Mobil Polyrex EM									
MOTOR WEIGHT		103 LBS		CONNECTION 9 Lead 2Y/Y				SER NO					T4 T5 T6				
													T7 T8 T9				
Special purpose use on crushing and pulverizing equipment.										CC082A			T1 T2 T3				
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.