



## PE182T-3-4

GENERAL PURPOSE 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
3	1800	182T	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
3	1760	182T	208-230/460	60	1.15	F	B	2.2	K	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 %				
3.8	32	89.5	89.1	87.6	0.77	0.70	0.58	9	215	300	6306-ZZ	6306-ZZ	9 Lead 2Y/Y	90

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT									CONNECTION DIAGRAMS					
CAT NO.		PE182T-3-4				FRAME		182T		PHASE 3			<b>208-230V</b> T4—T5—T6 T7—T8—T9 T1—T2—T3 L1 L2 L3			
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55					
HP	3	RPM	1760	HP	3	RPM	1450	DUTY CONT	DES	B						
VOLTS		208-230/460				VOLTS		190/380		AMB	40 °C		INS	F		
AMPS		8.2 - 7.6 / 3.8				AMPS		9.8/4.9		DE BRG	6306-ZZ					
CODE	K	P.F.	0.77	CODE	H	P.F.	0.80	ODE BRG	6306-ZZ							
EFF	89.5	MIN	87.5	EFF	87.0	MIN	85.0	LUB: Mobil Polyrex EM								
MOTOR WEIGHT	90		LBS	CONNECTION			9 Lead 2Y/Y		SER NO							
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi										CC082A			<b>460V</b> T4—T5—T6 T7—T8—T9 T1—T2—T3 L1 L2 L3			

### APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments.