

PRODUCT INFORMATION PACKET

Model No: 182TCDW7001
Catalog No: I103A
3,3600,DP,182T,1/60/115/208-230
Open Drip Proof (ODP)



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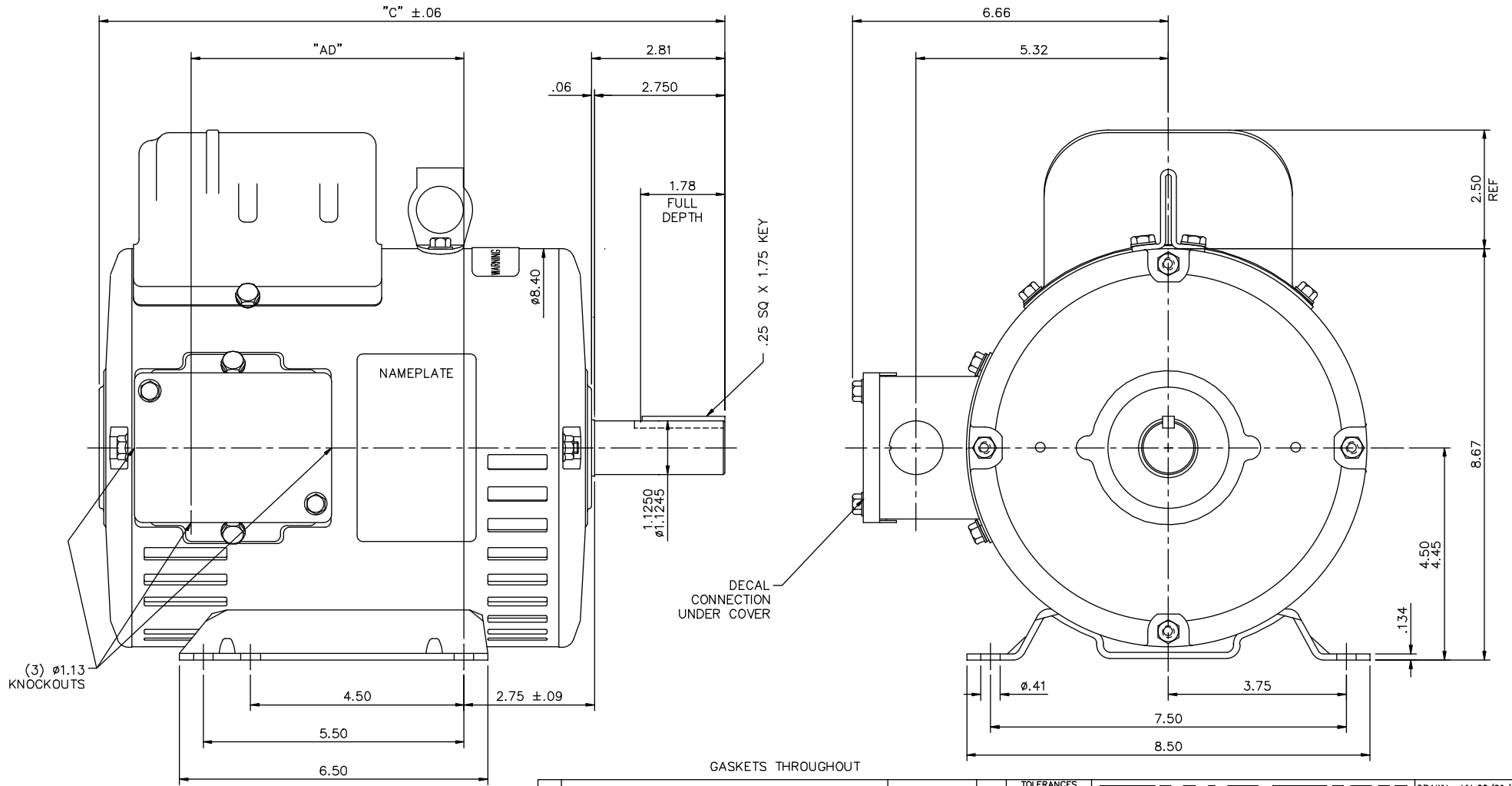
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	32.0/17.1-16.1 A	Speed	3500 rpm
Service Factor	1.15	Phase	1
Efficiency	75.5 %	Duty	Continuous
Insulation Class	F	Design Code	L
KVA Code	G	Frame	182T
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Mounting	Rigid base	Motor Orientation	Shaft Up
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	13.69 in	Frame Length	9.50 in
Shaft Diameter	1.125 in	Shaft Extension	2.81 in
Assembly/Box Mounting	W8		
Outline Drawing	035555-950	Connection Diagram	005062.01ME

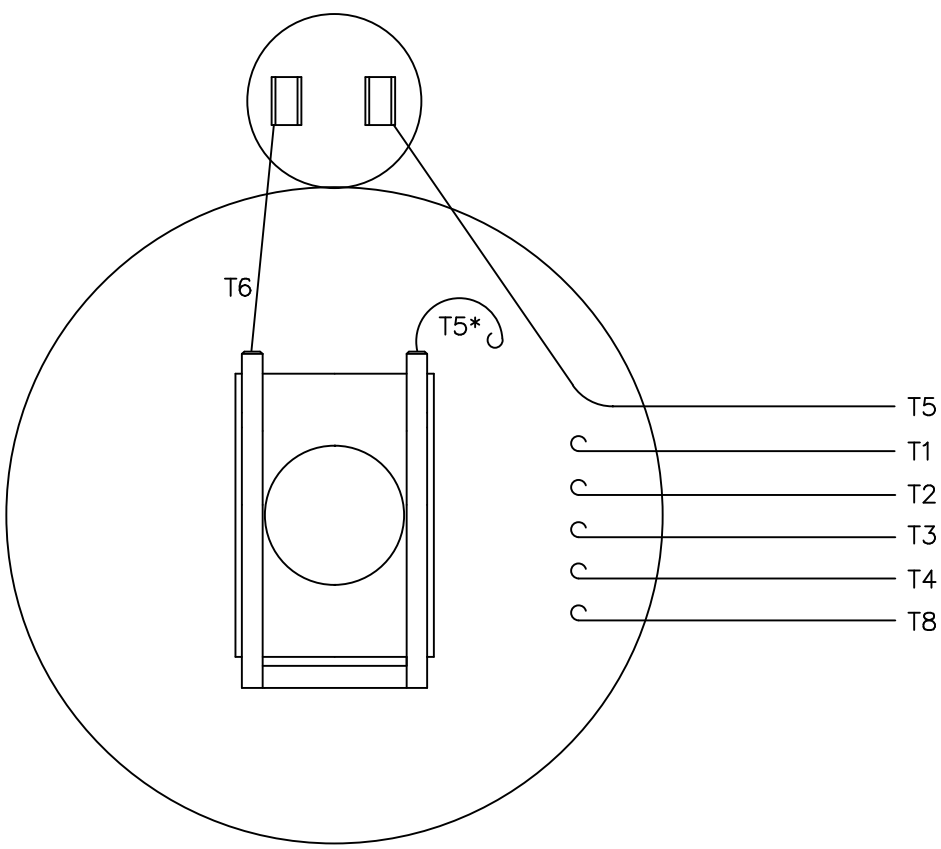
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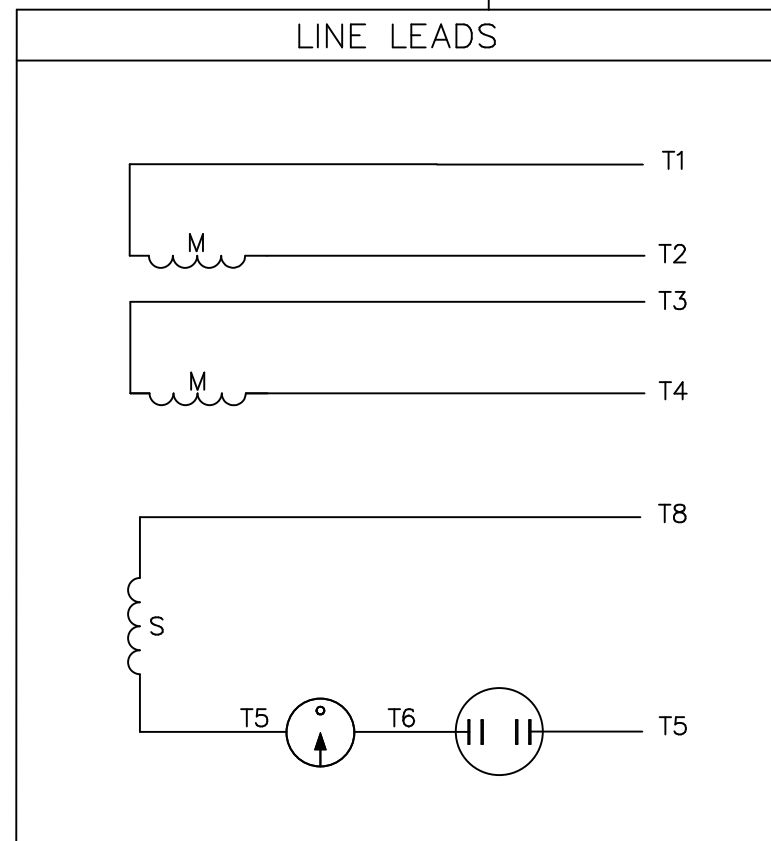
DASH NO.	"C"	"AD"
900	13.19	5.75
950	13.69	6.25
1000	14.19	6.75
1050	14.69	7.25
1100	15.19	7.75
1150	15.69	8.25

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN
		DEC.	INCHES			vv 08/29/07
		.X	±.1			CHK
		.XX	±.03	TITLE	OUTLINE- 180T FRAME	APPD
		.XXX	±.005		DRIP PROOF- RIGID	SCALE 1=2
		.XXXX	±.0005	MAT'L.		REF 035472
01	REMOVED CE DECAL					FMF 184TCDW7026
	REVISION	BY & DATE	CHK	ANG	FINISH	PREV
		GWS 4/28/08		RFP	6/5/03	
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				CAD FILE	035555	SIZE B
				DRAWING NO.	035555	REV. 01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



* THIS LEAD MAY BE WHITE



	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	T1	T4 T5	T2,T3 T8
	C.W.	T1	T4 T8	T2,T3 T5
LOW VOLT	C.C.W.	T1,T3 T8	T2,T4 T5	-----
	C.W.	T1,T3 T5	T2,T4 T8	-----

		TOLERANCES UNLESS SPECIFIED			
		DEC.	INCHES		
		.X	±.1		
		.XX	±.01		
		.XXX	±.005		
		.XXXX	±.0005		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'



TITLE
EXT. WIRING DIAGRAM
TYPE "C" W/O PROTECTOR

MAT'L.
DECAL - 004012

FINISH

DRAWN RDW 6/30/03

CHK

APPD

SCALE 1=1

REF

FMF 139043

PREV

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		DIST			A	005062-01ME	

CERTIFICATION DATA SHEET

Model#: 182TCDW7001 AA **WINDING#:** C8219 R1 3
CONN. DIAGRAM: 005062.01ME **ASSEMBLY:** W8
OUTLINE: 035555-950

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3500	182T	DP	G	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	32/17.1-16.1	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 75.5	3/4 LOAD EFF: 74.7	1/2 LOAD EFF: 70.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 80	3/4 LOAD PF: 73.9	1/2 LOAD PF: 63.1	0	CAP START IND RUN	17.2 / 8.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	159.8 / 79.9	7.3 LB-FT 162	10.5 LB-FT 233	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	0.5 LB-FT^2	10 SEC.	-	0 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	SHAFT UP	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6207	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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