PRODUCT INFORMATION PACKET

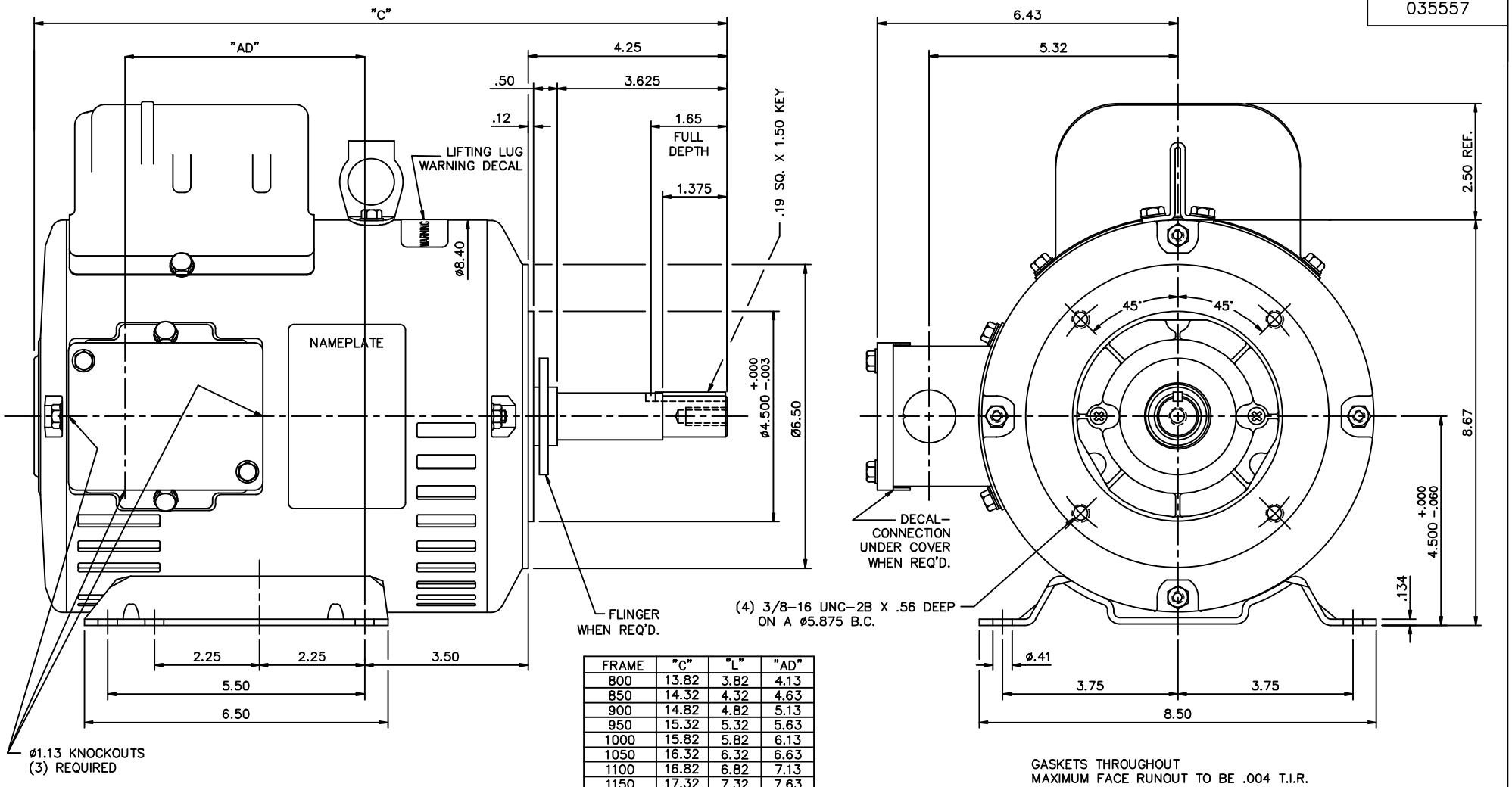
Model No: 184TCDW7047
Catalog No: Z407A
3,1800,DP,184JM,1/60/115/230
JM

Nameplate Specifications

Output HP	**3 Hp**	Output KW	**2.2 kW**
Frequency	**60 Hz**	Voltage	**115/230 V**
Current	**33.5/16.8 A**	Speed	**1747 rpm**
Service Factor	**1.15**	Phase	**1**
Efficiency	**75.5 %**	Duty	**Continous**
Insulation Class	**F**	Design Code	**N**
KVA Code	**J**	Frame	**184JM**
Enclosure	**Drip Proof**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6207**
Opp Drive End Bearing Size	**6205**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**		

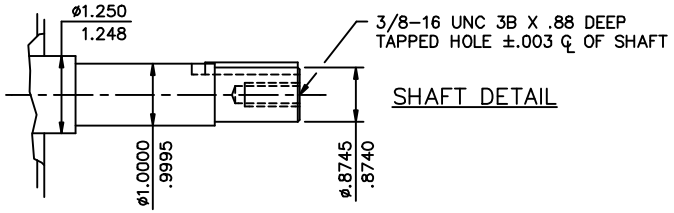
Technical Specifications

Electrical Type	**Capacitor Start Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Selective Counterclockwise**
Mounting	**Rigid base**	Motor Orientation	**Horizontal**
Drive End Bearing	**Ball**	Opp Drive End Bearing	**Ball**
Frame Material	**Rolled Steel**	Shaft Type	**JM**
Overall Length	**15.82 in**	Frame Length	**10.00 in**
Shaft Diameter	**0.875 in**	Shaft Extension	**4.25 in**
Assembly/Box Mounting	**F1 Only**		
Outline Drawing	**035557-1000**	Connection Diagram	**005062.01ME**



FRAME	"C"	"L"	"AD"
800	13.82	3.82	4.13
850	14.32	4.32	4.63
900	14.82	4.82	5.13
950	15.32	5.32	5.63
1000	15.82	5.82	6.13
1050	16.32	6.32	6.63
1100	16.82	6.82	7.13
1150	17.32	7.32	7.63
1200	17.82	7.82	8.13

GASKETS THROUGHOUT
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.



SHAFT DETAIL

NO.	REVISION	BY & DATE	CHK
02	ADDED FLINGER WHEN REQ'D ISAAC 12–2578	GWS 6/11/12	
01	SHAFT HOLE WAS 3A x .56 DEEP,WARNING NOTE ADDED	JD 05/26/11	

TOLERANCES UNLESS SPECIFIED: DEC. INCHES; .X ±.1; .XX ±.03; .XXX ±.005; .XXXX ±.0005; ANG ±1/2°

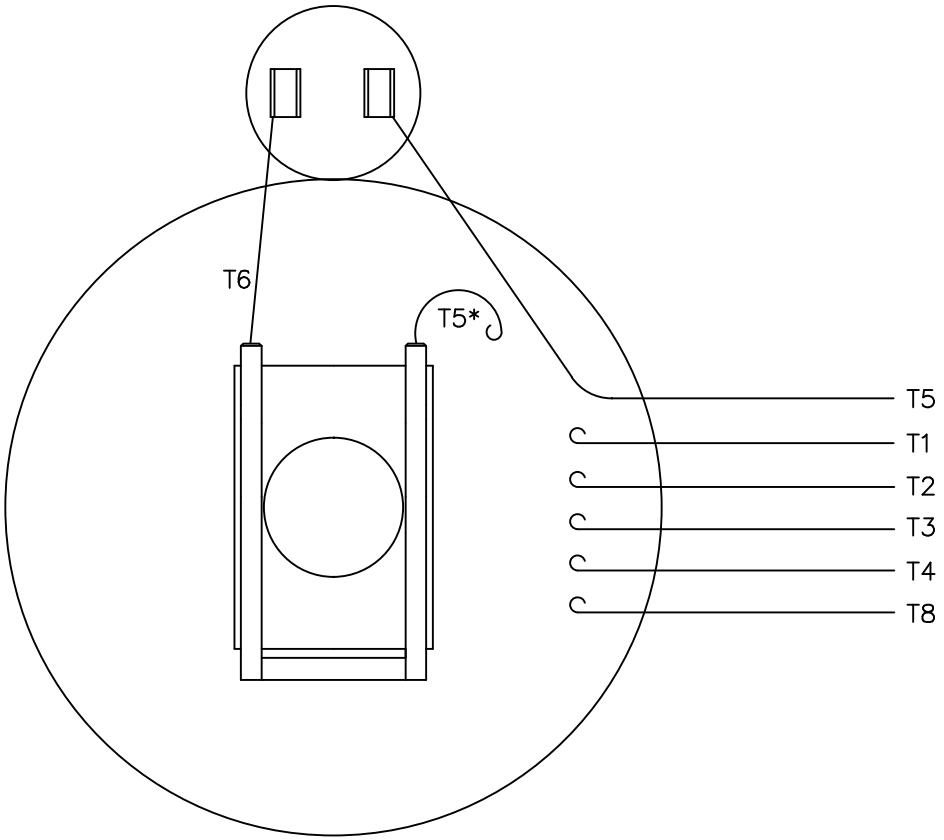
MARATHON ELECTRIC

TITLE: OUTLINE– 180T FRAME DRIP PROOF– RIGID

DRAWN VV 08/30/07
CHK YS 08/30/07
APPD
SCALE 1=2
REF 035472
FMF 184TCDW7047
PREV
MAT'L.
FINISH
CAD FILE 035557
RFP
DIST
SIZE B
DRAWING NO. 035557
REV. 02

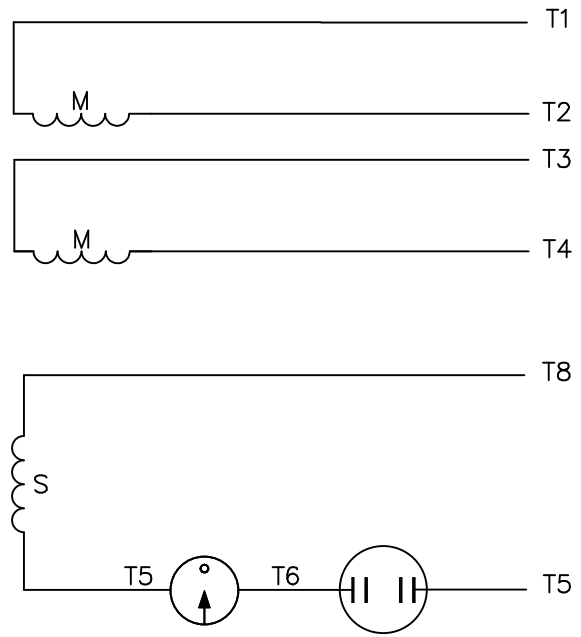
005062–01ME

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



* THIS LEAD MAY BE WHITE

LINE LEADS



	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	–––––

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

MARATHON ELECTRIC

TITLE	EXT. WIRING DIAGRAM TYPE "C" W/O PROTECTOR
MAT'L.	DECAL – 004012
FINISH	
CAD FILE	00506201ME
RFP	
DIST	

DRAWN	RDW 6/30/03
CHK	
APPD	
SCALE	1=1
REF	
FMF	139043
PREV	

SIZE A | DRAWING NO. 005062–01ME | REV.

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CERTIFICATION DATA SHEET

Model#:	184TCDW7047 AA	**WINDING#:**	C8428 NONE 3
CONN. DIAGRAM:	005062.01ME	**ASSEMBLY:**	F1 ONLY
OUTLINE:	035557-1000		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1800	1747	184JM	DP	J	N

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/230	33.5/16.8	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 75.5	3/4 LOAD EFF: 75.5	1/2 LOAD EFF: 74.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 76	3/4 LOAD PF: 73	1/2 LOAD PF: 71.3	0	CAP START IND RUN	19.4 / 9.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	181.2 / 90.6	24.6 LB-FT 273	18.4 LB-FT 204	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	1 LB-FT^2	0.4 LB-FT^2	10 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

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

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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FORM 3531 REV.3 02/07/99
** Subject to change without notice.