

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 184TTDW16073
Catalog No: E158B
5,1800,DP,184JMV,3/60/230/460
JM



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REGAL

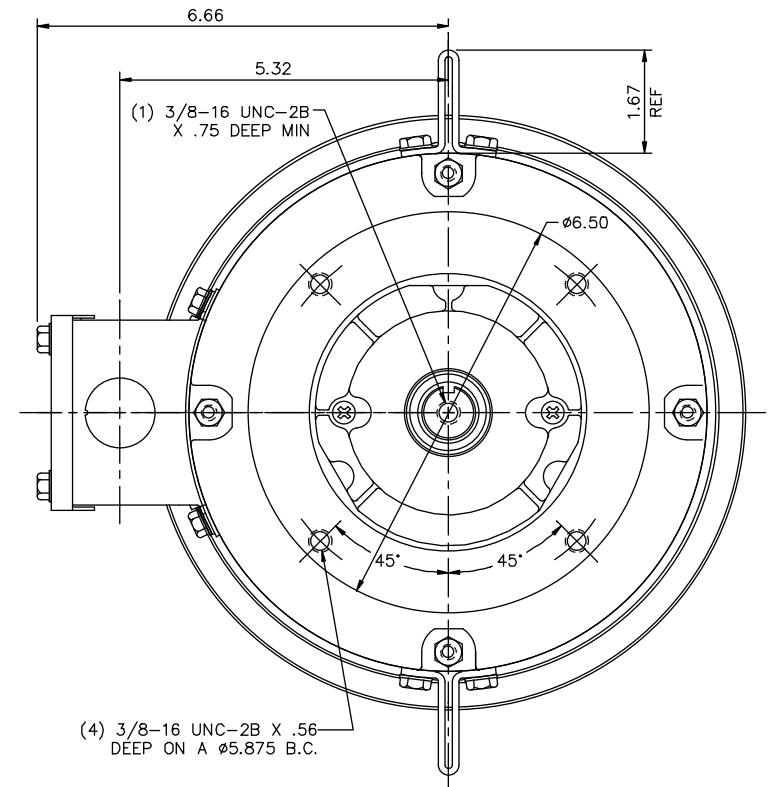
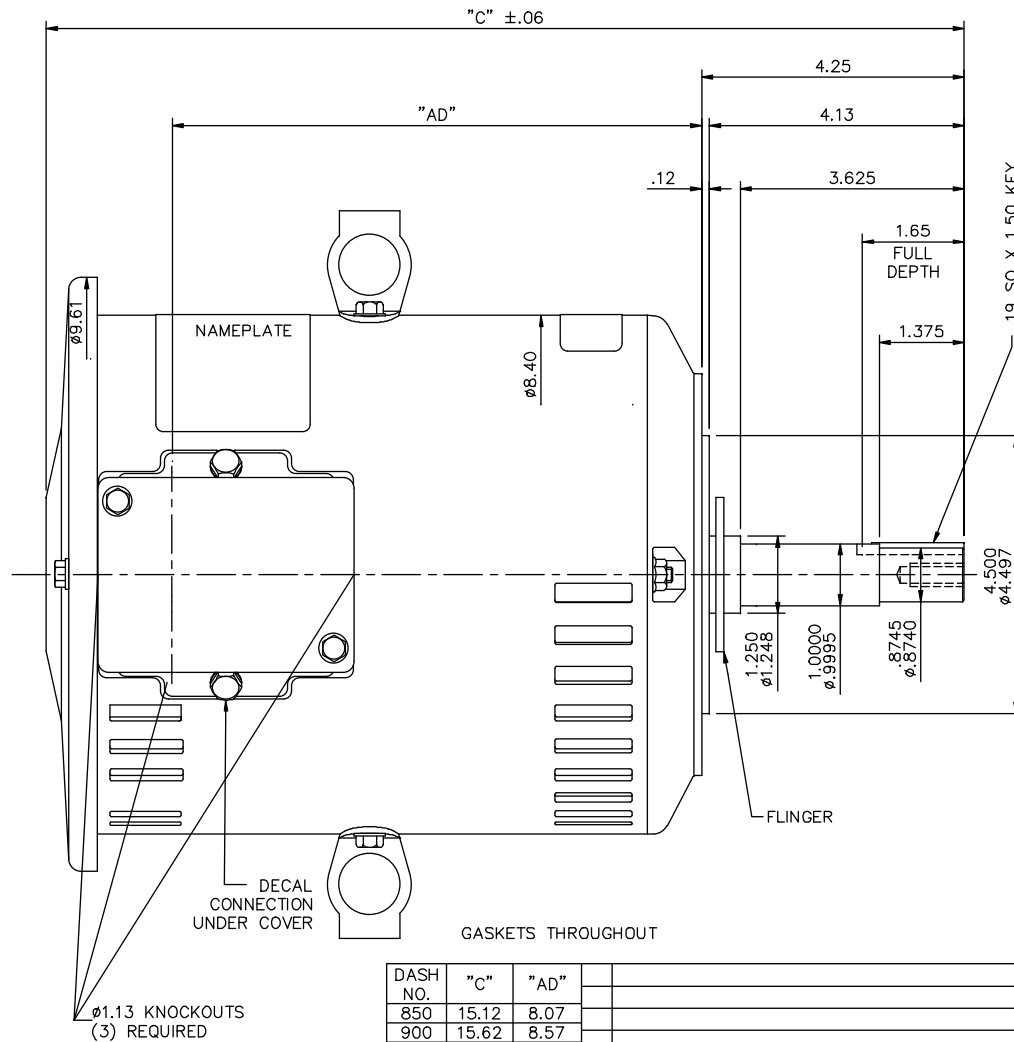


Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	12.6/6.3 A	Speed	1755 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	J	Frame	184JMV
Enclosure	DP	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6207
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	12		

Technical Specifications

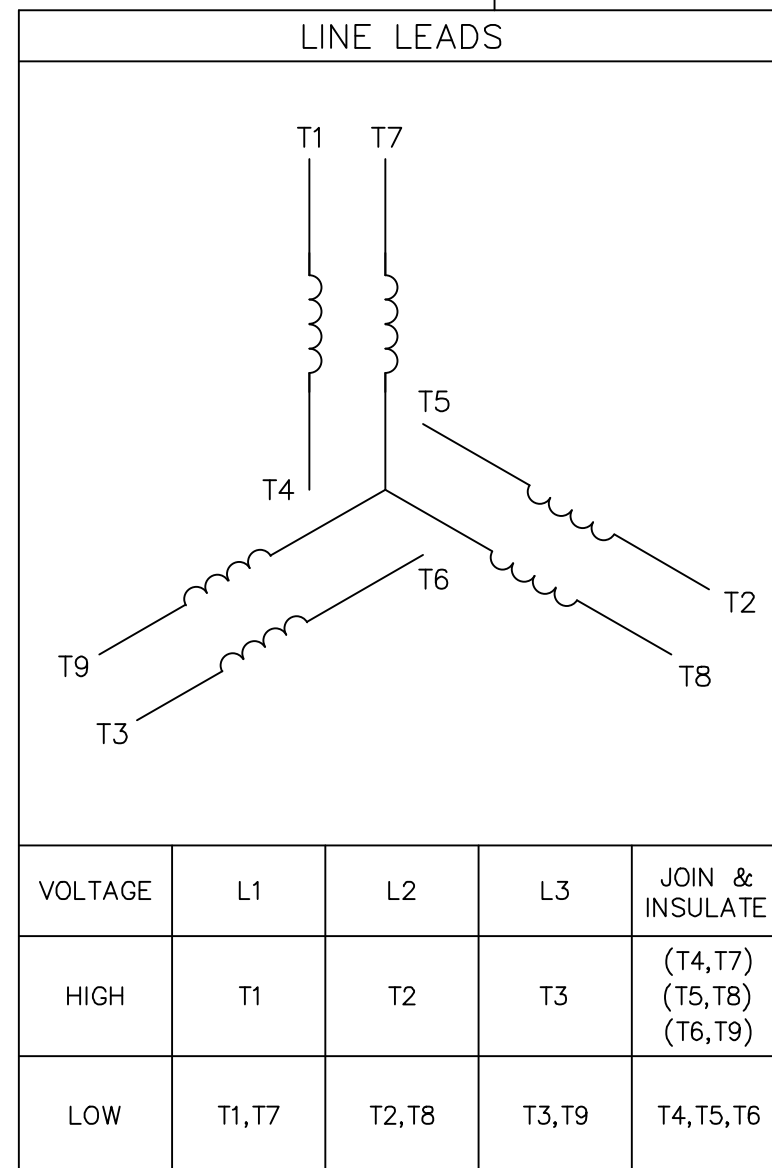
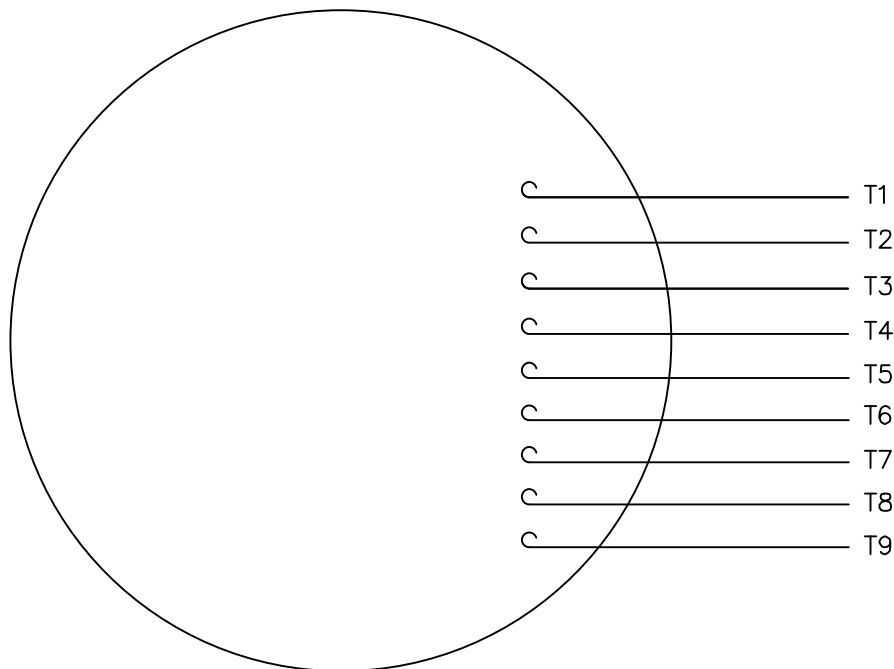
Electrical Type	SQ CAGE IND RUN	Starting Method	ACROSS THE LINE
Poles	4	Rotation	REV
Mounting	ROUND	Motor Orientation	SHAFT DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	JM
Overall Length	16.62 in	Frame Length	10 in
Shaft Diameter	1.13 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	035568-1000	Connection Diagram	005010.01ME



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

DASH NO.	"C"	"AD"			TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN VV 17/09/07	
					DEC.	INCHES		CHK	
850	15.12	8.07			.X	±.1	TITLE OUTLINE- 180JM FRAME DRIP PROOF- "C" FACE- JM PUMP	APPD	YS 17/09/07
900	15.62	8.57			.XX	±.03		SCALE	1=2
950	16.12	9.07			.XXX	±.005		REF	035547
1000	16.62	9.57			.XXXX	±.0005		FMF	184TTDW7325
1050	17.12	10.07			CHK	ANG ±1/2'		PREV	
1100	17.62	10.57	01	KEY NOTE UPDATED	GR	04/03/13	MAT'L		
1150	18.12	11.07	NO.	REVISION	BY & DATE	CHK	FINISH		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT					RFP		CAD FILE	035568	SIZE
					DIST			B	DRAWING NO.
									035568
									REV.
									01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



				TOLERANCES UNLESS SPECIFIED		 MARATHON ELECTRIC	DRAWN RDW 04/12/02		
				DEC.	INCHES		CHK		
				.X	±.1		APPD		
				.XX	±.01		SCALE 1=1		
				.XXX	±.005		REF FIG.2—51		
				.XXXX	±.0005		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2*	FINISH		PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT			RFP	04/12/02	CAD FILE 00501001ME		SIZE	DRAWING NO.	REV.
			DIST				A	005010—01ME	

CERTIFICATION DATA SHEET

Model#: 184TTDW16073 AA **WINDING#:** T84169 DR 3
CONN. DIAGRAM: 005010.01ME **ASSEMBLY:** F1 ONLY
OUTLINE: 035568-1000

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&3	3.7&2.24	1800	1755&1470	184JMV	DP	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	12.6/6.3&9.8/4.9	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40	3300

FULL LOAD EFF: 89.5&89.5	3/4 LOAD EFF: 90.7	1/2 LOAD EFF: 90.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83&78	3/4 LOAD PF: 78.4	1/2 LOAD PF: 68.6	87.5	SQ CAGE IND RUN	5 / 2.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.95 LB-FT	95 / 47.5	30 LB-FT 200	49.3 LB-FT 329	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.434 LB-FT^2	0 LB-FT^2	15 SEC.	2	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

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

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

If Inverter equals NONE, contact factory for further information

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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

DATE: 06/28/2017 06:41:10 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.