

PRODUCT INFORMATION PACKET

Modal No: 184TBDW17007
Catalog No: Z408A
5,3600,DP,184JM,1/60/230
JM



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.
©2017 Regal Beloit Corporation, All Rights Reserved. MC017097E

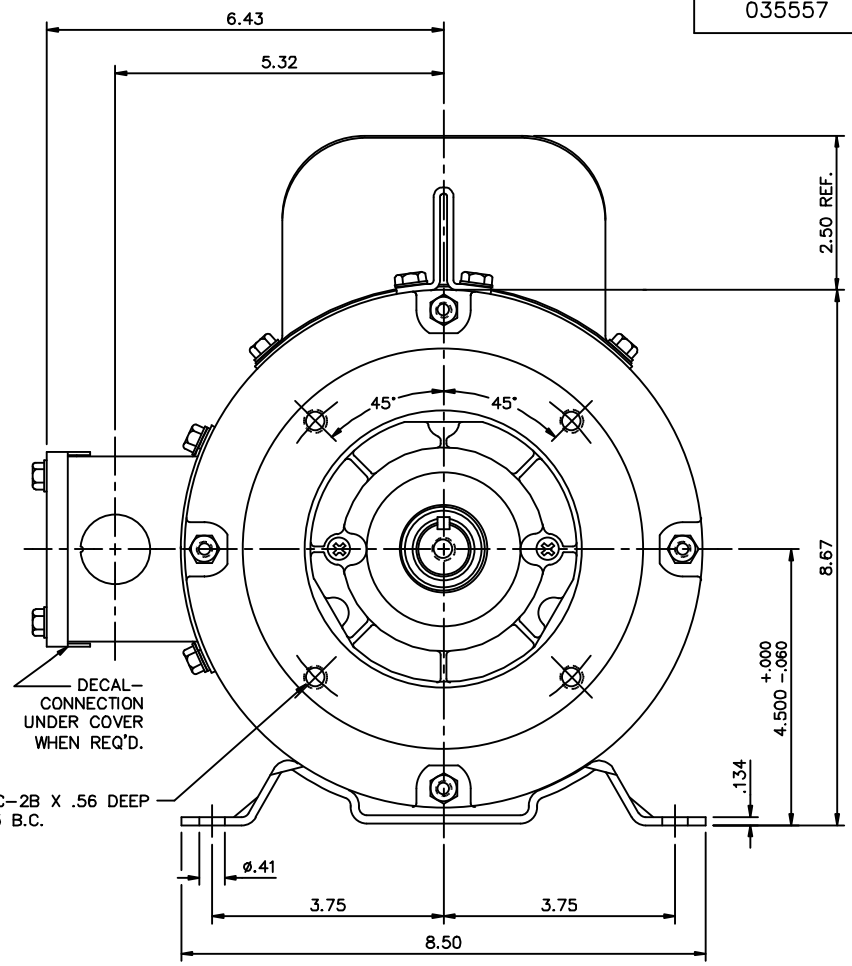
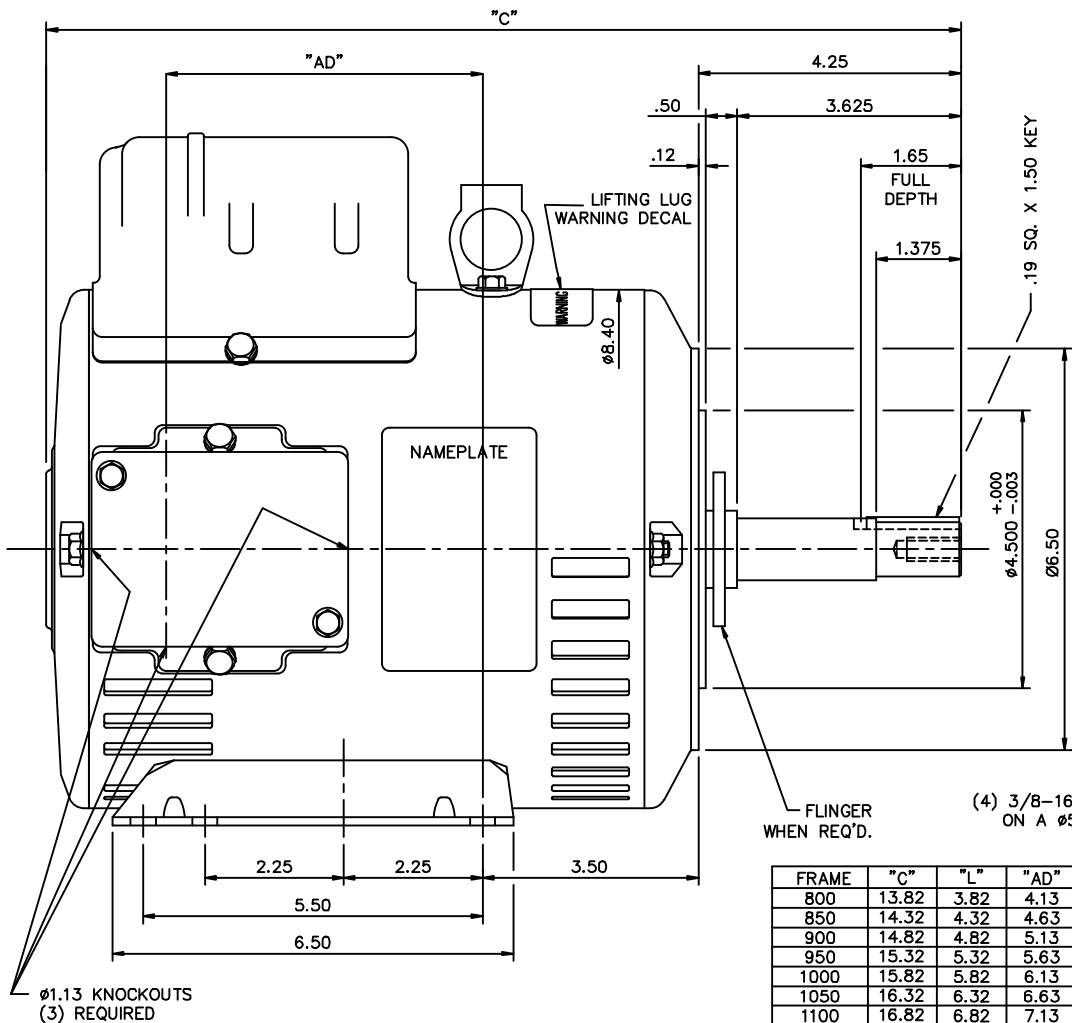


Nameplate Specifications

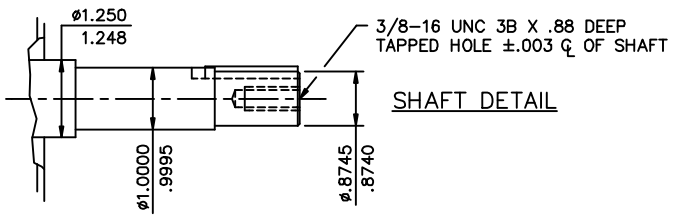
Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230 V
Current	22 A	Speed	3500 rpm
Service Factor	1.15	Phases	1
Efficiency	80 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	NO DESIGN CODE
KVA Code	H	Frame	184JM
Enclosure	DP	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6207
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	CAP START CAP RUN	Starting Method	ACROSS THE LINE
Poles	2	Rotation	SELECTIVE CCW
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	JM
Overall Length	16.32 in	Frame Length	10.5 in
Shaft Diameter	1.63 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1 ONLY		



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.

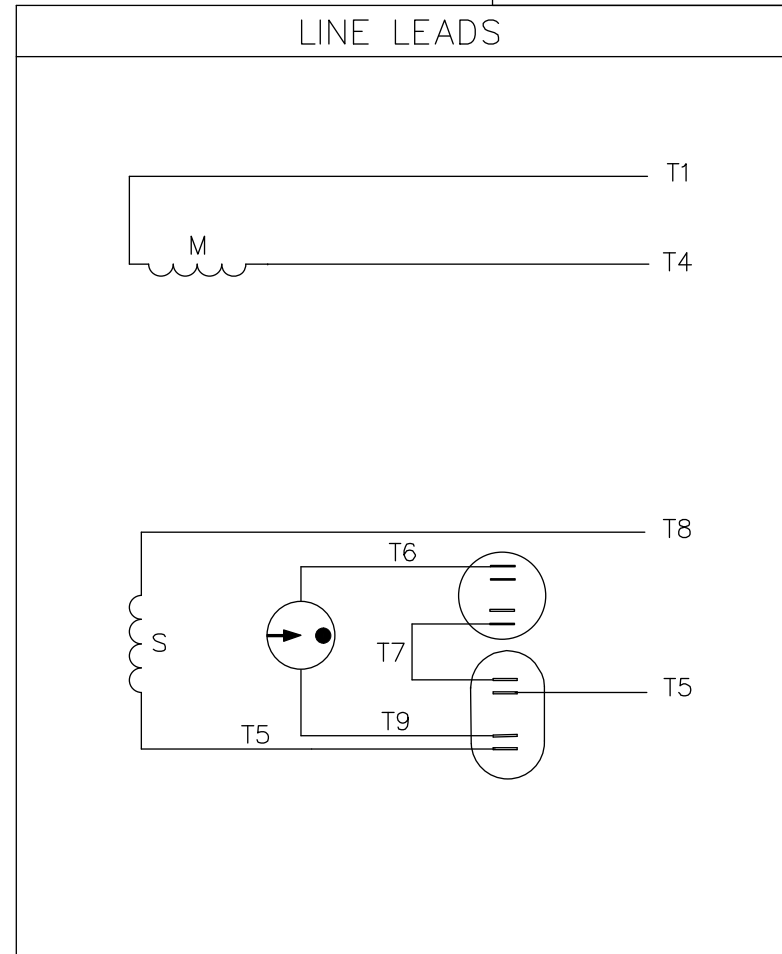
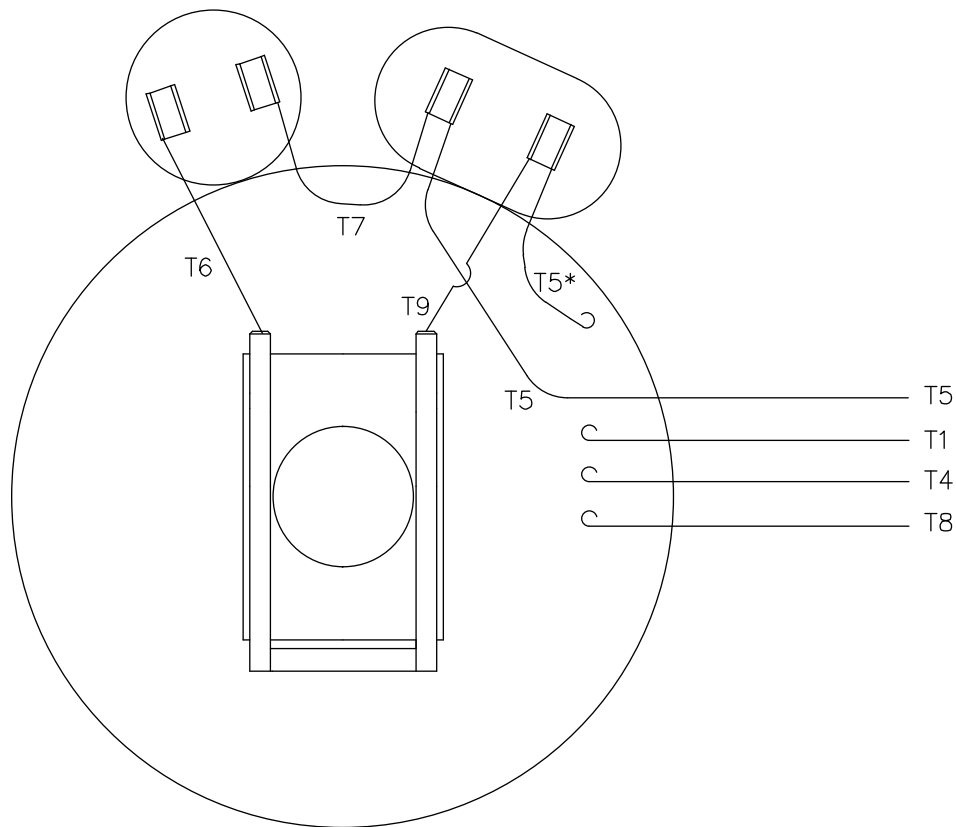
NO.		REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	DEC.	INCHES	FINISH
02		ADDED FLINGER WHEN REQ'D ISAAC 12-2578	GWS 6/11/12			.XX	±.03		
01		SHAFT HOLE WAS 3A x .56 DEEP, WARNING NOTE ADDED	JD 05/26/11			.XXX	±.005		
						.XXXX	±.0005		
							±1/2"		

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	035557	SIZE	DRAWING NO.	REV.
				DIST			B	035557	02



DRAWN	VV 08/30/07
CHK	YS 08/30/07
APPD	
SCALE	1=2
REF	035472
FMF	184TCDW047
PREV	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION FACING LEAD END	L1	L2
C.C.W.	T1, T8	T4, T5
C.W.	T1, T5	T4, T8

* THIS LEAD MAY BE WHITE

				TOLERANCES UNLESS SPECIFIED			MARATHON ELECTRIC	DRAWN	RDW 6/5/03
				DEC.	INCHES			CHK	
				.X	±.1			APPD	
				.XX	±.01			SCALE	1=1
				.XXX	±.005			REF	005018
				.XXXX	±.0005	MAT'L.	DECAL - 004018	FMF	139047
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	4 of 5	PREV	

CERTIFICATION DATA SHEET

Model#: 184TBDW17007 B WINDING#: K8222 R1 2
 CONN. DIAGRAM: 005018.01ME ASSEMBLY: F1 ONLY
 OUTLINE: 035557-1050

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.7	3600	3500	184JM	DP	H	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	230	22	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 80	3/4 LOAD EFF: 78.5	1/2 LOAD EFF: 75	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 92	3/4 LOAD PF: 91	1/2 LOAD PF: 86.3	0	CAP START CAP RUN	6.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.5 LB-FT	141	19 LB-FT 219	19.2 LB-FT 256	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.25 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
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	BALL	POLYREX EM	JM	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

*
N
O
T
E
S
*

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 NONE
NONE FT-LB	NONE V NONE Hz