

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 184TTDW16074

Catalog No: E155A

5 HP Close-Coupled Pump Motor, 3 phase, 1800 RPM, 200 V, 184JM Frame, ODP
Close-Coupled Pump Motors



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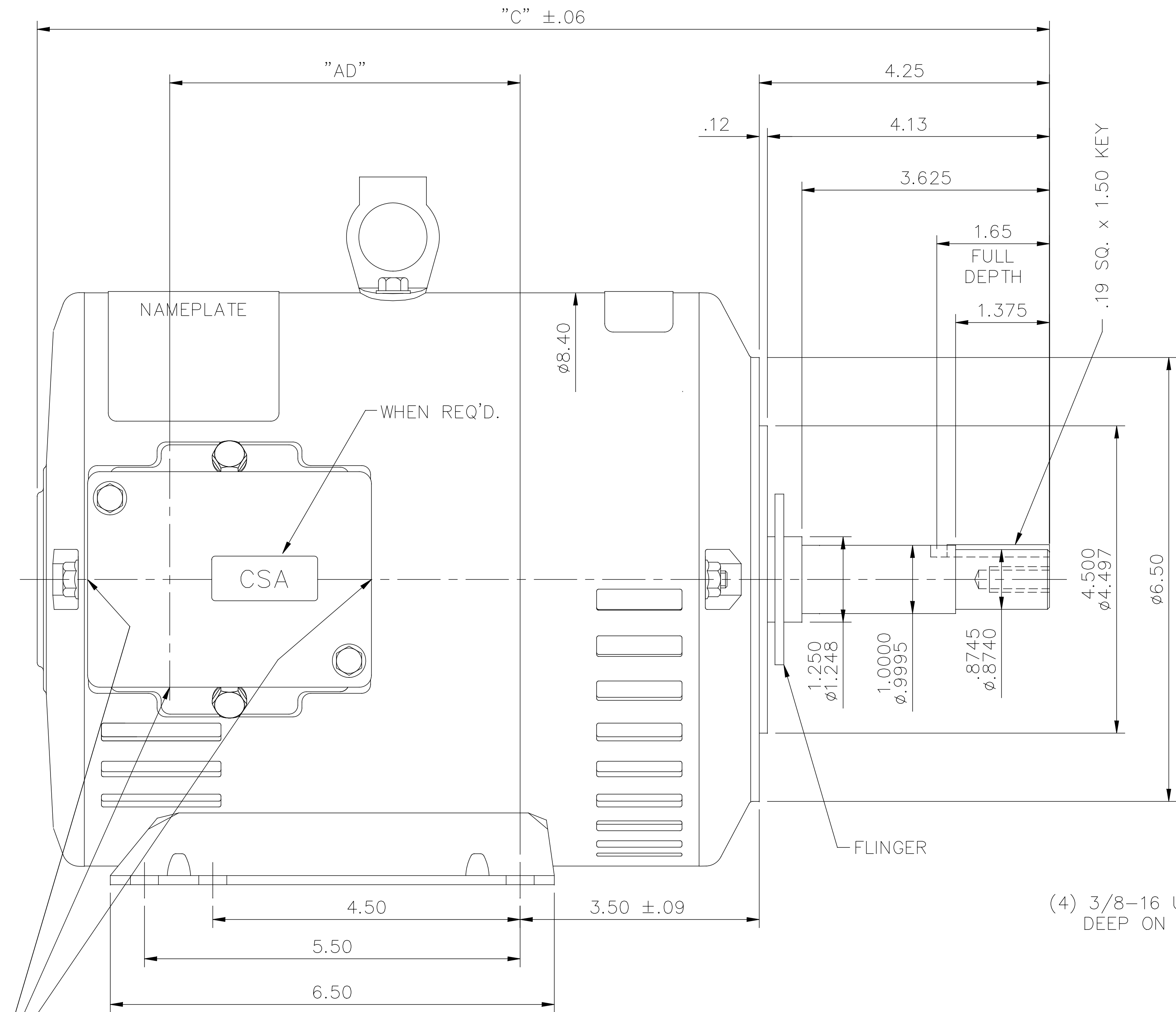
RegalRexnord

Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	200 V
Current	14.5 A	Speed	1755 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	83
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	J
Frame	184JM	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	2.72 Ohms	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
Connection Drawing	005102.01	Outline Drawing	035565-1000



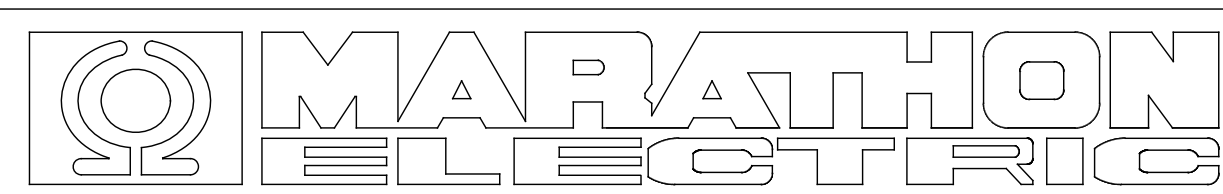
Ø1.13 KNOCKOUTS
(3) REQUIRED

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 .004 T.I.R.

DASH NO.	"C"	"AD"
800	13.82	4.13
850	14.32	4.63
900	14.82	5.13
950	15.32	5.63
1000	15.82	6.13
1050	16.32	6.63
1100	16.82	7.13
1150	17.32	7.63

NO.	REVISION	BY & DATE	CHK	ANG
04	DRAWING UPDATED	SL 05/16/16	GR	.X ±.1
03	CSA WHEN REQ'D ADDED PER ECO-0045263	UD 02/11/14	GR	.XX ±.03
02	REMOVED THE CE DECAL	SVL 6/11/2009	SVL	.XXX ±.005
01	REVISED C/B MOUNTING BOLT POSITION.	ST 3/24/2009	VV	.XXXX ±.0005
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
				DIST

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



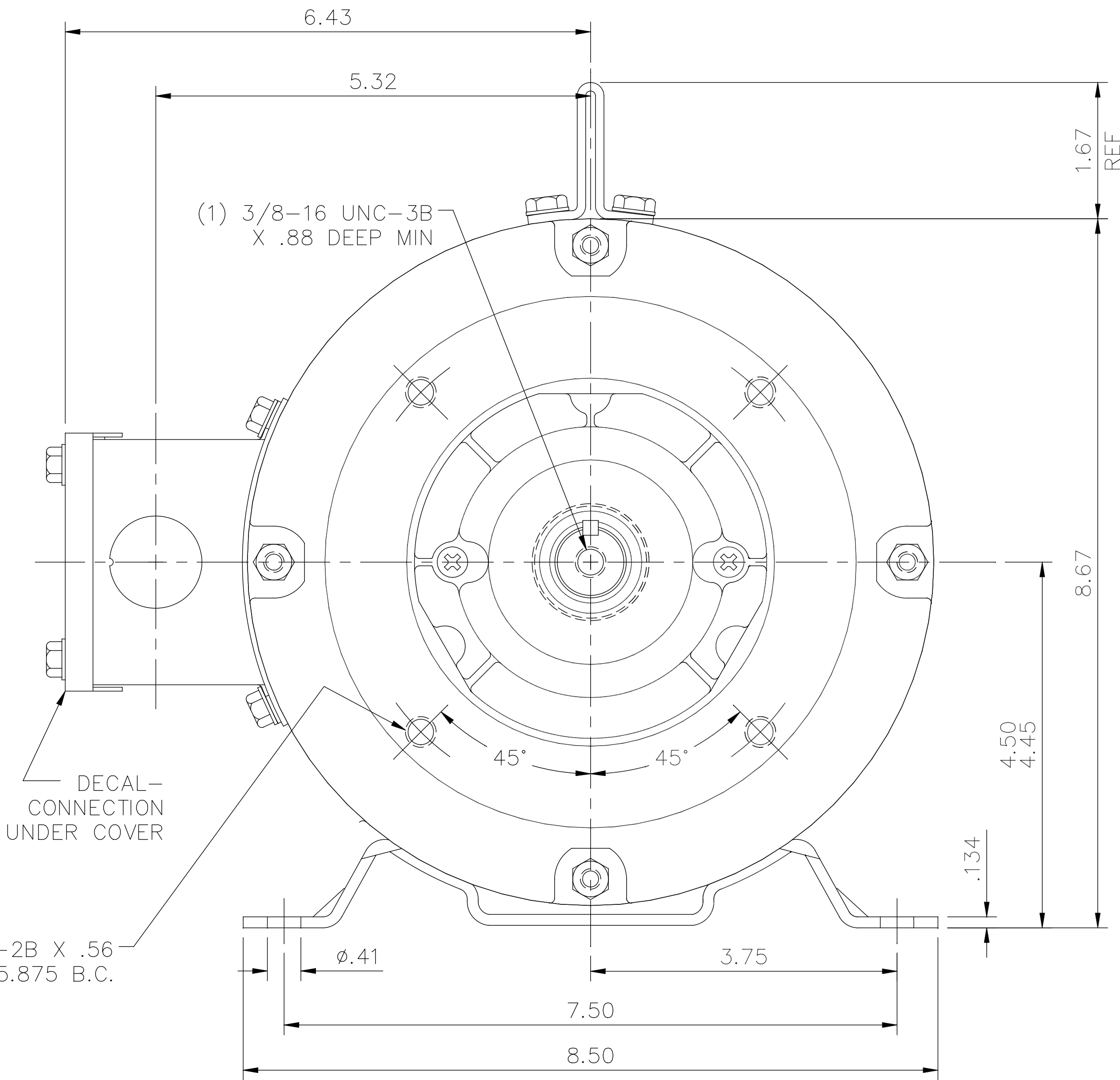
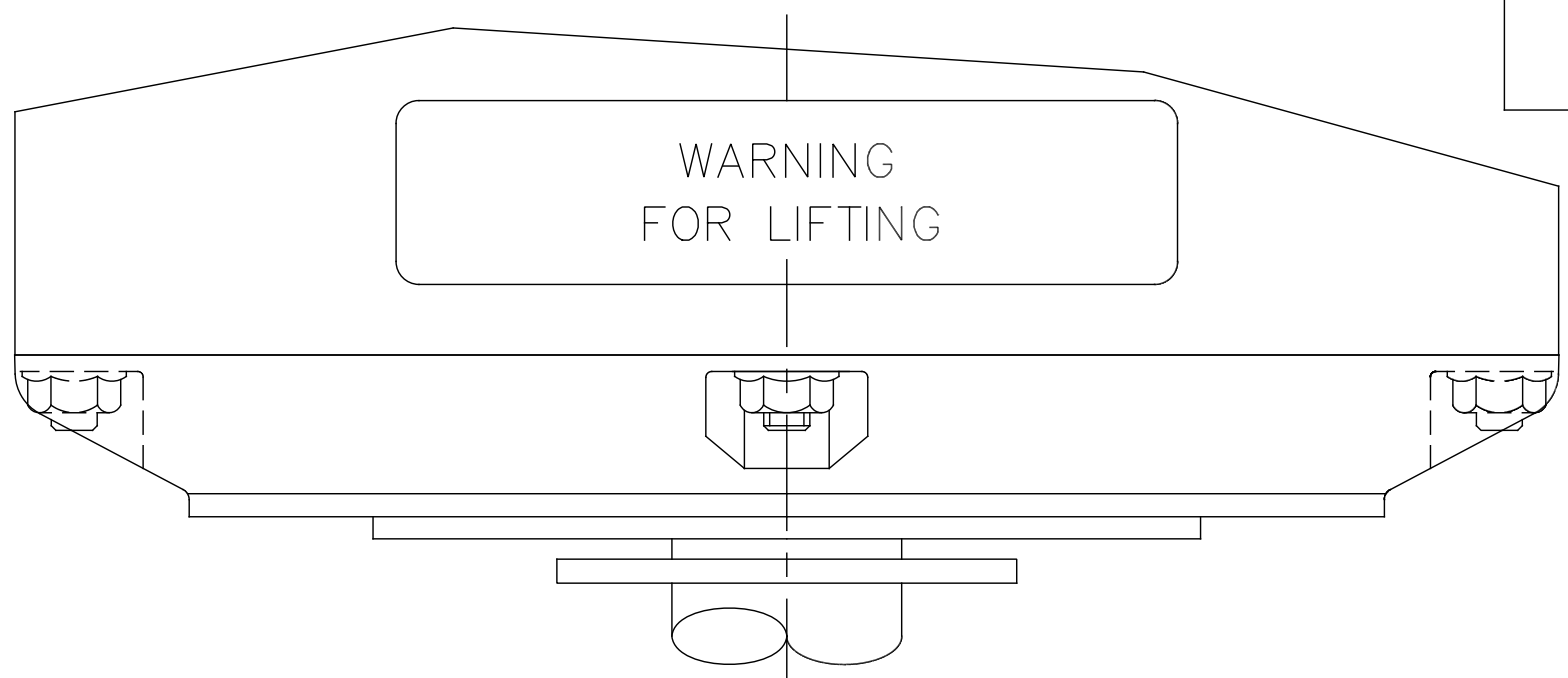
MARATHON ELECTRIC

TITLE: OUTLINE - 180JM FRAME
DRIP PROOF - RIGID "C" - JM PUMP

MAT'L.

FINISH

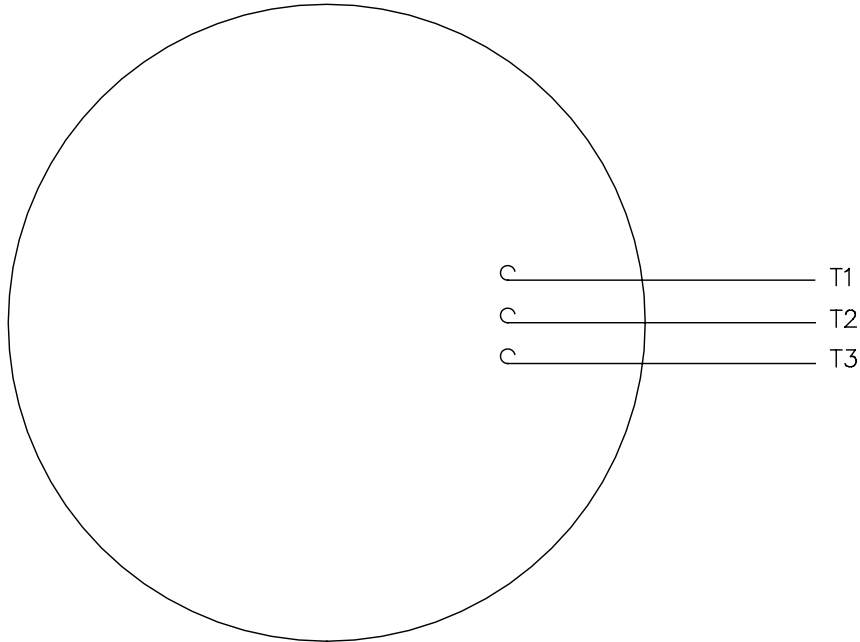
CAD FILE	035565	SIZE	DRAWING NO.	REV.
B	035565			04



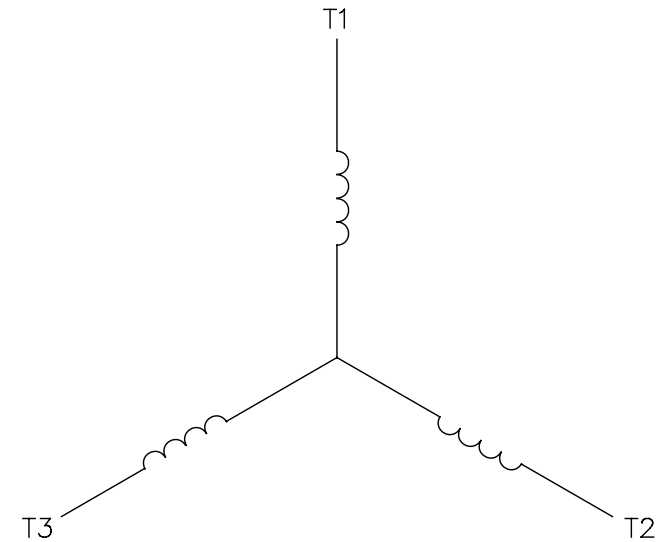
035565

005102-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS

CONNECT LEADS AS FOLLOWS
FOR FOUR CONDUCTOR CORD ()

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN JRW 9/11/75		
				DEC.	INCHES		CHK		
				.X	±.1		APPD JCW 9/11/75		
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR	SCALE 1=1		
07	UPDATED TO CURRENT STANDARDS	DBT 5/30/97		.XXX	±.005		REF W-T6343-6		
06	REDRAWN ON CAD; ADDED DECAL NUMBER	SAW 1/24/95		.XXXX	±.0005	MAT'L. DECAL - 004169	FMF 6T17FB7		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	PREV		
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				DIST BRF-NLV					

CERTIFICATION DATA SHEET

Model#: 184TTDW16074 AA
 CONN. DIAGRAM: 005102.01
 OUTLINE: 035565-1000

WINDING#: T84169 DR 5
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.7	1800	1755	184JM	DP	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	200	14.5	ACROSS THE LINE	CONTINUOUS	B4	1.15	40	3300

FULL LOAD EFF: 89.5	3/4 LOAD EFF: -	1/2 LOAD EFF: -	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83	3/4 LOAD PF: -	1/2 LOAD PF: -	0	SQ CAGE IND RUN	-

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
- LB-FT	-	- LB-FT -	- LB-FT -	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	0 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	BALL						
6207	6205	POLYREX EM	JM	NONE	NONE	1144 STRESSPROOF (C-223)	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

*
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 FT-LB NONE V NONE Hz

DATE: 06/28/2017 06:41:33 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.


MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

200

Volts

 HP 5.00

 PHASE 3

 Model No 184TTDW16074
60

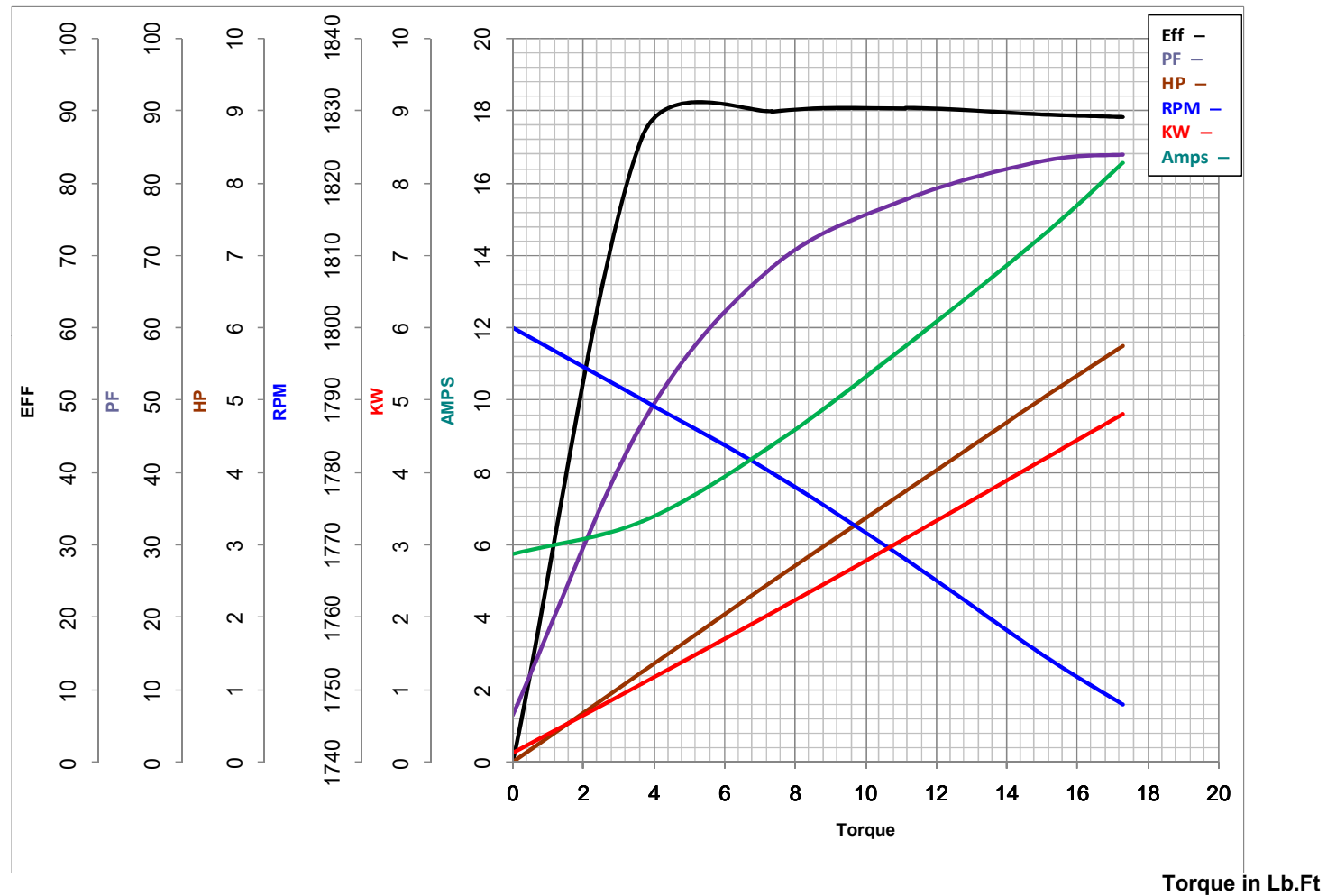
HZ

 VOLTS 200
5

HP

 Catalog No E155A

 HZ 60

 RPM 1755


Torque in Lb.Ft

 FL TORQUE 14.95 Lb.Ft

 BD TORQUE 47.7 Lb.Ft

 LR TORQUE 30 Lb.Ft

 FL AMPS 14.5

 PU TORQUE 29.0 Lb.Ft

 LR AMPS 106.49

WINDING T84169-5

Date 1/10/2019