

PRODUCT INFORMATION PACKET

Model No: 184TBFW7041

Catalog No: I314A

Pressure Washer Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 184TC Frame, TEFC



Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E

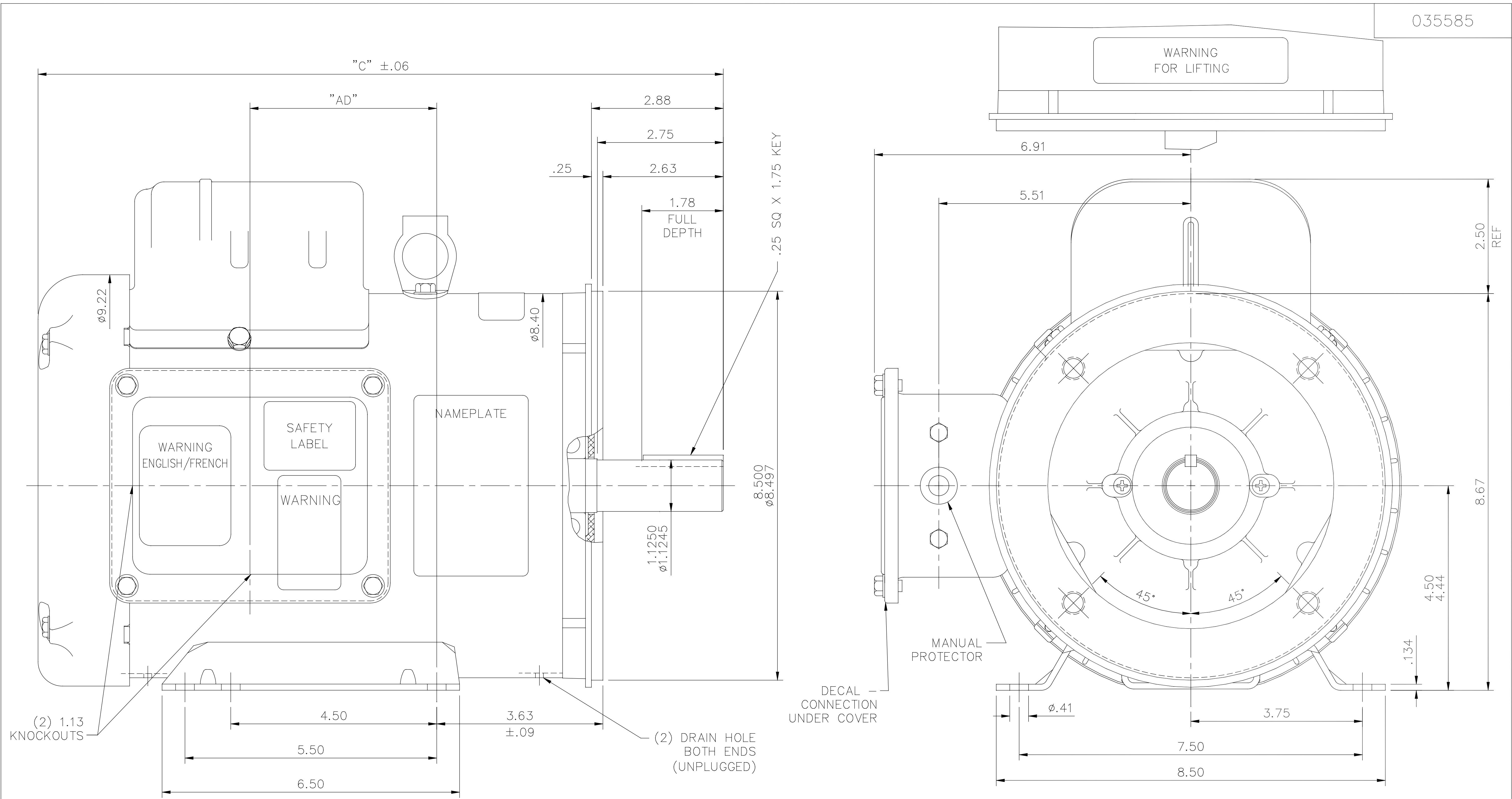
Nameplate Specifications

| | | | |
|------------------------|------------------------------------|----------------------------|------------------------------------|
| Output HP | 3 Hp | Output KW | 2.2 kW |
| Frequency | 60 Hz | Voltage | 230 V |
| Current | 12.8 A | Speed | 1755 rpm |
| Service Factor | 1.15 | Phase | 1 |
| Efficiency | 81.5 % | Power Factor | 94.5 |
| Duty | Continuous | Insulation Class | F |
| Design Code | L | KVA Code | H |
| Frame | 184TC | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | Manual | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6206 | Opp Drive End Bearing Size | 6205 |
| UL | Recognized (Not Protector) | CSA | Y |
| CE | Y | IP Code | 43 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|--------------------------------------|-----------------------|-----------------------------------|
| Electrical Type | Capacitor Start Capacitor Run | Starting Method | Across The Line |
| Poles | 4 | Rotation | Selective Counterclockwise |
| Resistance Main | 0 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | T | Overall Length | 14.96 in |
| Frame Length | 9.50 in | Shaft Diameter | 1.125 in |
| Shaft Extension | 2.88 in | Assembly/Box Mounting | F1 ONLY |
| Outline Drawing | 035585-950 | Connection Drawing | 005056.03ME |

035585

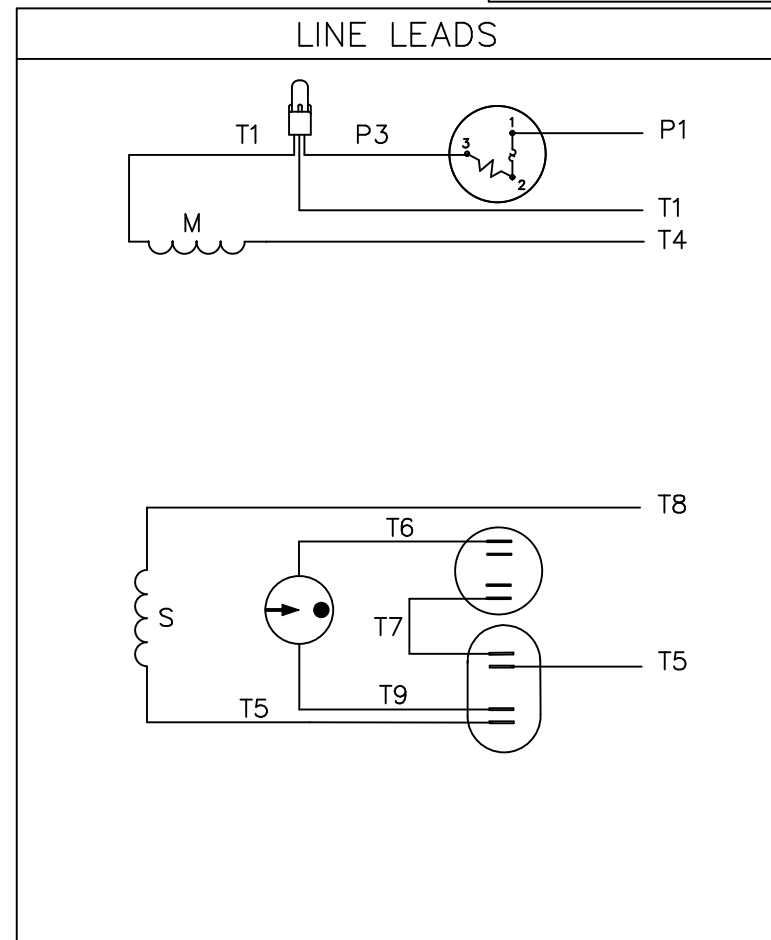
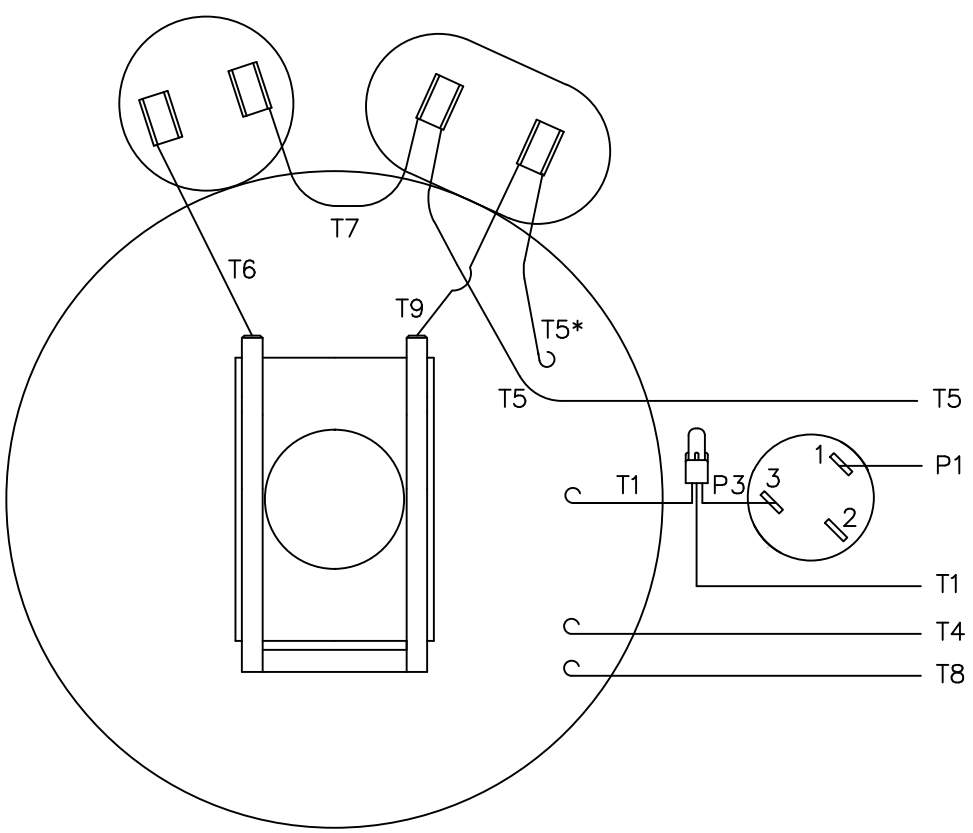


GASKETS THROUGHOUT
 MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

| DASH NO. | "C" | "AD" |
|----------|-------|------|
| 950 | 14.96 | 4.08 |
| 1000 | 15.46 | 4.58 |
| 1050 | 15.96 | 5.08 |
| 1100 | 16.46 | 5.58 |
| 1150 | 16.96 | 6.08 |
| 1200 | 17.46 | 6.58 |
| 1250 | 17.96 | 7.08 |
| 1300 | 18.46 | 7.58 |

| | | TOLERANCES UNLESS SPECIFIED | | REGAL TM Regal Beloit America, Inc. | | DRAWN KVN 10/15/2007 | | | |
|--|-------------------|-----------------------------|----------|--|--------|----------------------|------|-------------|------|
| | | DEC. | INCHES | | | CHK | | | |
| | | .X | ±.1 | TITLE | | SCALE 1=2 | | | |
| | | .XX | ±.03 | OUTLINE - 180T FRAME | | REF 035584 | | | |
| | | .XXX | ±.005 | TEFC - RIGID "C" | | FMF 184TBFW17032 | | | |
| A | DRAIN HOLES ADDED | KIR | 02/08/16 | SS | .XXXX | ±.0005 | PREV | | |
| NO. | REVISION | BY & DATE | CHK | ANG | FINISH | CAD FILE | SIZE | DRAWING NO. | REV. |
| | | | RFP | | | 035585 | B | 035585 | A |
| 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 | | | DIST | NLV | | | | | |

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



| | | | |
|--------------------------|----|--------|--------|
| ROTATION FACING LEAD END | L1 | L2 | JOIN |
| C.C.W. | P1 | T4, T5 | T1, T8 |
| C.W. | P1 | T4, T8 | T1, T5 |

* THIS LEAD MAY BE WHITE

| | | | | | | | |
|-----|----------|-----------------------------|--------|--|------|------------------|-------------|
| | | TOLERANCES UNLESS SPECIFIED | | REGAL-BELOIT <i>Motor Technologies</i> | | DRAWN LST 9/9/03 | |
| | | DEC. | INCHES | TITLE | | CHK KH 9/9/03 | |
| | | .X | ±.1 | EXTERNAL WIRING DIAGRAM | | APPD | |
| | | .XX | ±.01 | TYPE "K" W/ PROTECTOR | | SCALE 1=1 | |
| | | .XXX | ±.005 | MAT'L. DECAL - 004015 | | REF | |
| | | .XXXX | ±.0005 | FINISH | | FMF 139045 | |
| NO. | REVISION | BY & DATE | CHK | ANG | RFP | CAD FILE | DRAWING NO. |
| | | | | | | 00505603ME | 005056-03ME |
| | | | | | DIST | BRF-NLV | REV. |

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

CERTIFICATION DATA SHEET

Model#: 184TBFW7041 AA WINDING#: K8494 FR 2
 CONN. DIAGRAM: 005056.03ME ASSEMBLY: F1 ONLY
 OUTLINE: 035585-950

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN | | | |
|------------------------|-------------|--------------------|-----------|--------------------|--------------|-------------------|--------|-------------------|-----------|--------------|
| 3 | 2.24 | 1800 | 1755 | 184TC | TEFC | H | L | | | |
| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION | |
| 1 | 60 | 230 | 12.8 | ACROSS THE LINE | CONTINUOUS | F4 | 1.15 | 40 | 3300 | |
| FULL LOAD EFF: 81.5 | | 3/4 LOAD EFF: 79.9 | | 1/2 LOAD EFF: 74.5 | | GTD. EFF | | ELEC. TYPE | | NO LOAD AMPS |
| FULL LOAD PF: 94.5 | | 3/4 LOAD PF: 92.2 | | 1/2 LOAD PF: 89 | | 0 | | CAP START CAP RUN | | 3.8 |
| F.L. TORQUE | | LOCKED ROTOR AMPS | | L.R. TORQUE | | B.D. TORQUE | | F.L. RISE°C | | |
| 8.94 LB-FT | | 90 | | 23.5 LB-FT 263 | | 23.5 LB-FT 263 | | 65 | | |
| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS /HOUR | APPROX. MOTOR WGT | | | | |
| - dBA | - dBA | 0.147 LB-FT^2 | - 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 | POLYREX EM | T | NONE | NONE | AISI 1045 (C-240) | ROLLED STEEL |
| BALL | BALL | | | | | | |
| 6206 | 6205 | | | | | | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE /n HEATERS |
|-------------------|------------|----------|----------|-------------|---------|------------------|
| THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | NONE | FALSE | NONE VOLTS |
| NONE | MANUAL | NONE | NONE | | | |

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 06:07:30 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

230

Volts

HP 3

PHASE 1

Model No 184TBFW7041

60

HZ

VOLTS 230

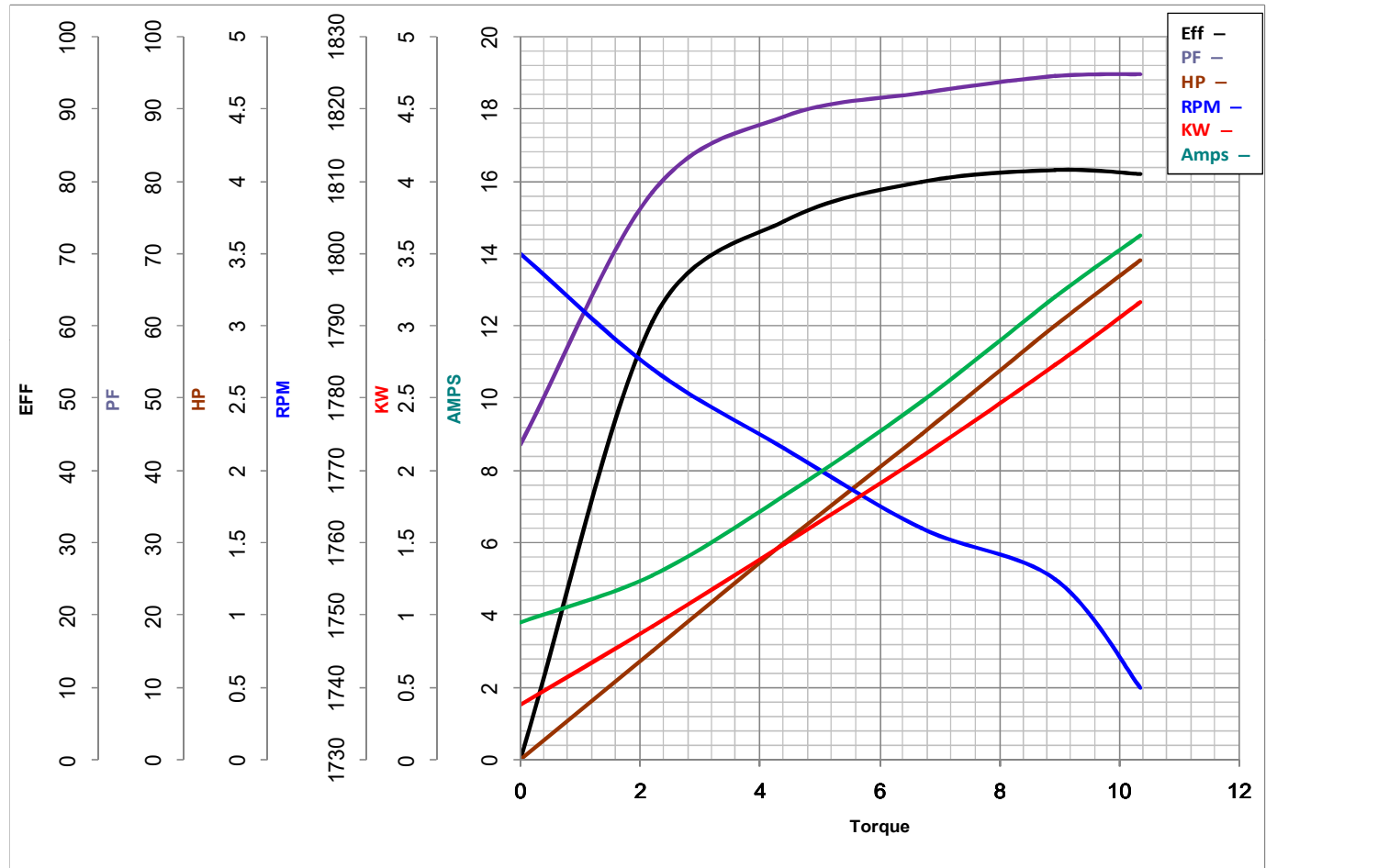
3

HP

HZ 60

RPM 1755

Catalog No I314A



Torque in Lb.Ft

FL TORQUE 8.94 Lb.Ft
BD TORQUE 23.5 Lb.Ft
LR TORQUE 23.5 Lb.Ft

FL AMPS 12.8
PU TORQUE 17.6 Lb.Ft
LR AMPS 90

WINDING K8494-2

Date 1/10/2019