

PRODUCT INFORMATION PACKET

Model No: 184TBDW7632

Catalog No: I131A

Pressure Washer Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 184T Frame, DP



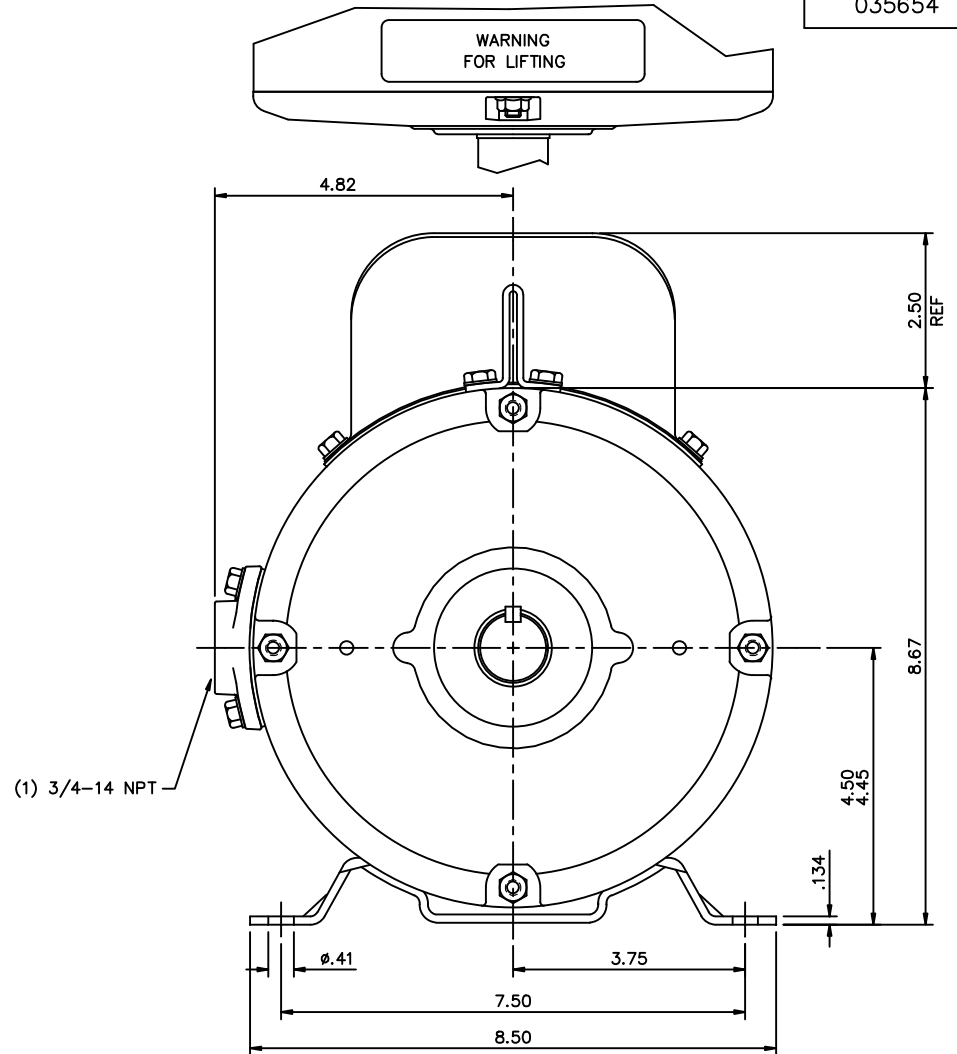
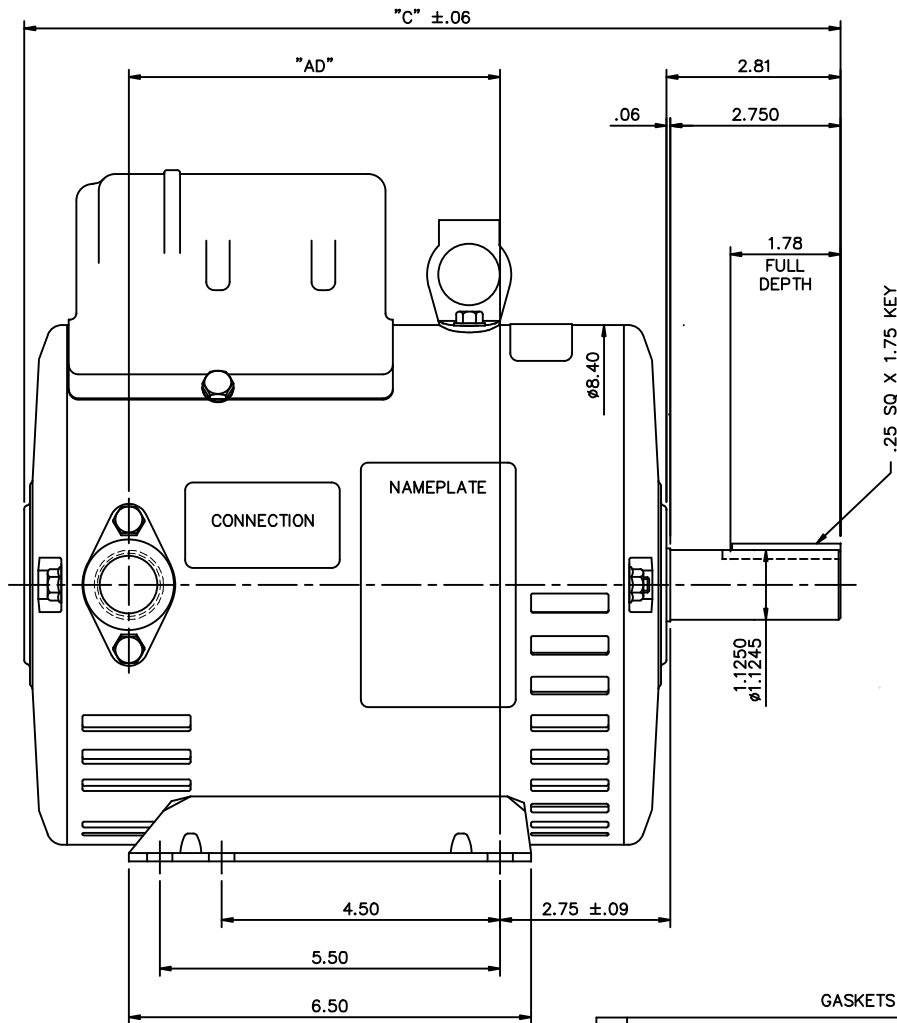
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Nameplate Specifications

| | | | |
|------------------------|-----------------------|----------------------------|-------------------|
| Output HP | 5 Hp | Output KW | 3.7 kW |
| Frequency | 60 Hz | Voltage | 208-230 V |
| Current | 22.0-20.0 A | Speed | 1750 rpm |
| Service Factor | 1.15 | Phase | 1 |
| Efficiency | 84 % | Power Factor | 98 |
| Duty | Continuous | Insulation Class | F |
| Design Code | NO DESIGN CODE | KVA Code | G |
| Frame | 184T | Enclosure | Drip Proof |
| Thermal Protection | No Protection | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6206 | Opp Drive End Bearing Size | 6205 |
| UL | Recognized | CSA | Y |
| CE | N | IP Code | 22 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|--------------------------------------|-----------------------|----------------------------|
| Electrical Type | Capacitor Start Capacitor Run | Starting Method | Across The Line |
| Poles | 4 | Rotation | Selective Clockwise |
| 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 | 15.19 in |
| Frame Length | 11.00 in | Shaft Diameter | 1.125 in |
| Shaft Extension | 2.81 in | Assembly/Box Mounting | F1 ONLY |
| Connection Drawing | 005018.01ME | Outline Drawing | 035654-1100 |



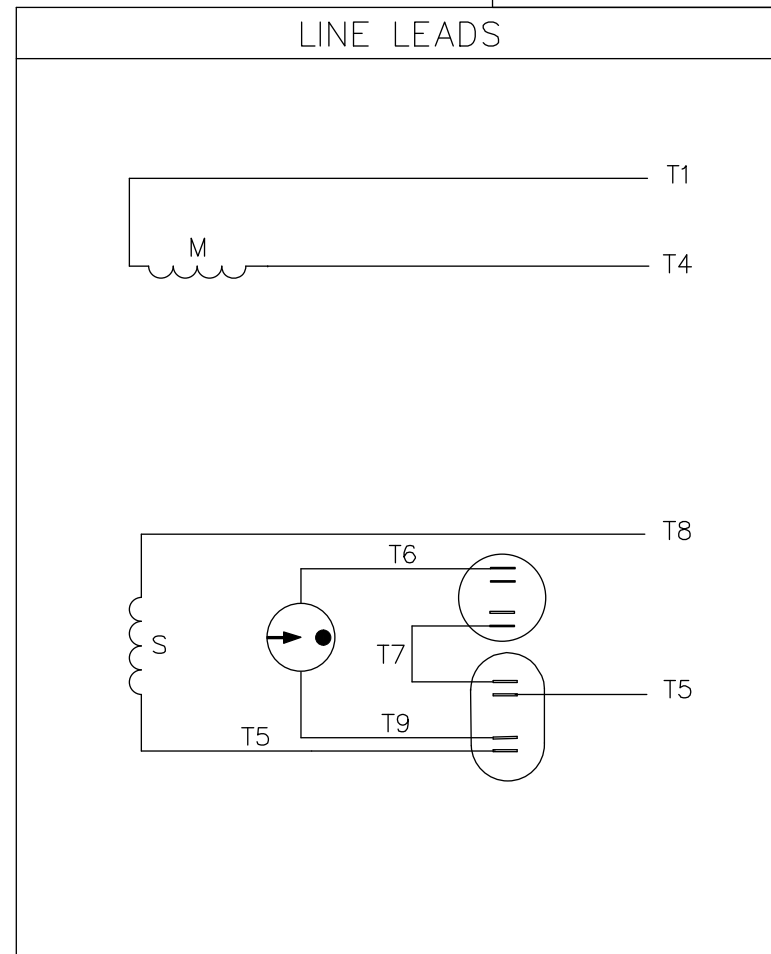
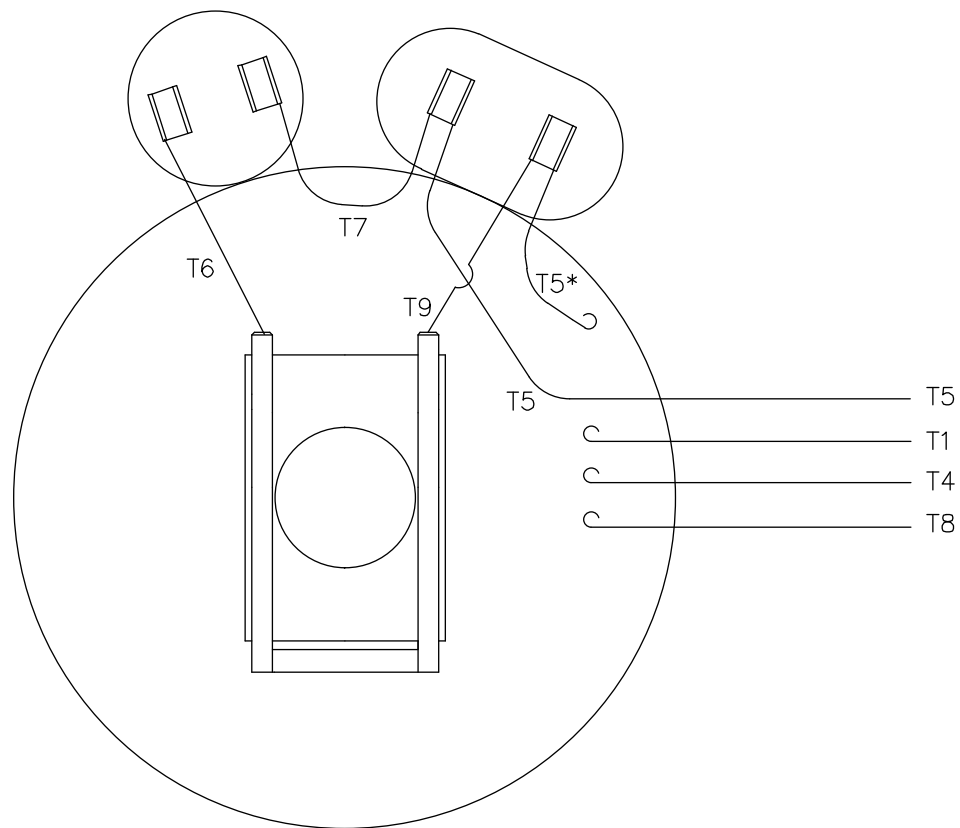
| DASH NO. | "C" | "AD" |
|----------|-------|------|
| 900 | 13.19 | 5.75 |
| 950 | 13.69 | 6.25 |
| 1000 | 14.19 | 6.75 |
| 1050 | 14.69 | 7.25 |
| 1100 | 15.19 | 7.75 |
| 1150 | 15.69 | 8.25 |

| REVISION | | BY & DATE | CHK | ANG | FINISH | DRAWING NO. | | REV. |
|----------|--------------------------------------|---------------|-----|-----|--------|-------------|--------|------|
| A | REMOVED THE LEADS COMING OUT FROM F1 | VV 11/14/2008 | | | | B | 035654 | A |
| NO. | | | | | | DRAWING NO. | | |
| | | | | | | 035654 | | |
| | | | | | | DRAWING NO. | | |
| | | | | | | 035654 | | |

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| TOLERANCES UNLESS SPECIFIED | | MARATHON ELECTRIC | | DRAWN | |
|-----------------------------|--------|---------------------|--------|-----------------|---|
| DEC. | INCHES | TITLE | | VV 03/12/08 | |
| .X | ±.1 | OUTLINE- 180T FRAME | | CHK | |
| .XX | ±.03 | DRIP PROOF- RIGID | | APPD | |
| .XXX | ±.005 | SCALE 1=2 | | REF 035472 | |
| .XXXX | ±.0005 | MAT'L | | FMF 184TCDW7026 | |
| RFP | 6/5/03 | CAD FILE | 035654 | SIZE | B |
| DIST | | | | | |

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 | | | DRAWN RDW 6/5/03 CHK APPD SCALE 1=1 REF 005018 FMF 139047 PREV | | | | | |
|-----|----------|-----------------------------|--------|--------|--|----------|------------|----------------|-------------|------|
| | | DEC. | INCHES | | | | | | | |
| | | .X | ±.1 | | | | | | | |
| | | .XX | ±.01 | | | | | | | |
| | | .XXX | ±.005 | | | | | | | |
| | | .XXXX | ±.0005 | | | | | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±1/2' | FINISH | TITLE | DECAL - 004018 | | |
| | | | RFP | 6/5/03 | | CAD FILE | 00501801ME | SIZE | DRAWING NO. | REV. |
| | | | DIST | | | | | A | 005018-01ME | |

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CERTIFICATION DATA SHEET

Model#: 184TBDW7632 AA **WINDING#:** K84104 NONE 2
CONN. DIAGRAM: 005018.01ME **ASSEMBLY:** F1 ONLY
OUTLINE: 035654-1100

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|----|-----|-----------|----------|-------|-----------|----------|----------------|
| 5 | 3.7 | 1800 | 1750 | 184T | DP | G | NO DESIGN CODE |

| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION |
|----|----|---------|---------|-----------------|------------|------|------|-------|-----------|
| 1 | 60 | 208-230 | 22-20 | ACROSS THE LINE | CONTINUOUS | F4 | 1.15 | 40 | 3300 |

| FULL LOAD EFF: 84 | 3/4 LOAD EFF: 84.3 | 1/2 LOAD EFF: 80.8 | GTD. EFF | ELEC. TYPE | NO LOAD AMPS |
|-------------------|--------------------|--------------------|----------|-------------------|--------------|
| FULL LOAD PF: 98 | 3/4 LOAD PF: 96.6 | 1/2 LOAD PF: 94.3 | 81.5 | CAP START CAP RUN | 2.9 |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|----------------|--------------|-------------|
| 15 LB-FT | 131.5 | 34.9 LB-FT 233 | 39 LB-FT 260 | 60 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS /HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|------------|-----------|-----------------|--------------|-------------------|
| - dBA | - dBA | 0 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 |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|---------------|
| STANDARD | 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 | T | NONE | NONE | AISI 1045 (C-240) | ROLLED STEEL |
| 6206 | 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

*
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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: 07/08/2017 12:46:51 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 5.00

PHASE 1

Model No 184TBDW7632

60

HZ

VOLTS 208-230

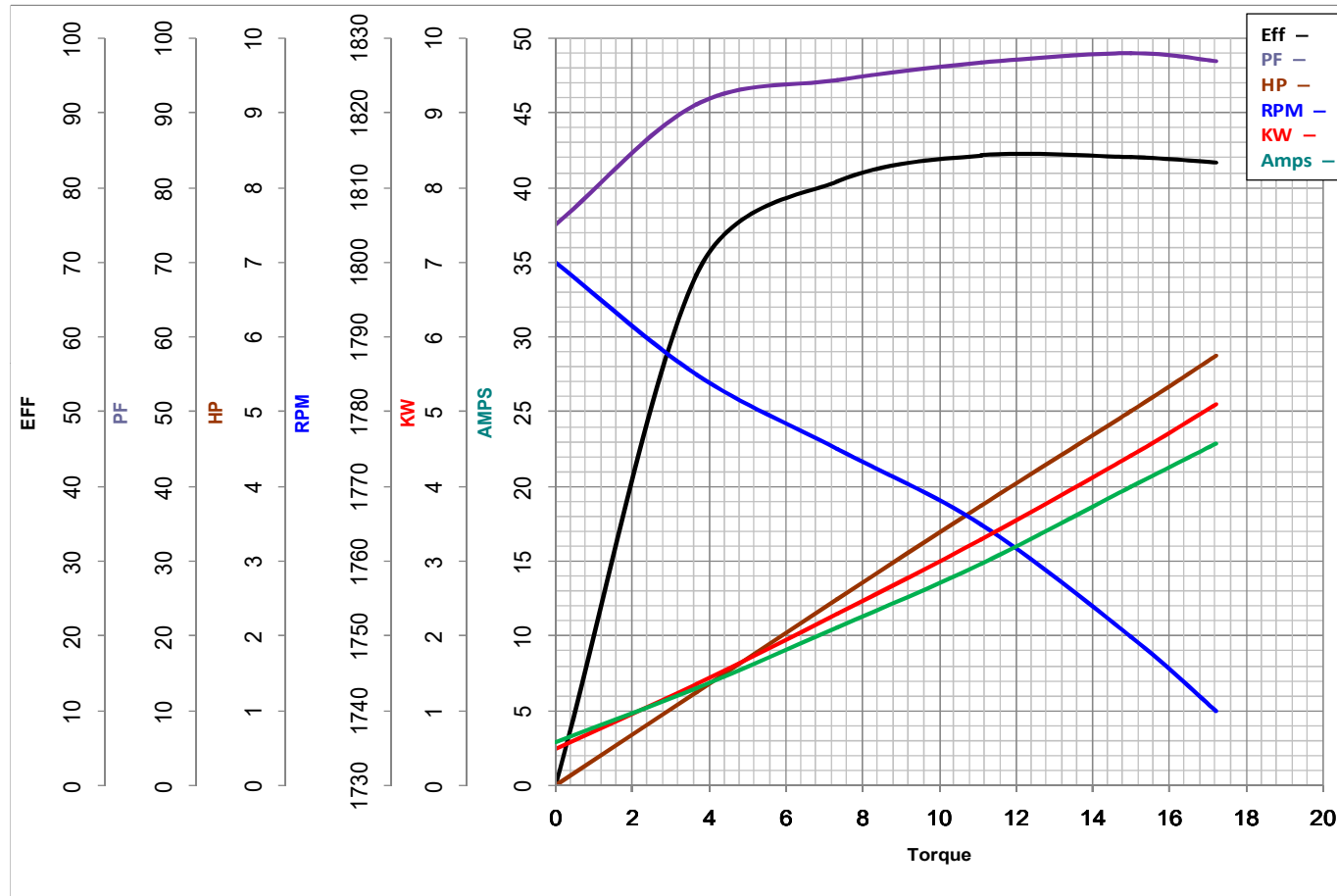
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HP

Catalog No I131A

HZ 60

RPM 1750



| | | | | | |
|-----------|-------------|-------|-----------|------------------|-------|
| | | | | Torque in Lb.Ft | |
| FL TORQUE | <u>15</u> | Lb.Ft | FL AMPS | <u>22-20</u> | |
| BD TORQUE | <u>39.0</u> | Lb.Ft | PU TORQUE | <u>29.3</u> | Lb.Ft |
| LR TORQUE | <u>34.9</u> | Lb.Ft | LR AMPS | <u>131.5</u> | |
| WINDING | K84104-2 | | Date | <u>1/10/2019</u> | |