ABB BALDOR RELIANCE

# Customer information packet

YPC144A

.25HP, 1625RPM, 1PH, 60HZ, 48YZ, 3408C, TEAO, F
Class - None
Division - Not Applicable

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## Specifications

| | |
|---|---|
| **Enclosure** | TEAO |
| **Frame** | 48YZ |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | None |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Oil Capacitor Start and Run |
| **Output @ Frequency** | .250 HP @ 60 HZ |
| **Phase** | 1 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 115.0 V @ 60 HZ |
| **Agency Approvals** | CSA |
| | UR |
| **Ambient Temperature** | 40 °C |
| **Auxiliary Box** | NO AUXILLARY BOX |
| **Auxiliary Box Lead Termination** | None |
| **Base Indicator** | Yoke Pedestal |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Blower** | None |
| **Current @ Voltage** | 2.500 A @ 115.0 V |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 67.0 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Face Code** | Terminal Panel |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 2.5 a |
| **Insulation Class** | B |
| **Inverter Code** | Not Inverter |
| **KVA Code** | - |

## Part Detail

| | |
|---|---|
| **Revision** | H |
| **Type** | AC |
| **Mech. spec.** | 34M195 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 34WGR234 |
| **Layout** | 34LYM195 |
| **Eff. date** | 10-28-2024 |
| **CD Diagram** | CD0798 |
| **Poles** | 04 |
| **Leads** | 5#18 |
| **Proprietary** | False |
| **Created date** | 10-17-2014 |

| | |
|---|---|
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Motor Lead Exit** | Terminal Panel Or Lead Hole |
| **Motor Lead Quantity/Wire Size** | 5 @ 18 AWG |
| **Motor Lead Termination** | None |
| **Motor Standards** | NEMA |
| **Motor Type** | 3408C |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 10.68 IN |
| **Power Factor** | 98 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **RoHS Status** | ROHS COMPLIANT |
| **Service Factor** | 1.00 |
| **Shaft Diameter** | 0.500 IN |
| **Shaft Extension Location** | Pulley End |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible: Connected Standard |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 1625 rpm |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | None |
| **Vibration Sensor Indicator** | No Vibration Sensor |
| **Winding Thermal 1** | Automatic Thermal Overload |
| **Winding Thermal 1 Location** | WG |

**Nameplate**

| NP1257L | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | YPC144A | | | | | | | |
| **SPEC.** | 34M195R234G1 | | | | | | | |
| **HP** | .25 | | | | | | | |
| **VOLTS** | 115 | | | | | | | |
| **AMP** | 2.5 | | | | | | | |
| **RPM** | 1625 | | | | | | | |
| **FRAME** | 48YZ | **HZ** | 60 | **PH** | 1 | | | |
| **SER.F.** | 1.00 | **CODE** | - | **DES** | - | **CL** | B | |
| **NEMA-NOM-EFF** | 67 | **PF** | 98 | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | |
| **CC** | | | | | | | | |
| **DE** | 6203 | **ODE** | 6203 | | | | | |
| **ENCL** | TEAO | **SN** | | | | | | |

**AC Induction Motor Performance Data**
Record # 51597
Typical performance - not guaranteed values

| **Winding:** 34WGR234-R001 | **Type:** 3408C | **Enclosure:** TEAO |
|---|---|---|

| **Nameplate Data** | | | | **115 V, 60 Hz: Single Voltage Motor** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | .25 | **Full Load Torque** | 0.814 LB-FT |
| **Volts** | | | 115 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 2.5 | **Breakdown Torque** | 1.13 LB-FT |
| **R.P.M.** | | | 1625 | **Pull-up Torque** | 0.321 LB-FT |
| **Hz** | 60 | **Phase** | 1 | **Locked-rotor Torque** | 0.42 LB-FT |
| **NEMA Design Code** | - | **KVA Code** | - | **Starting Current** | 6.76 A |
| **Service Factor (S.F.)** | | | 1 | **No-load Current** | 1.32 A |
| **NEMA Nom. Eff.** | 67 | **Power Factor** | 98 | **Line-line Res. @ 25ºC** | 7.7557 Ω A Ph<br>12.585 Ω B Ph |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | |

**Load Characteristics 115 V, 60 Hz, 0.25 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** |
|---|---|---|---|---|---|
| **Power Factor** | 87 | 93 | 97 | 98 | 99 |
| **Efficiency** | 36.8 | 56.6 | 66.1 | 69.5 | 66.1 |
| **Speed** | 1777.1 | 1755.2 | 1724.3 | 1677.2 | 1609 |
| **Line amperes** | 1.43 | 1.65 | 2 | 2.46 | 3.09 |

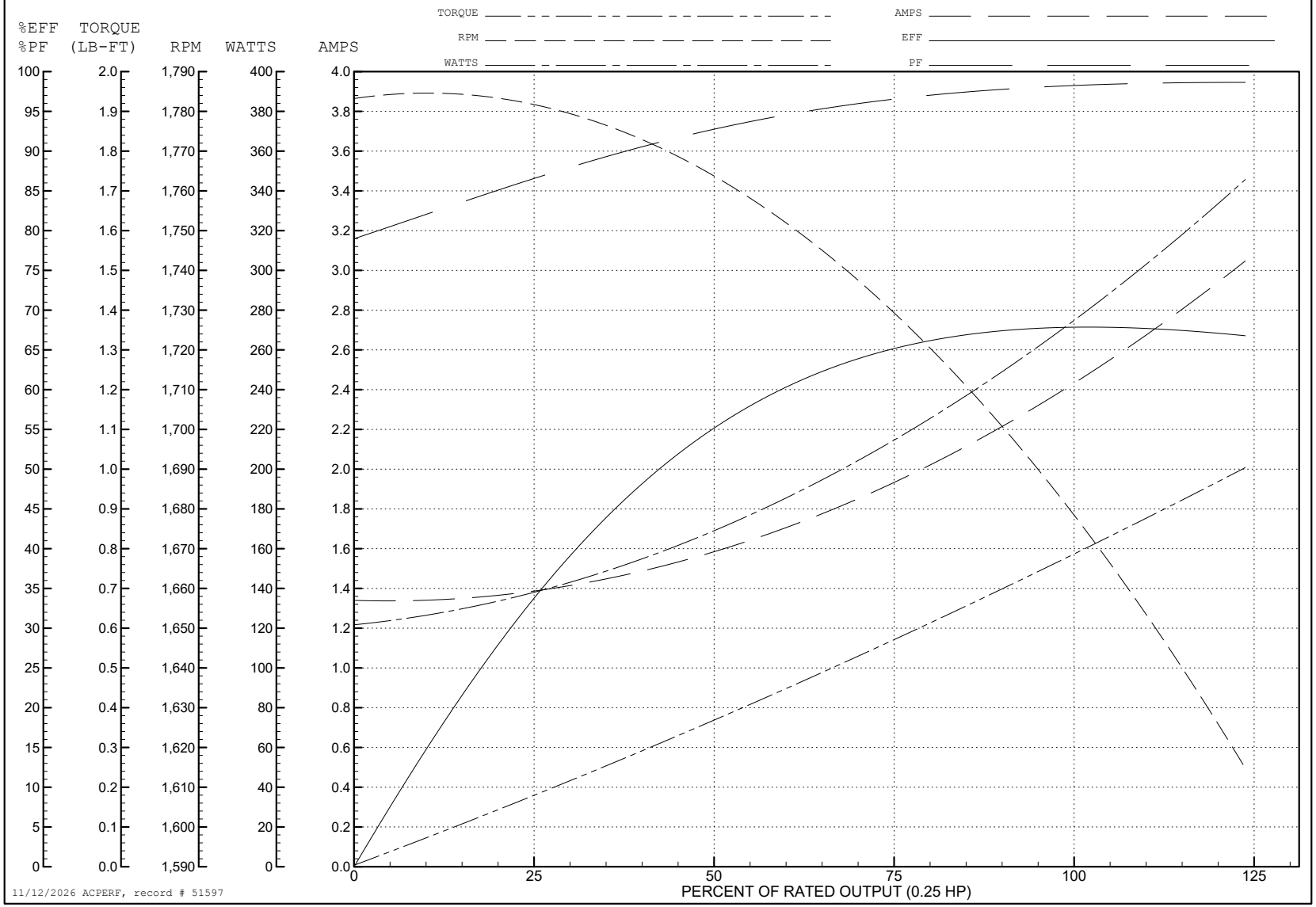
ABB Motors and Mechanical Inc.

WINDING # 34WGR234

0.25 HP 1 PH 60 HZ 1625 RPM 115 V 3408C

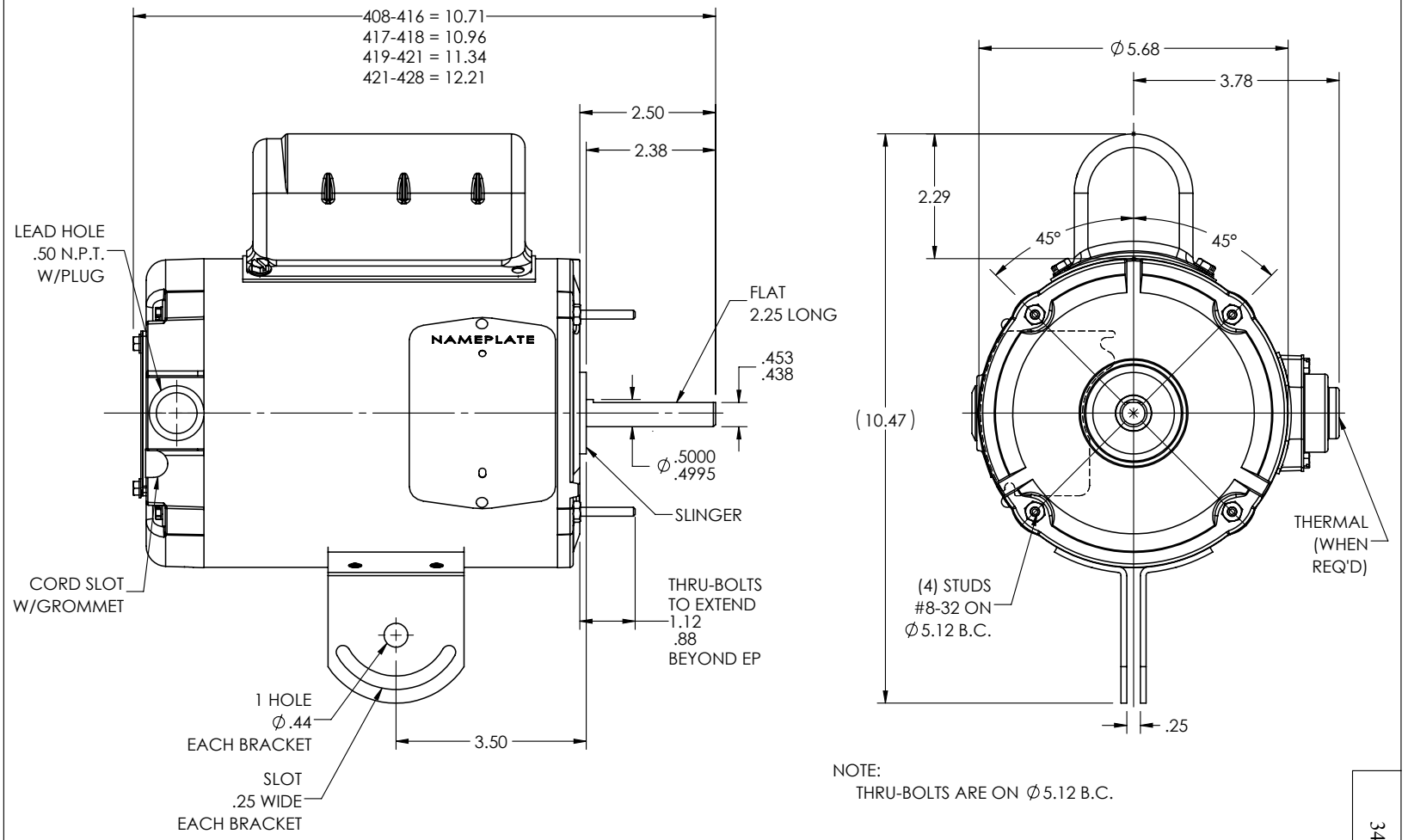
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=1.13 PU=0.321 LR=0.42 LRA=6.76




11/12/2026 ACPERF, record # 51597

34LYM195




NOTE:
THRU-BOLTS ARE ON Ø 5.12 B.C.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

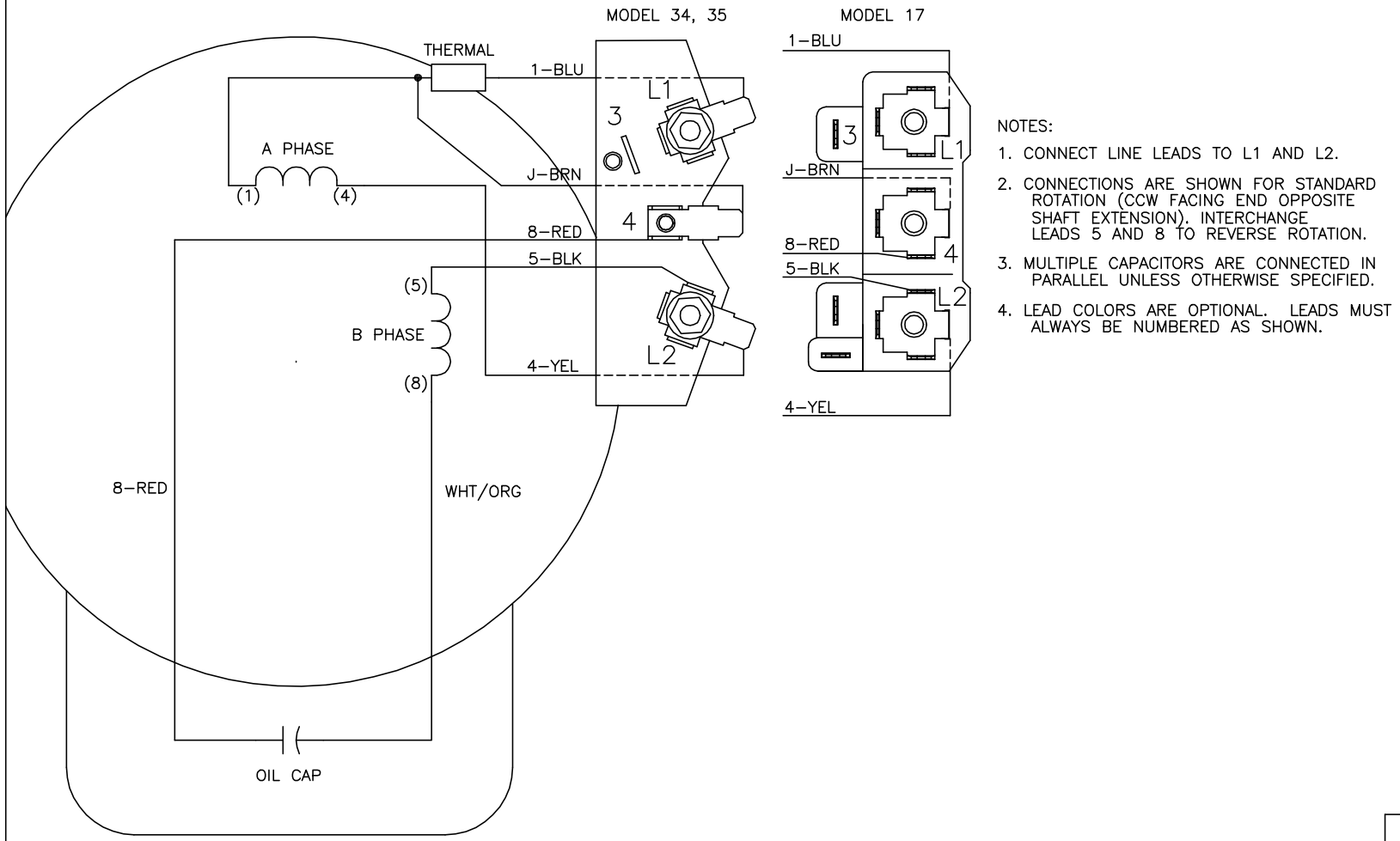
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|---|---|---|---|
| REV. DESC: LOAD TO SOLIDWORKS - REV "-" | | | |
| REV: A | VERSION: 01 | REVISED: 03:23:49 05/19/2023 | TDR: 000001201165 |
| 34LYM195 | MODEL NO. 34LYM195 | | REF: - |
| | BY: ENFRAJ0 | | |

BALDOR - RELIANCE®

PED MOUNT 34C NEMA 48YZ TEAO TERM PANEL, EXT TBLTS

34LYM195

CD0798




NOTES:

1. CONNECT LINE LEADS TO L1 AND L2.
2. CONNECTIONS ARE SHOWN FOR STANDARD ROTATION (CCW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE LEADS 5 AND 8 TO REVERSE ROTATION.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0798

| | | | |
|---|---|---|---|
| REV. DESC: OMIT (WHT/BLU) MARKER | | | BALDOR ELECTRIC Co. |
| REV. LTR: D | BY: MEM | REVISED: 10:36:40 11/25/2002 | TDR: 288036 |
| CD0798 | | FILE: AAA00007314 | REF: CD0798 |
| | | MTL: – | TYPE C, SV, REV, THERMAL (T'STAT IN LINE), TERM PLATE |