# Specification Data Sheet - EZBoiler® EZB-T1* Series

## STANDARD EQUIPMENT

EZB-T1-*

- kW output 20 to 36 kW
- Btu/h output 68,200 to 122,800 Btu/h
- Thermostat or end switch connection (R and W)
- Dry contact for load control (off-peak, TOU) or low water cutoff
- Dual Fuel or Energy Selector Switch
- Complete packaged system including pre-installed pump, air eliminator and expansion tank
- LED indicator lights
- Redundant safety limit controls
- 100% safe and efficient
- Compatible with Electro Industries' Zone Controls
- ETL/Intertek listed
- ASME H-Stamp Vessel (Built in accordance to ASME Section IV)
- 20-Year Vessel and Element Warranty

## WATER FLOW REQUIREMENTS (MINIMUM 2 GPM WATER FLOW THROUGH BOILER)

| Model | Water Temperature Rise | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Flow - 10° F/6° C | | Head Loss | | Flow - 20° F/11° C | | Head Loss | | Flow - 30° F/16° C | | Head Loss | |
| | gpm | lpm | ft | m | gpm | lpm | ft | m | gpm | lpm | ft | m |
| EZB-T1-20-240-1 | 13.65 | 51.66 | .07 | .02 | 6.82 | 25.01 | .02 | .006 | 4.55 | 17.22 | .01 | .003 |
| EZB-T1-24-240-1 | 16.38 | 62.00 | .100 | .03 | 8.49 | 32.13 | .025 | .007 | 5.46 | 20.66 | .01 | .003 |
| EZB-T1-28-240-1 | 19.11 | 72.33 | .136 | .04 | 9.56 | 36.13 | .034 | .010 | 6.37 | 24.11 | .015 | .004 |
| EZB-T1-32-240-1 | 21.85 | 82.71 | .177 | .05 | 10.92 | 41.33 | .044 | .013 | 7.28 | 27.55 | .019 | .005 |
| EZB-T1-36-240-1 | 24.58 | 93.04 | .223 | .06 | 12.29 | 46.51 | .056 | .017 | 8.19 | 31.00 | .025 | .007 |

Note: Head Loss based on 110° F return temperature.

## ELECTRIC SUPPLY

| Model | Volts | Phase | kW | Watts | Btu/h | Amps | CB† |
|---|---|---|---|---|---|---|---|
| EZB-T1-20-240-1 | 240/208 | 1 | 20/15 | 20,000/15,000 | 68,200/51,150 | 83.3/72 | 60A + 60A |
| EZB-T1-24-240-1 | 240/208 | 1 | 24/18 | 24,000/18,000 | 82,000/62,000 | 100/87 | 80A + 60A |
| EZB-T1-28-240-1 | 240/208 | 1 | 28/21 | 28,000/21,000 | 96,000/72,000 | 117/101 | 80A + 80A |
| EZB-T1-32-240-1 | 240/208 | 1 | 32/24 | 32,000/24,000 | 109,000/82,000 | 133/115 | 100A + 80A |
| EZB-T1-36-240-1 | 240/208 | 1 | 36/27 | 36,000/27,000 | 122,868/92,000 | 150/130 | 100A + 100A |

| | | | |
|---|---|---|---|
| Circulating Pump, all boiler models | 120V 60 Hz | 0.54 Amps | 10A CB |

† Canadian models include single feed bus option where applicable.

## CLEARANCES

| | MINIMUM CLEARANCE | | SUGGESTED MINIMUM SERVICE CLEARANCE | |
|---|---|---|---|---|
| LEFT SIDE | 1 INCH | 26 MM | 12 INCHES | 305 MM |
| RIGHT SIDE | 1 INCH | 26 MM | 12 INCHES | 305 MM |
| BACK | REQUIRED CLEARANCE - 0 INCHES/0 MM | | | |
| FRONT | REQUIRED CLEARANCE - 6 INCHES/153 MM | | | |
| TOP | REQUIRED CLEARANCE - 14 INCHES/356 MM | | | |
| BOTTOM | REQUIRED CLEARANCE - 14 INCHES/356 MM | | | |
| SURROUNDING AMBIENT TEMPERATURE MUST NOT EXCEED 90°F/32°C. | | | | |

## WEIGHT

| Model | Weight (lbs) | Model | Weight (lbs) |
|---|---|---|---|
| EZB-T1-20-240-1 | 178 | EZB-T1-32-240-1 | 187 |
| EZB-T1-24-240-1 | 181 | EZB-T1-36-240-1 | 190 |
| EZB-T1-28-240-1 | 184 | | |

Intertek

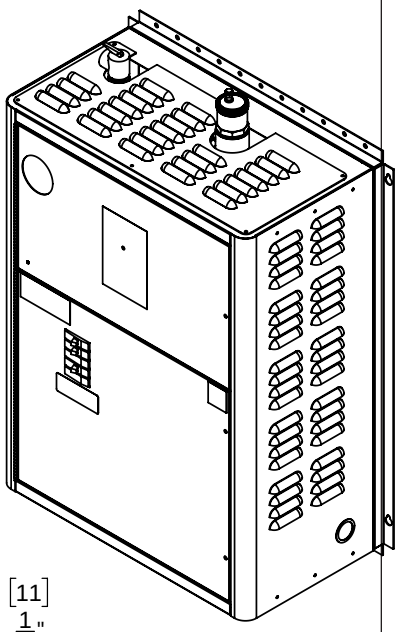
All specifications subject to ELECTRO INDUSTRIES STANDARD TERMS AND CONDITIONS, download at www.electromn.com/terms.pdf.

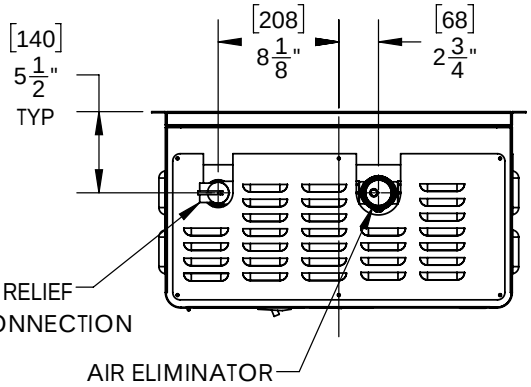
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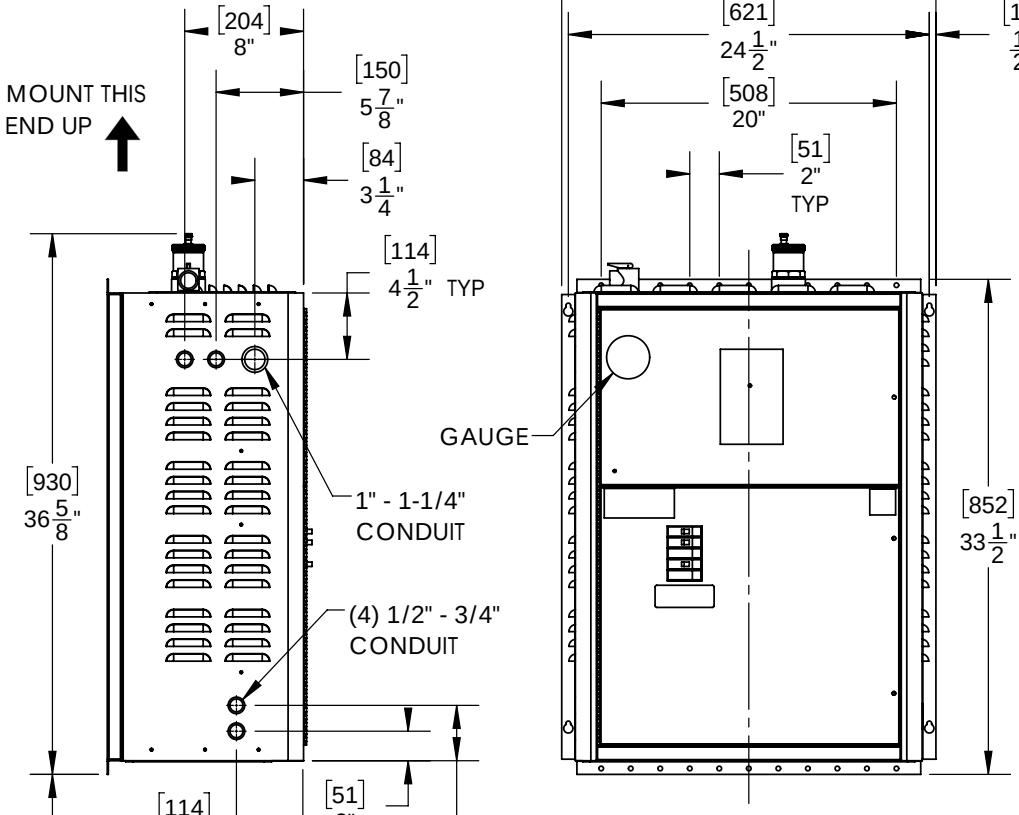
ELECTRO INDUSTRIES

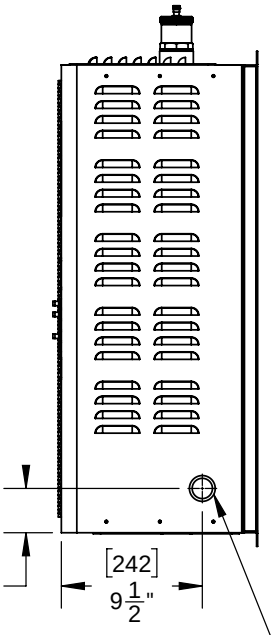
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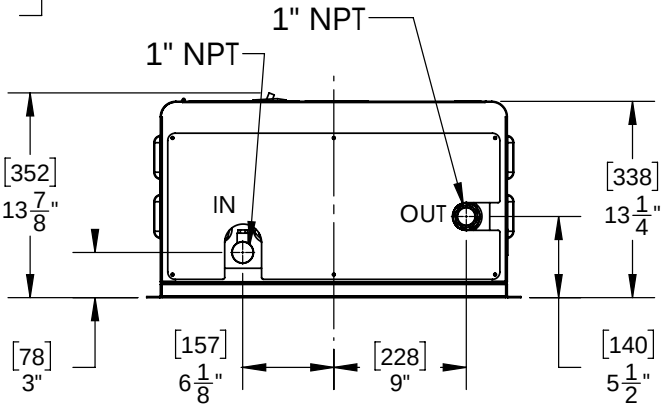
DIMENSIONS ARE: [mm]
IN.






1 MINIMUM CLEARANCE FROM FLOOR 14".