

# Specification Data Sheet - Mini EZBoiler® Series

## STANDARD EQUIPMENT

### Staging - EZB-R1\*

- kW output 1.1 to 9 kW
- Btu/h output 3,700 to 30,700 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
- Circulator switching relay – 10-amp maximum
- LED indicator lights
- Redundant safety limit controls
- 100% safe and efficient
- ETL/Intertek listed

- ASME H-Stamp Vessel (Built in accordance to ASME Section IV)
- Conforms to: UL STD.UL834/Certified to: CSA STD.C22.2#165
- 20-Year Vessel and Element Warranty

### Modulating - EZB-M2\*

- Same as EZB-R1\* *PLUS*
- kW output 1.1 to 12 kW
- Btu/h output 3,700 to 41,000 Btu/h
- Full element modulation for precise temperature control and energy savings
- Outdoor reset capability (optional)
- Two temperature zone capability with single zone priority control

## WATER FLOW REQUIREMENTS (MINIMUM 0.3 GPM PER KW 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-**-01 | .75                    | 2.83  | .008      | .002 | .37                | 1.39  | .002      | .001 | .25                | 1.89 | .001      | .000 |
| EZB-**-03 | 1.7                    | 6.43  | .043      | .013 | .85                | 3.21  | .010      | .003 | .56                | 2.11 | .005      | .001 |
| EZB-**-05 | 3.07                   | 11.60 | .139      | .042 | 1.53               | 5.78  | .035      | .011 | 1.02               | 3.85 | .015      | .005 |
| EZB-**-07 | 4.78                   | 18.06 | .336      | .102 | 2.39               | 9.03  | .084      | .026 | 1.59               | 6.01 | .038      | .011 |
| EZB-**-09 | 6.14                   | 23.20 | .554      | .169 | 3.07               | 11.60 | .139      | .042 | 2.04               | 7.71 | .062      | .019 |
| EZB-M2-12 | 7.8                    | 29.53 | .987      | .301 | 3.92               | 14.84 | .246      | .075 | 2.6                | 9.84 | .109      | .033 |

\* = R1 or M2 Note: Head Loss based on 120° F supply temperature.

## ELECTRIC SUPPLY

| Model     | Volts   | Phase | kW     | Watts        | Btu/h         | Amps      | CB      |
|-----------|---------|-------|--------|--------------|---------------|-----------|---------|
| EZB-**-01 | 120     | 1-60  | 1.1    | 1,100        | 3,753         | 9.2       | N/A     |
| EZB-**-03 | 120     | 1-60  | 2.5    | 2,500        | 8,530         | 20.8      | N/A     |
| EZB-**-05 | 240/208 | 1-60  | 5/3.7  | 5,000/3,750  | 17,065/12,798 | 18.8/16.3 | 30A     |
| EZB-**-07 | 240/208 | 1-60  | 7/5.3  | 7,000/5,300  | 23,884/18,088 | 29.2/25.3 | 45A     |
| EZB-**-09 | 240/208 | 1-60  | 9/7.0  | 9,000/7,000  | 30,708/23,891 | 37.5/32.5 | 60A     |
| EZB-M2-12 | 240/208 | 1-60  | 12/8.6 | 12,000/8,600 | 40,944/30,759 | 50.0/43.3 | 45A,45A |

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

\* = R1 or M2

## CLEARANCES

|        | MINIMUM CLEARANCE |       | SUGGESTED MINIMUM SERVICE CLEARANCE |        |
|--------|-------------------|-------|-------------------------------------|--------|
| LEFT   | 1 INCH            | 26 MM | 12 INCHES                           | 305 MM |
| RIGHT  | 1 INCH            | 26 MM | 12 INCHES                           | 305 MM |
| BACK   | 0 INCHES          | 0 MM  | 0 INCHES                            | 0 MM   |
| FRONT  | 1 INCH            | 26 MM | 21 INCHES                           | 534 MM |
| TOP    | 1 INCH            | 26 MM | 14 INCHES                           | 356 MM |
| BOTTOM | 1 INCH            | 26 MM | 14 INCHES                           | 356 MM |

**SURROUNDING AMBIENT TEMPERATURE MUST NOT EXCEED 90°F/32°C**

## UNIT WEIGHT

| Model     | Weight (lbs) | Model     | Weight (lbs) |
|-----------|--------------|-----------|--------------|
| EZB-**-01 | 111          | EZB-**-07 | 111          |
| EZB-**-03 | 111          | EZB-**-09 | 111          |
| EZB-**-05 | 111          | EZB-M2-12 | 111          |

\* = R1 or M2



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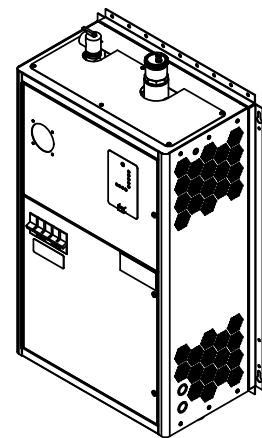
3/6/2026

# ELECTRO INDUSTRIES

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BL606

DIMENSIONS ARE: [mm]  
IN.



|          |          |                                                                                                                                                                                                                                                    |       |                                                                                    |                                                                             |            |                 |             |     |
|----------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------|-----------------|-------------|-----|
| NAME     | DATE     | ALL DIMENSIONS ARE IN INCHES<br>TOLERANCES AS SHOWN OR:<br>TWO-PLACE DECIMAL: ±.020<br>THREE-PLACE DECIMAL: ±.010                                                                                                                                  | SCALE | DESCRIPTION<br><br>MINI EZB (M2/R1)<br>1kW - 12kW 120V - 240V<br>ARCAT CAD DETAILS | <div>ELECTRO INDUSTRIES</div> <div>Monticello, MN 55362 (763)295-4138</div> | MATERIAL   |                 | FINISH      |     |
| DRAWN    | 10/31/24 |                                                                                                                                                                                                                                                    | 1:12  |                                                                                    |                                                                             | -          |                 | -           |     |
| CHECKED  |          |                                                                                                                                                                                                                                                    |       |                                                                                    |                                                                             | PROJECT    |                 | PART NUMBER |     |
|          |          |                                                                                                                                                                                                                                                    |       |                                                                                    |                                                                             | -          |                 | -           |     |
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|          |          |                                                                                                                                                                                                                                                    |       |                                                                                    | DO NOT SCALE DRAWING                                                        | Production | A               | BX604       | 1/1 |