



Order No. X-CDFI500-PRO
Model No. CDFI500-PRO

Notes:

Section 10309 - Manufactured Electric Fireplaces

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Manufactured electric fireplaces.
- B. Accessories

1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Wood framed rough opening and enclosure.

1.3 REFERENCES

- A. UL - 2021
- B. CSA - C22.2 No. 46

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- D. Manufacturer's warranty.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect materials from exposure to moisture. Do not deliver until after wet work is complete and dry.

1.6 WARRANTY

- A. Provide the manufacturer's 2-year limited warranty on electrical components.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Pre-fabricated Electric Fireplace:
 - 1. Base: Dimplex Electric Fireplace
Glen Dimplex Americas
1367 Industrial Road
Cambridge ON N3H 4W3
1-888-346-7539
www.dimplex.com
 - 2. Substitutions not permitted
 - 3. Requests for substitutions will be considered in accordance with provisions of Section 01600.



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2.2 ELECTRIC FIREPLACES

A. General:

1. Provide all components and accessories required for a complete, functional unit.
2. UL or CSA listed.

B. Pre-fabricated Electric Fireplace:

1. Base Product:

- a) Dimplex Electric Fireplace, includes:
- b) Material Number: CDFI500-PRO
- c) Regulatory model number: 6909660400

2. Description: Optimyst Pro Cassette, 20" Water vapor flame effect

3. Dimensions:

w/ Media Plate

- a) Width: 20-1/8" / 50.8 cm
- b) Height: 9-1/2" / 24.1 cm
- c) Depth: 12" / 30.5 cm

w/ Logset

- d) Width: 20-1/8" / 50.8 cm
- e) Height: 15-1/4" / 38.7 cm
- f) Depth: 14" / 35.5 cm

4. Framing Dimensions:

w/ Media Plate

- a) Width: 20-3/8" / 51.8 cm
- b) Height: 9-1/2" / 24.1 cm
- c) Depth: 12-1/4" / 31.1 cm

w/ Logset

- d) Width: 20-3/8" / 51.8 cm
- e) Height: 9-1/2" / 24.1 cm
- f) Depth: 14-1/4" / 36.2 cm

**note: multiple units can be installed in a linear configuration*

5. Electrical:

- a) Volts: 120 V
- b) Watts: 230 W
- c) Amps: 1.9

6. Venting: Non-venting

CAUTION: When determining a location for the Optimyst Pro Cassette, ensure that the unit will not be susceptible to drafts, vents, ceiling fans and other air currents. Similar to a candle, large movements of air will affect the unit's ability to create and maintain the flame effect.



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- 7. Operation: Flame only, (no heat)
- 8. Heating: N/A
- 9. Standard features:
 - a) Patented 3D flame effect produced by LED lights and fine mist
 - b) Optional plumbing connection for continuous water supply
 - c) Overflow sensor to automatically shutting off water supply to prevent leaks
 - d) Adjustable flame volume control
 - e) Safe, cool-touch surfaces, ideal for residential and commercial applications
 - f) Multiple units can be connected together in series
- 11. Control options:
 - a) Direct wired to 120V circuit
 - b) Optional plug kit available
 - c) Multi-functional remote
 - d) Bluetooth receiver with manual controls
 - e) Built-in controls
- 12. Optional Accessories:
 - a) Log kit media – CDFILOG
 - b) Driftwood Media Kit – CDFI500-DWSKIT
 - c) River Rock Media Kit – CDFI500-RVRCK
 - d) Black Rock Media Kit – CDFI500-BLKRCK
 - e) Plumb kit for continuous water supply – CDFIPLUMB-KIT
 - f) Plug kit – CDFI-PLUGKIT
 - g) Air Intake Grille - X-00275
 - h) Optimyst Heater - CDFI-TMHEAT

PART 3 EXECUTION

3.1 INSPECTION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Verify proper power supply and fuel source are available.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.



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3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions and requirements of authorities having jurisdiction.
- B. Use manufacturer's guidelines for minimum clearances to combustibles, walls, and finishes.
- C. Anchor all components firmly in position for long life under hard use.
- D. Upon completion of installation, visually inspect all exposed surfaces. Touch up scratches and abrasions with touch up paint recommended by the manufacturer; make imperfections invisible to the unaided eye from a distance of 5 feet (1.5 m).
- E. To use the mobile app, install where a WiFi connection is available.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

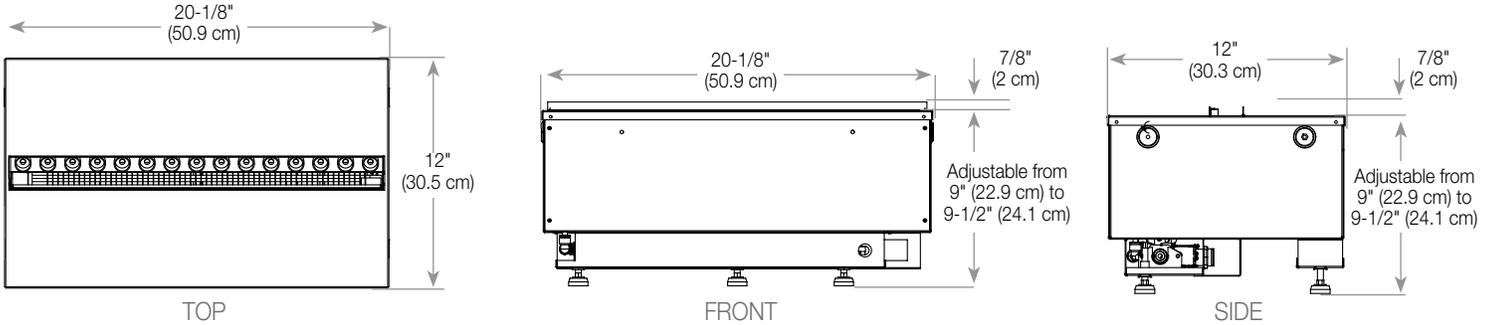
END OF SECTION



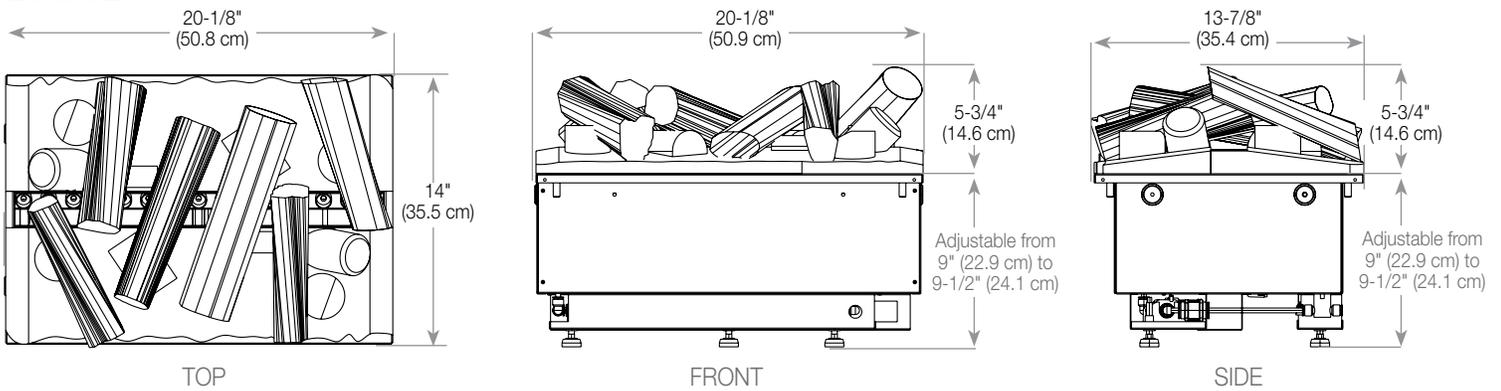
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Product Dimensions:

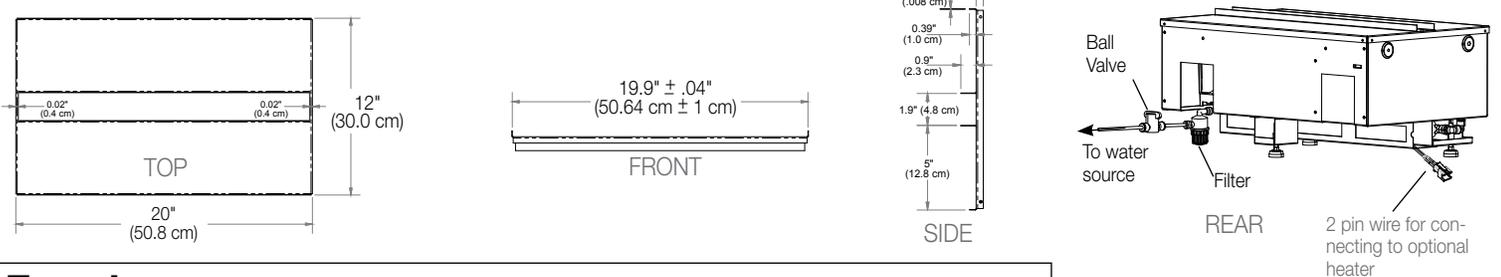
MEDIA PLATE



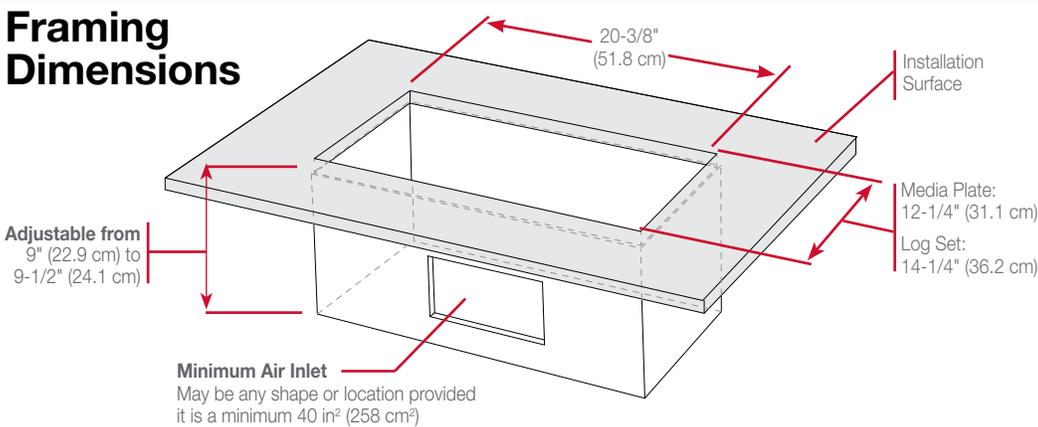
LOG SET



MEDIA TRAY



Framing Dimensions



Bluetooth Receiver
 Must be connected for operation. Can be recessed inside the wall or installed for remote control accessibility.

