X-VENTISO by earthcore

SUBMITTAL DATA

# XV150 DRAFT INDUCER

XV Series · Gas, solid fuel, and grease

## PROJECT INFORMATION

**Project** _____ **Location** _____

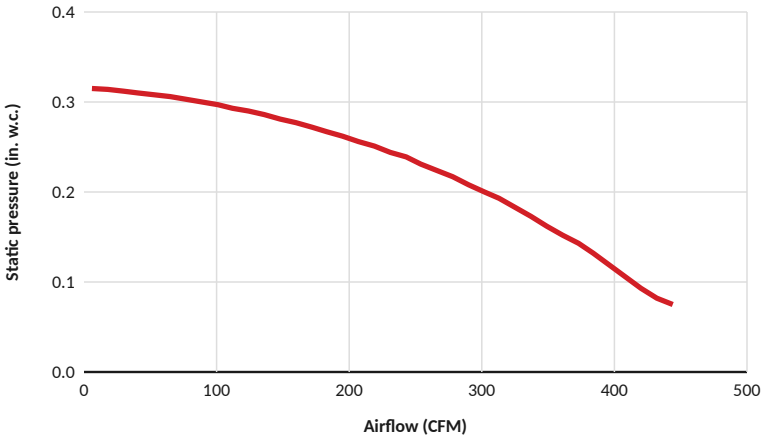
**Contractor** _____ **Engineer / Architect** _____

**Submitted by** _____ **Date** _____

## MODEL

☑ XV150 ☐ XV250 ☐ XV350 Quantity: _____ Tag(s): _____

## PERFORMANCE

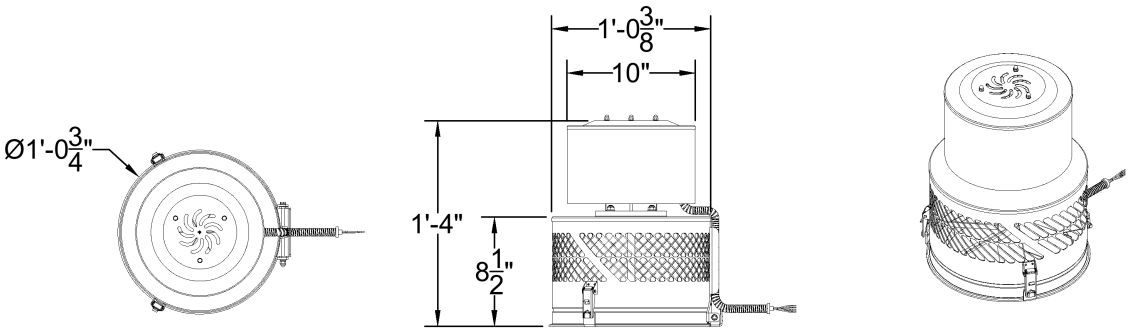



Full speed, 120 V. Size every application with the X-VENTISO flue calculator or project review.

## KEY DATA

| | |
|---|---|
| **Capacity** | 450 CFM |
| **Motor** | 120 V, 1 ph, 60 Hz, 1.0 A |
| **Weight** | 28 lb |
| **Nominal W x H** | 12.75 x 16 in |
| **Temperature** | 1,000°F continuous<br>1,400°F intermittent |
| **Discharge** | 45° upward |
| **Mounting** | Standard bolt pattern, shared with XV250 |
| **Orientation** | Vertical termination |
| **Fuel** | Gas, solid fuel, grease |

## DIMENSIONS




Top View Side View Isometric (Top)

Dimensions in feet and inches. Overall height 16", diameter 12-3/4" (nominal 12.75 x 16 in). Shares one housing with the XV250. Drawing (PDF or DWG) on request.

## INSTALLATION NOTES

1. Install per the X-VENTISO installation manual (XV-IM-XVS) and the appliance manufacturer's instructions.
2. Multiple draft inducers on one chase: 12" minimum, edge to edge at the lower draft inducer body.
3. Vertical termination. For a horizontal (sidewall) termination, specify the XV250 or XV350.
4. Termination clearances per the installation manual; service clearance per page 2.
5. Extension cable connections stay accessible: never inside conduit or a closed wall.
6. Connect to an X-VENTISO controller only. Commercial cooking and gas-fired cooking: custom XV-WBC; call 800.642.2920.
7. Codes are adopted and amended locally; the authority having jurisdiction makes the final call. Specifications subject to change.

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## CONSTRUCTION

| | |
|---|---|
| **Housing** | 316L stainless steel |
| **Impeller** | 316L stainless steel, curved axial vane |
| **Motor** | Outside the flue gas stream |
| **Service** | Tool-less clamp and hinge |
| **Spark arrestor** | Integrated, cut into the draft inducer body |

## ELECTRICAL

| | |
|---|---|
| **Supply** | Controller plugs into a 120V outlet |
| **Current** | 1.0 A |
| **Factory cable** | 30 ft, 3-conductor 18 AWG Type TC-ER / TC-ER-JP, 3-pin Molex |
| **Disconnect** | At the draft inducer, factory-installed (NEMA 3) |
| **Field wiring** | None to the controller |

## LISTINGS

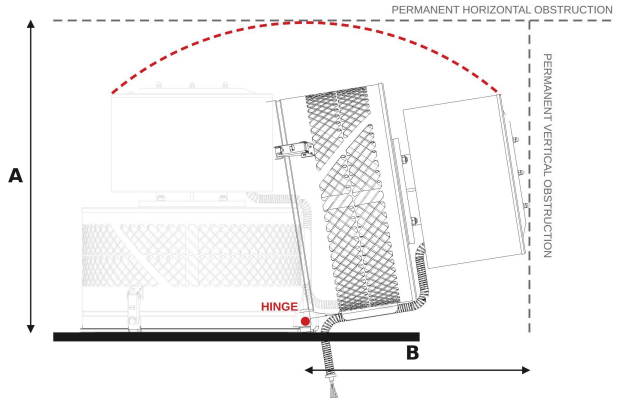
| | |
|---|---|
| **UL 378** | Draft equipment |
| **UL 705** | Power ventilators |
| **UL 705 Supp. SC** | Restaurant exhaust |
| **CSA B255** | Draft equipment, Canada |
| **CSA C22.2** | Fans and ventilators, Canada |
| **ULC-S645** | Restaurant exhaust, Canada |

ETL Listed. Intertek control no. 4007025.

## SYSTEM COMPONENTS (CHECK AS SUPPLIED)

- ☐ Controller (check one):
  - ☐ XV-GBC ☐ XV-GBC-DUO ☐ XV-MERD-CTRL
  - ☐ XV-MERD-DUO ☐ XV-WBC ☐ XV-WBC-DUO
  - ☐ XV-MULTICTRL
- ☐ Flue adapter (size: _____ )
- ☐ Damper: gas top-mount / gas inline / solid fuel
- ☐ WSPRDraft flue silencer (size: _____ )
- ☐ Vibration dampener, XV-VBD-1250
- ☐ Rain collar, XV-RC250
- ☐ Draft inducer extension cable: 20 / 50 / 100 ft / custom _____ ft

## SERVICE CLEARANCE (HINGED DRAFT INDUCER BODY)




The draft inducer body opens on an integrated hinge for cleaning and service. Keep permanent structures clear of the full opening arc.

| | |
|---|---|
| **A: above, to a permanent horizontal obstruction** | 20" minimum |
| **B: hinge side, to a permanent vertical obstruction** | 13.5" minimum |

## ENGINEER / ARCHITECT REVIEW

- ☐ No exceptions taken
- ☐ Make corrections noted
- ☐ Revise and resubmit
- ☐ Rejected

**Reviewed by** _____

**Date** _____

## REMARKS