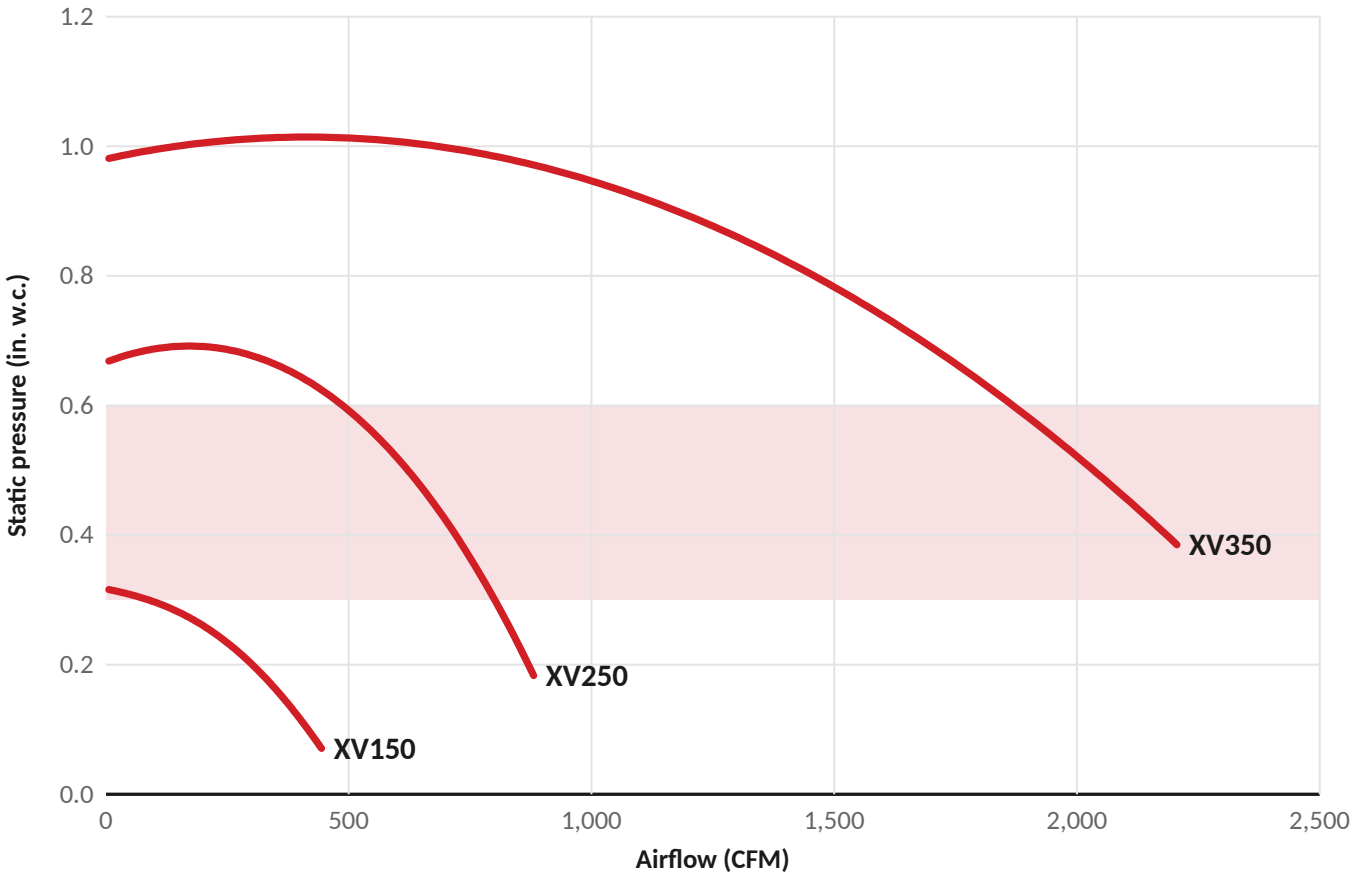
PERFORMANCE DATA

XV SERIES DRAFT INDUCERS

Airflow vs static pressure · Full speed, 120 V

Size on the curve, not on capacity. A chimney pushes back. Elbows, long runs, tall flues, caps and wind all add static pressure, and the airflow a draft inducer delivers is the airflow at that pressure. The shaded band, 0.3 to 0.6 in. w.c., is where most of the chimney systems we calculate land. Read each model's airflow there, or send the plans and we will size it for you.

PERFORMANCE CURVES, FULL SPEED, 120 V



Shaded: 0.3 to 0.6 in. w.c., where most of the chimney systems we calculate land.

AIRFLOW (CFM) AT STATIC PRESSURE (in. w.c.), FULL SPEED, 120 V

Model	Capacity	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
XV150	450	410	300	–	–	–	–	–	–	–
XV250	900	–	870	800	720	620	490	–	–	–
XV350	2,100	–	–	–	2,190	2,040	1,870	1,680	1,460	1,180

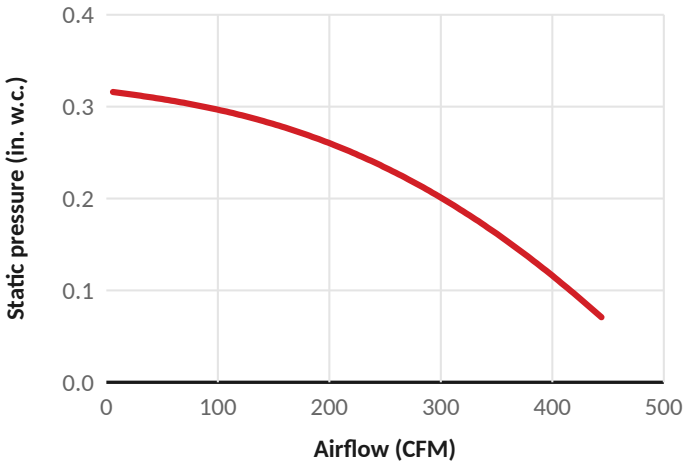
Read from the curves on this sheet, rounded to the nearest 10 CFM. – : off the published curve, or too close to shutoff for a stable operating point. Capacity: the airflow figure used across X-VENTISO literature for model comparison; size every job at its own pressure. The XV150 is built for smaller gas appliances and draft assist, so its curve sits below the shaded band; for most applications, start with the XV250.

XV SERIES DRAFT INDUCERS

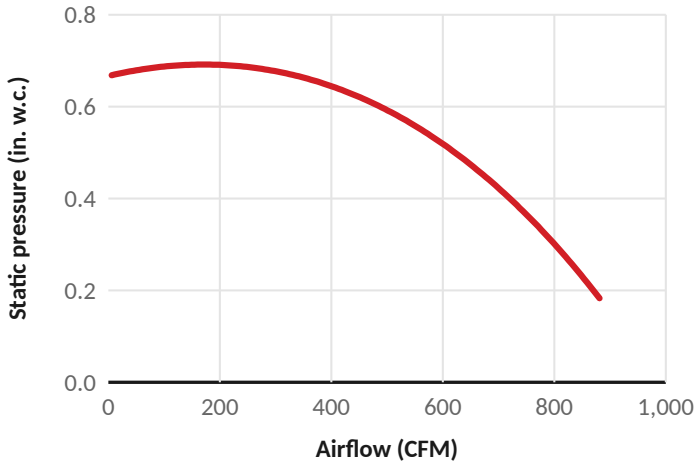
Model curves · Full speed, 120 V

MODEL CURVES, FULL SPEED, 120 V

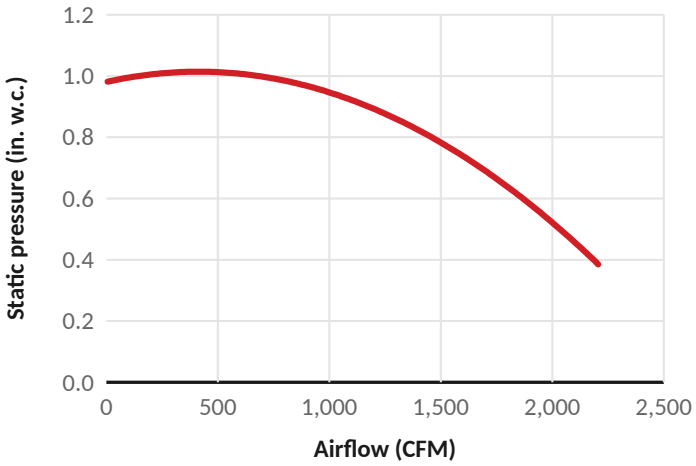
XV150 Capacity 450 CFM



XV250 Capacity 900 CFM



XV350 Capacity 2,100 CFM



Picking a model

XV150: smaller gas appliances and draft assist. For smaller gas appliances, and for a chimney that already drafts on its own, where it steadies the draft on cold starts, in wind, and in a tight house.

XV250: the starting point for most applications. Its curve covers the 0.3 to 0.6 in. w.c. band where most of the chimney systems we calculate land.

XV350: the most airflow in the XV line, for large openings, tall or long runs, and multiple appliances.

To confirm: find the system's static pressure at the design airflow (flue calculator or project review) and check that the curve sits at or above that point.

Speed after commissioning

The installer sets the operating speed for each chimney at commissioning. XV-WBC and XV-GBC then hold that setting; Meridian adjusts speed to the measured draft. Curves at lower controller outputs: call 800.642.2920.

BASIS AND NOTES

Condition	Full speed, 120 V supply, through an X-VENTISO controller.
Data	X-VENTISO published XV Series performance curves. Tabulated values are read from these curves.
On site	Delivered airflow depends on the whole system: flue size and height, fittings, termination, appliance, temperature and wind. Use the curve to select; confirm on commissioning.
Sizing help	Flue calculator at x-ventiso.com, or send the plans to plans@x-ventiso.com for a project review.
Related	XV-SUB-XV150, XV-SUB-XV250, XV-SUB-XV350 (submittals) · XV-DS-XVS-SOUND (sound power) · XV-IM-XVS (installation manual)

Specifications subject to change.