smartIAQ
Dedicated Clean Air System™
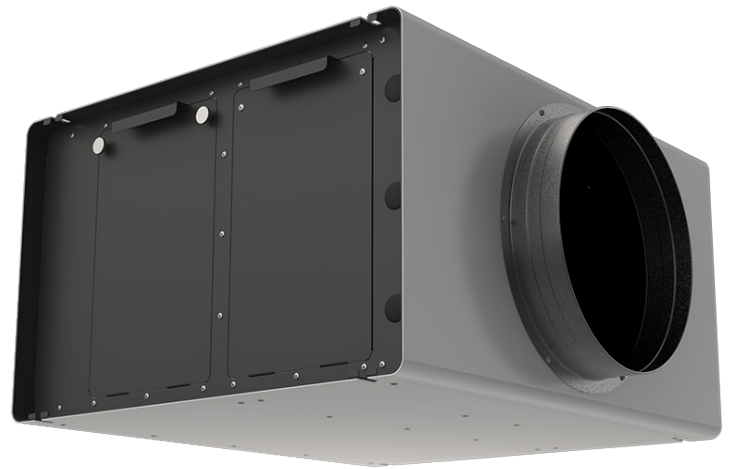
PRODUCT DESCRIPTION

smartIAQ is a Dedicated Clean Air System (DCAS) that provides demand-driven air cleaning of the 15 design contaminants listed in ASHRAE standard 62.1-2019 and -2022 to achieve compliance with the Indoor Air Quality Procedure. In addition, smartIAQ is an efficient air cleaner for applications where odor and/or particle management is a priority. smartIAQ is designed to offset the high cost of conditioning excess outdoor air; making systems less costly to deploy and operate, delivering real ROI; all the while ensuring indoor air quality meets current standards.

smartIAQ operates independently of an HVAC system ensuring clean air is delivered to the breathing zone when needed, allowing HVAC systems to prioritize temperature and humidity management.

smartIAQ is powered by digital control informed by a panel of solid state, calibrated, air quality sensors that manage the cleaned airflow; utilizing a minimum airflow in an idle state while sensing and ramping to cleaning speed when needed.
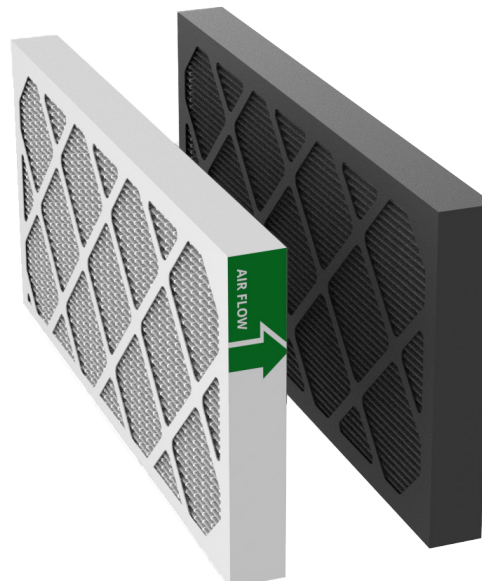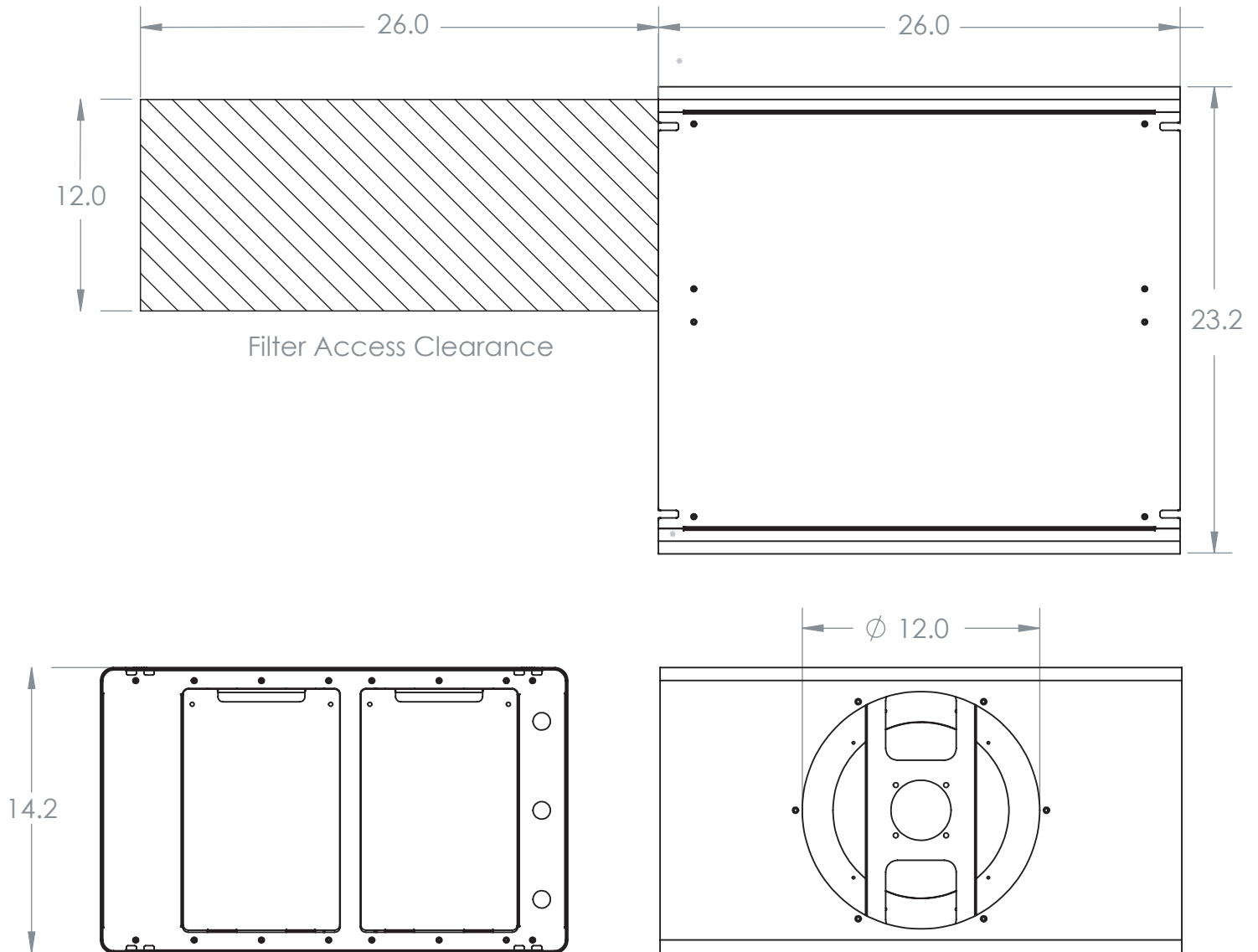
STANDARD FEATURES

- Demand-driven operation based on integrated sensor ready for design compounds from Standard 62.1
- Integral EC Blower - varies from 50cfm in Monitor mode through to a Peak Clean flow of 500cfm.
- Quiet operation - Nominal 33 dB(A)
- 12" Dia inlet / outlet
- Easy tool-free filter access
- Integral hanger brackets for permanent installation using all thread rods and standard spring hangers
- NPBI Soft Ionization delivered in all operational modes
- Supports maximum external static pressure of 0.8" W.C.

FILTRATION DETAILS

- 2" MERV 14 Particulate Filter
- 2" Molecular Carbon Filter for VOC removal
- Over 1 year life*

AIR FLOW

GPS®

26.0   26.0

12.0

Filter Access Clearance

23.2

14.2

Ø 12.0

SPECIFICATIONS

Standard Input Voltage/Frequency	120 VAC, 50 / 60 Hz	**Unit Dimensions** (L x W x H)	23" x 26" x 14"
Optional Input Voltage/Frequency	208 / 230 / 277 / 347 VAC, 50 /60 Hz (via transformer kit)	**Weight** (Standard Unit)	70lbs
Airflow Capacity	500 CFM (Max)	**Weight** (with optional transformer)	78lbs
Coverage (Std classroom Occupancy)	2000 ft² (70 occupants or a max of 2 rooms)	**Humidity Range**	200 W (Max)
Sound Level (Sensing Mode)	NC-25	**Humidity Range**	0 - 140 F
Sound Level (Max Cleaning)	NC-35	**Humidity Range**	5 - 85% RH (non-condensing)
Input Voltage	Over 1 year	**Humidity Range**	UL 507, UL 867, UL 2998

GPS

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