nu-air

AHRI CERTIFIED™

Energy recovery component is certified by AHRI to AHRI Standard 1060. Actual performance in packaged equipment may vary.

INTERTEK ETL LISTED C US

NU305ERV PRODUCT INFORMATION SHEET

CORE
Enthalpy crossflow core. Nu-Air part #EC1414A.
Dimensions: 14"L x 14"W x 14H".

ELECTRICAL
115Volt, 60Hz, 170Watts. Supplied with 4FT power cord.
Unit FLA: 1.9 Amps   MCA: 1.9 Amps   MOCP: 15

MOTORS
Fractional 2 speed PSC motors. 1275RPM. Nu-Air Part #50104. Independent speed adjustment of either supply or exhaust motor in both high and low speed.

BLOWERS
Two forward curve, dual inlet fans using permanently sealed bearings.

CABINET
The case is constructed of .050 pre-painted white aluminum that is fully insulated with 1" foil faced fibreglass insulation.
Drain connections are 1/2"(2). Nu-Air drain fitting part #50362. Cabinet Dimensions: 36"L x 23"H x 17"W.
Duct Connection Size: 8" Oval.

CONFIGURATION
Available in standard 'C' or reverse 'G' configuration. See drawings.

ELECTRONICS
Integrated microprocessor. Built in interlock contacts.
24V circuit protection with self resetting fuse.
12VDC and/or 24V connection for remote control with mechanical switch or any Nu-Air control.

DEFROST OPTIONS
Model **NU305FL** – Supply fan shuts down while exhaust air defrosts core.
Model **NU305DL** – Bypass damper routes indoor air to defrost core.

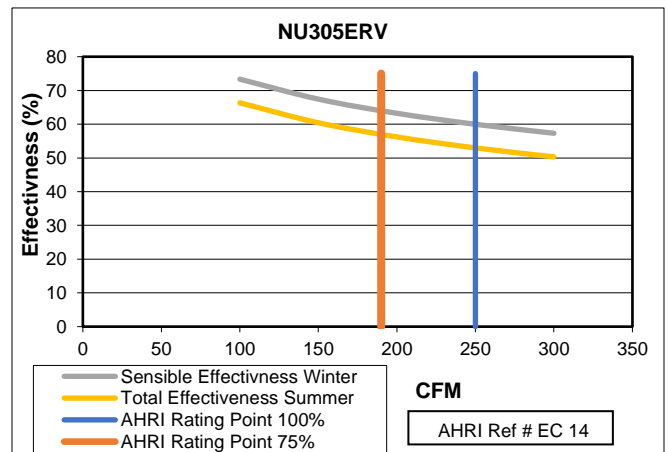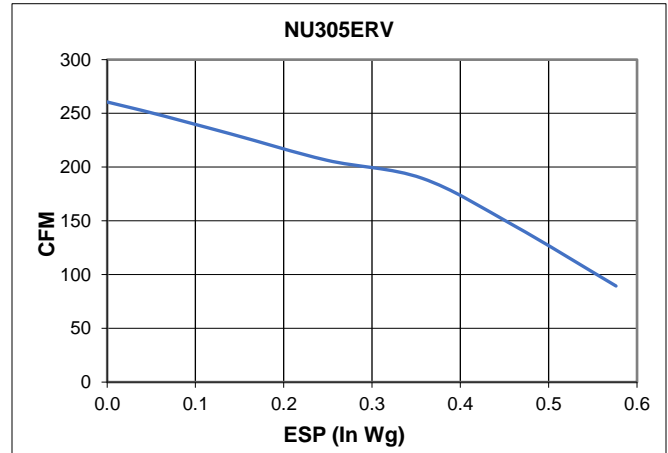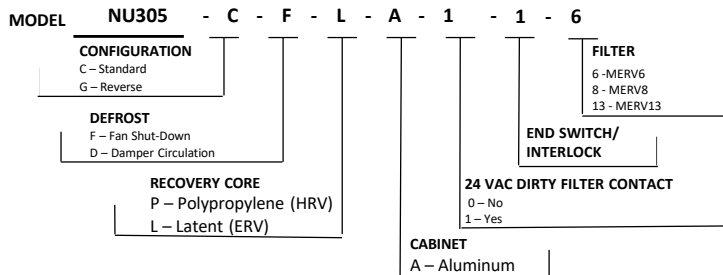**WEIGHT** – 50lbs/23kg   **SHIPPING WEIGHT** – 70lbs/32kg

FILTERS
2 Filters @ 13.5" x 14".
Washable MERV6 mesh filters in supply and exhaust airstreams.
1" pleated MERV8 or MERV13 filter upgrade available upon request.

Filter	Type	Part #	Qty
MERV6	½" Polyester Mesh	50938	1
MERV8	1" Pleated	50810	2
MERV13	1" Pleated	50811	2

NOMENCLATURE EXAMPLE

MODEL   **NU305** - C - F - L - A - 1 - 1 - 6

CONFIGURATION
C – Standard
G – Reverse

DEFROST
F – Fan Shut-Down
D – Damper Circulation

RECOVERY CORE
P – Polypropylene (HRV)
L – Latent (ERV)

CABINET
A – Aluminum

24 VAC DIRTY FILTER CONTACT
0 – No
1 – Yes

END SWITCH/ INTERLOCK

FILTER
6 - MERV6
8 - MERV8
13 - MERV13

NU305ERV

Chart: CFM vs ESP (In Wg)

NU305ERV

Chart: Effectiveness (%) vs CFM
— Sensible Effectivness Winter
— Total Effectiveness Summer
— AHRI Rating Point 100%
— AHRI Rating Point 75%

CFM

AHRI Ref # EC 14

CONTROL OPTIONS
12 VDC controls available

Lumina (NAV-561) - Digital wall mounted control c/w Dehumidistat, timer functions & filter change indicator
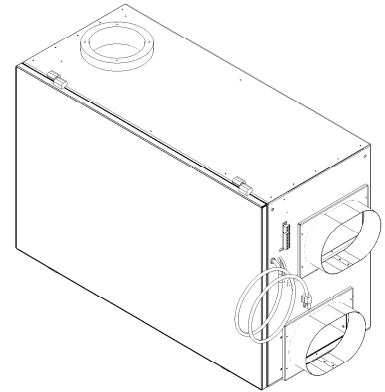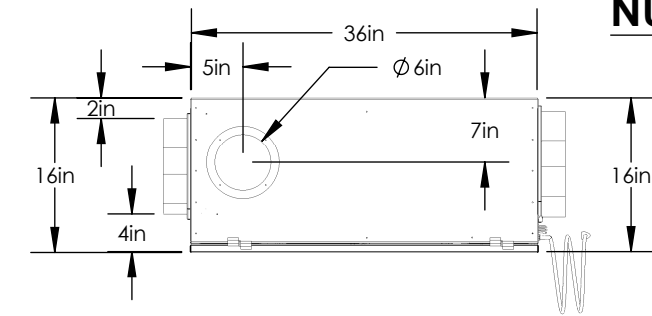
24 V controls available

NAV-460 - 20/40/60 minute timer
Dstat-1 - Humidity control
WIN-1 – Humidity control c/w Off/Standby/Continuous/Intermittent
WIN-20 – 20 minute push button timer (up to 6 per unit)
Any dry contact switch – By Others

WARRANTY - Provided installation is in accordance with instruction, 5 year warranty on the ERV core and a 2 year warranty on replacement parts.
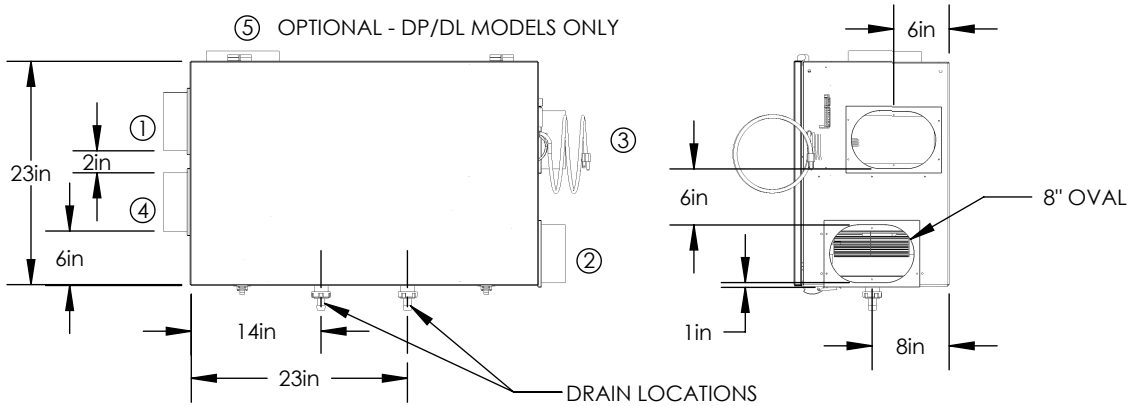
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NU305 CONFIGURATION DRAWINGS

NU305-C

5 OPTIONAL - DP/DL MODELS ONLY

8" OVAL

DRAIN LOCATIONS

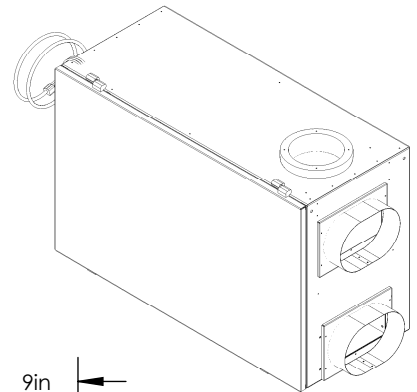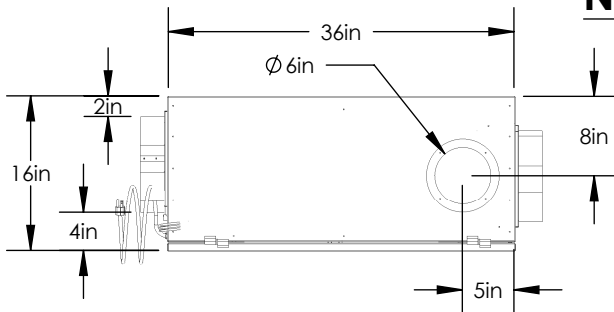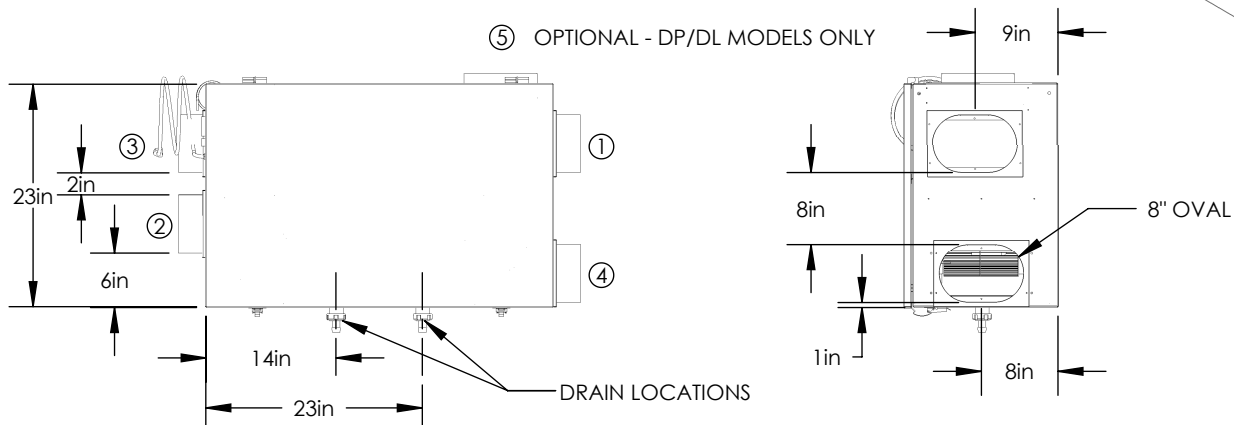| 1 - OUTSIDE AIR / FRESH AIR FROM OUTSIDE	2 - SUPPLY AIR / FRESH AIR TO SPACE	3 - RETURN AIR / EXHAUST AIR FROM SPACE	4 - EXHAUST AIR / EXHAUST AIR TO OUTSIDE	5 - DEFROST AIR (OPTIONAL - DP/DL MODELS ONLY)

NU305-G

5 OPTIONAL - DP/DL MODELS ONLY

8" OVAL

DRAIN LOCATIONS

In the interest of product improvement, Nu-Air reserves the right to change specifications without notice.