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

NU1600HRV PRODUCT INFORMATION SHEET

CORE
Polypropylene crossflow core. 2 sections. Nu-Air part #PC2314A.
Dimensions: 24"L x 24"W x 28"H.

ELECTRICAL
208-230 Volt, 60Hz. Single point power connection.
Unit FLA: 13 Amps   MCA: 16.3 Amps   MOCP: 25 Amps
Factory installed disconnect available upon request.

MOTORS
2 x 1HP 2 speed PSC motors. 1075 RPM. Nu-Air Part #50590.

BLOWERS
2 x DWDI direct drive blowers. Nu-Air Part #50122.

CABINET
The case is constructed of 22 Ga galvanized steel that is fully insulated with 1" foil faced fibreglass insulation.
Pre-painted white aluminum finish upgrade available upon request.
Drain connections: 1/2"(2). Nu-Air drain fitting part #50362.
Cabinet Dimensions: 64"L x 38"H x 30"W.
Duct connections: 20" x 10".

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 **NU1600FP** – Supply fan shuts down while exhaust air defrosts core.
Model **NU1600DP** – Bypass damper routes indoor air to defrost core.
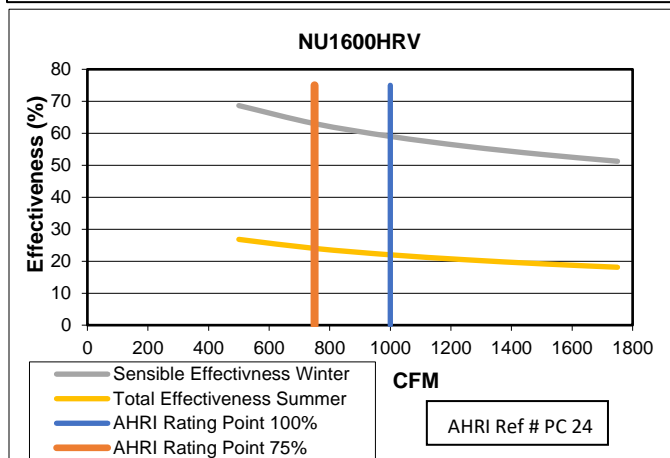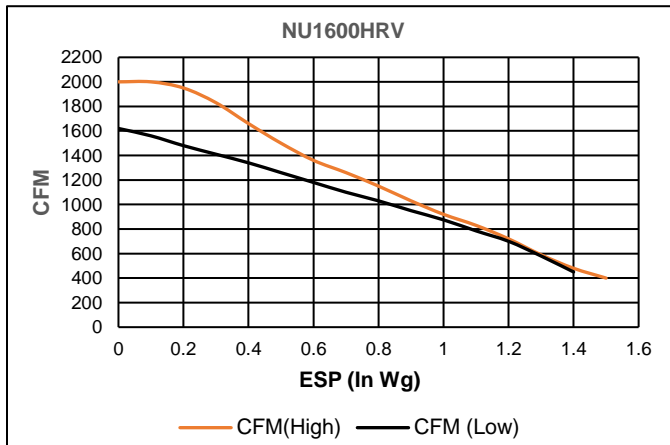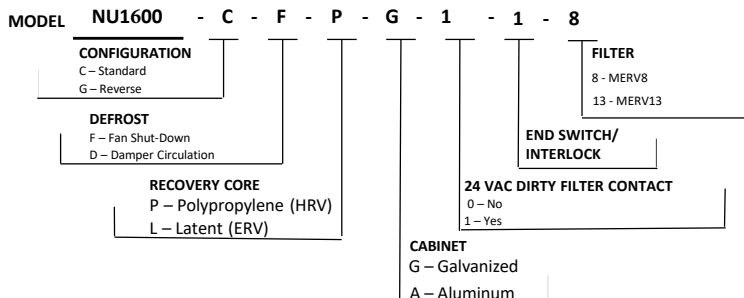
WEIGHT – 355lbs/161kg   **SHIPPING WEIGHT** – 405lbs/183.7kg

FILTERS
2 Filters @ 12" x 24" x 1" & 2 Filters @ 16" x 24" x 1".
1" pleated MERV8 filters in supply and exhaust airstreams.
MERV13 filter upgrade available upon request.
Dirty filter contacts available upon request.

Filter	Type	Part #'s	Qty
MERV8	1" Pleated	50016 & 50410	2 Each
MERV13	1" Pleated	50809 & 50808	2 Each

NU1600HRV — CFM vs ESP (In Wg) chart. Legend: CFM(High), CFM (Low)

NU1600HRV — Effectiveness (%) vs CFM chart. Legend: Sensible Effectivness Winter, Total Effectiveness Summer, AHRI Rating Point 100%, AHRI Rating Point 75%.

AHRI Ref # PC 24

CONTROL OPTIONS
12 VDC controls available

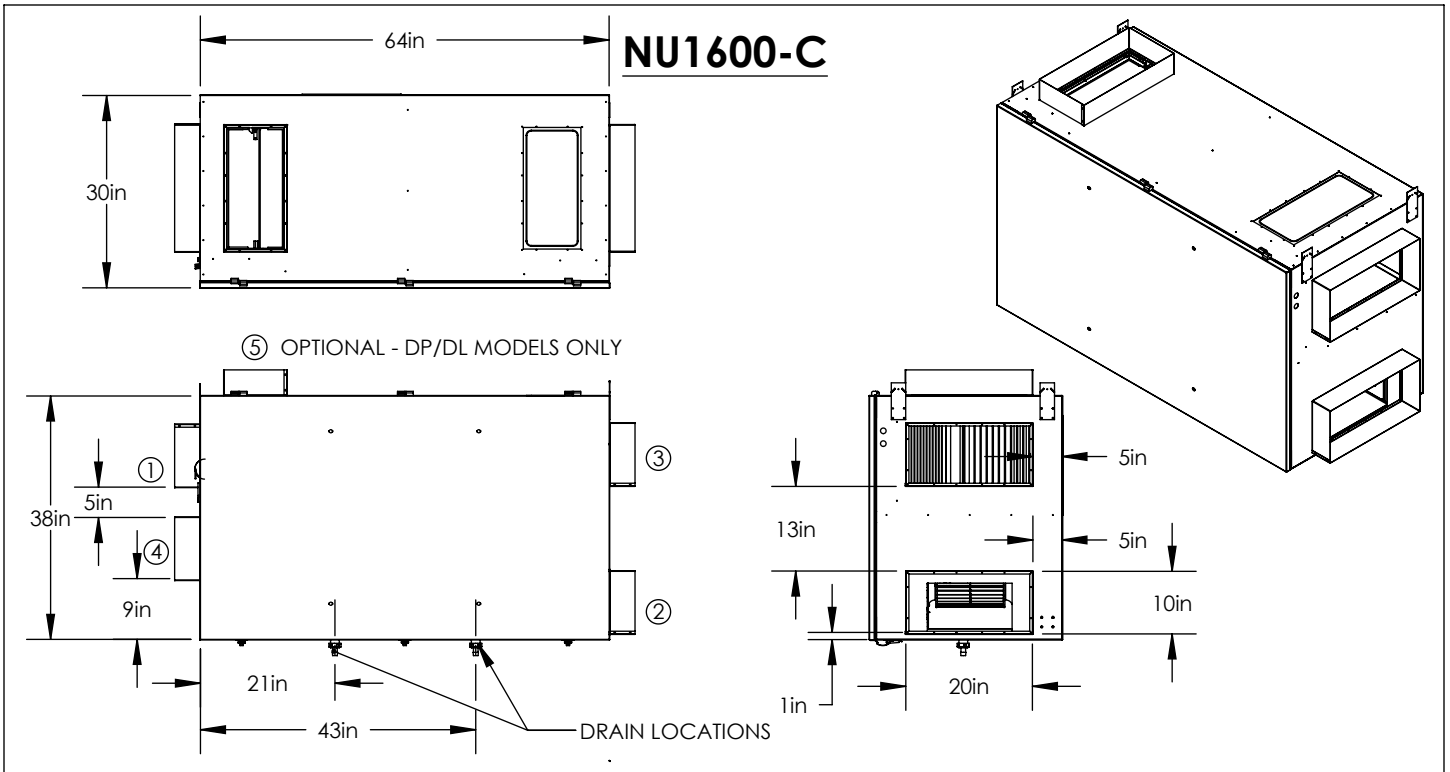**Lumina (NAV-561) -** Digital wall mounted control c/w Dehumidistat, timer functions & filter change indicator

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

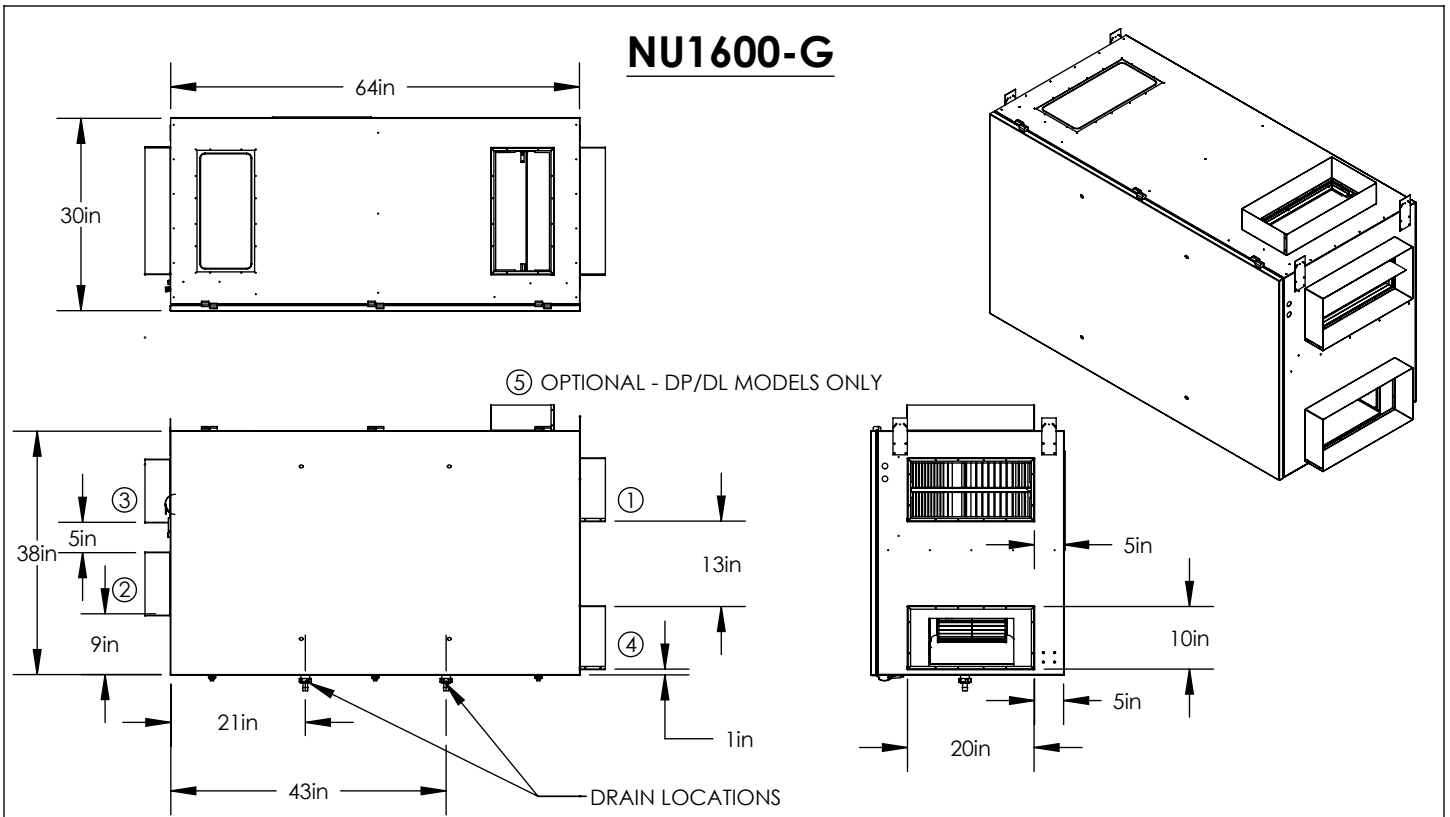**WARRANTY** - Provided installation is in accordance with instruction, 5 year warranty on the ERV core and a 2 year warranty on replacement parts.

NOMENCLATURE EXAMPLE

MODEL **NU1600** - **C** - **F** - **P** - **G** - **1** - **1** - **8**

CONFIGURATION
C – Standard
G – Reverse

DEFROST
F – Fan Shut-Down
D – Damper Circulation

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

CABINET
G – Galvanized
A – Aluminum

24 VAC DIRTY FILTER CONTACT
0 – No
1 – Yes

END SWITCH/ INTERLOCK

FILTER
8 - MERV8
13 - MERV13

Distributed by:

16 Nelson Street - Windsor - Nova Scotia - Canada - B0N 2T0   1-800-565-2261   nuair@nu-airventilation.com   www.nu-airventilation.com
In the interest of product improvement, Nu-Air reserves the right to change specifications without notice.
V.20230106

NU1600 CONFIGURATION DRAWINGS

NU1600-C

64in

30in

⑤ OPTIONAL - DP/DL MODELS ONLY

38in

①
5in

④

9in

③

②

21in

43in

DRAIN LOCATIONS

13in

5in

5in

10in

1in

20in

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)

NU1600-G

64in

30in

⑤ OPTIONAL - DP/DL MODELS ONLY

38in

③
5in

②

9in

①

13in

④

1in

21in

43in

DRAIN LOCATIONS

5in

10in

5in

20in

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