



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



Intertek

## NU305ERV PRODUCT INFORMATION SHEET

### CORE

Enthalpy crossflow core. Nu-Air part #50747.  
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.  
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 3/4”(2). Nu-Air drain fitting part #50249.  
Cabinet Dimensions: 36”L x 23”H x 17”W.  
Duct Connection Size: 8” Round.

### 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

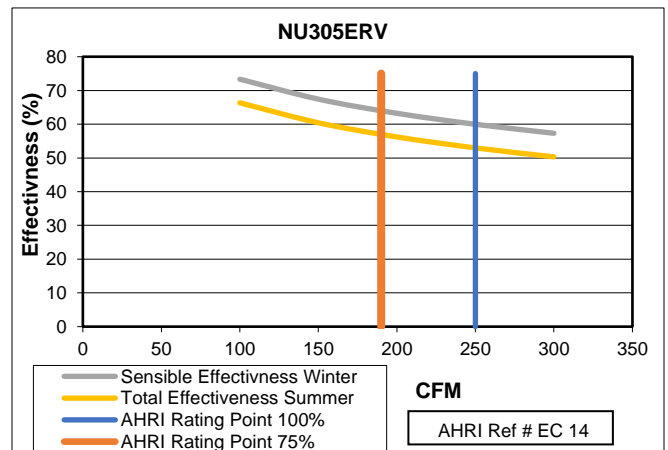
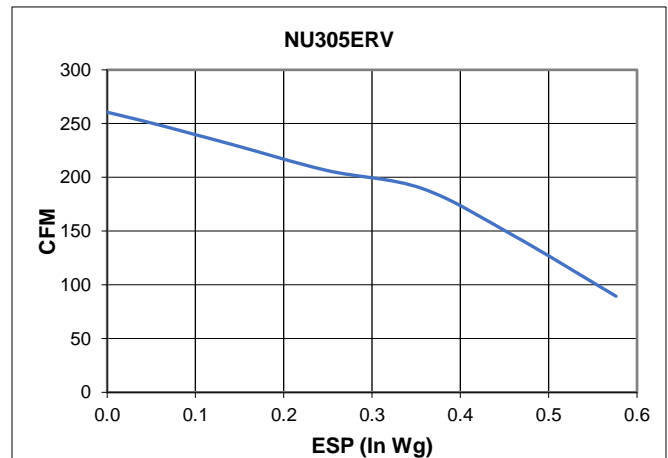
Model **NU305FL** – Supply fan shuts down while exhaust air defrosts core.  
Model **NU305DL** – Bypass damper routes indoor air to defrost core.

**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	Set-NU500-Filter	1 Set
MERV8	1” Pleated	50810	2
MERV13	1” Pleated	50811	2



### CONTROL OPTIONS

#### 12 VDC controls available

**Lumina (NAV-561)** – Digital wall mounted control c/w Dehumidistat, timer functions & filter change indicator  
**ESM1** – Off/Standby/Lo/Hi  
**ESM2** – Off/Standby/Lo/20Lo-40Standby  
**ESM3** – Off/Standby/Lo/20Lo-40Recirculation  
**ESM4** – Off/Standby/Recirculation  
**EST1** – 20/40/60 minute push button timer

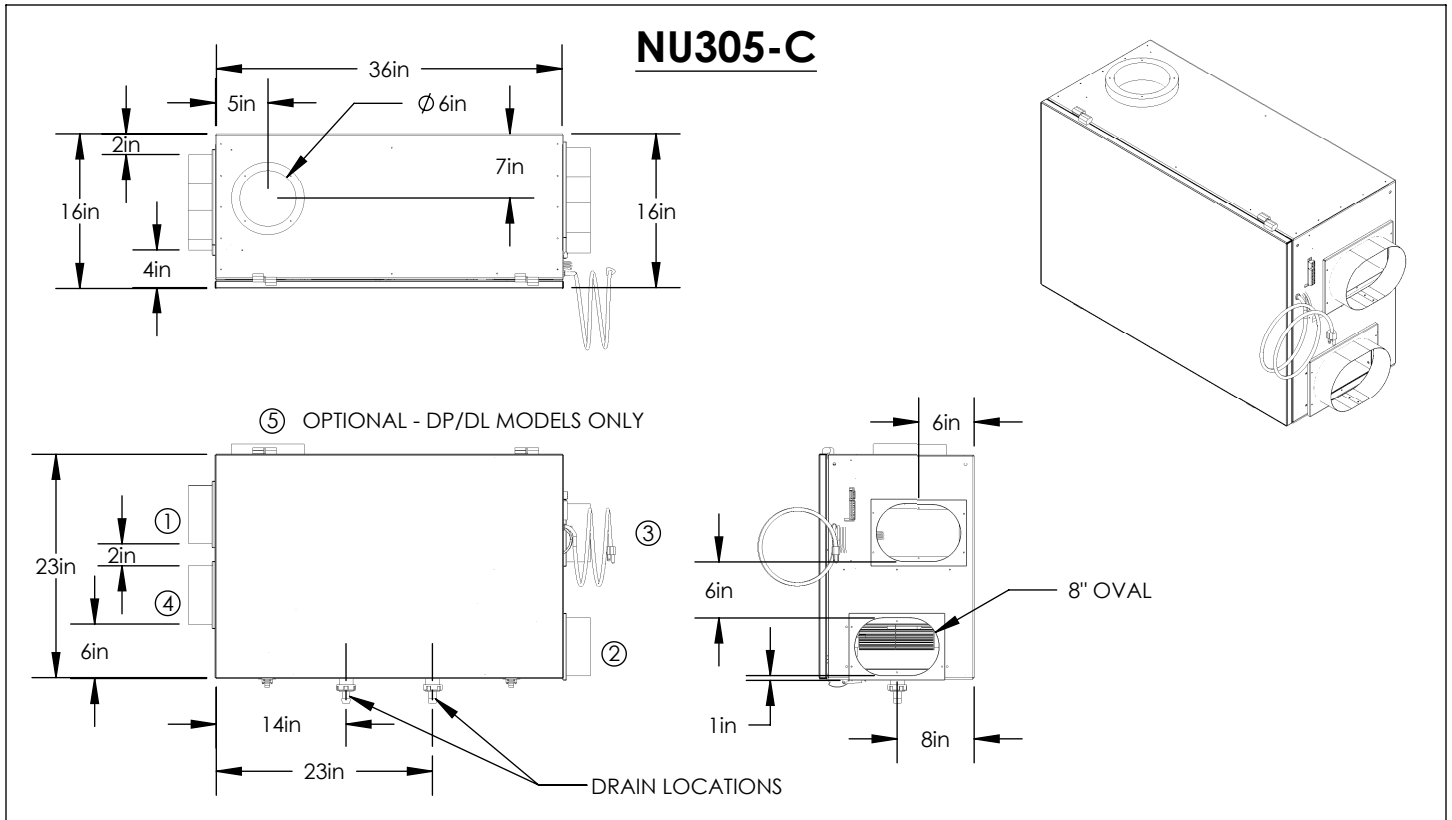
#### 24 V controls available

**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

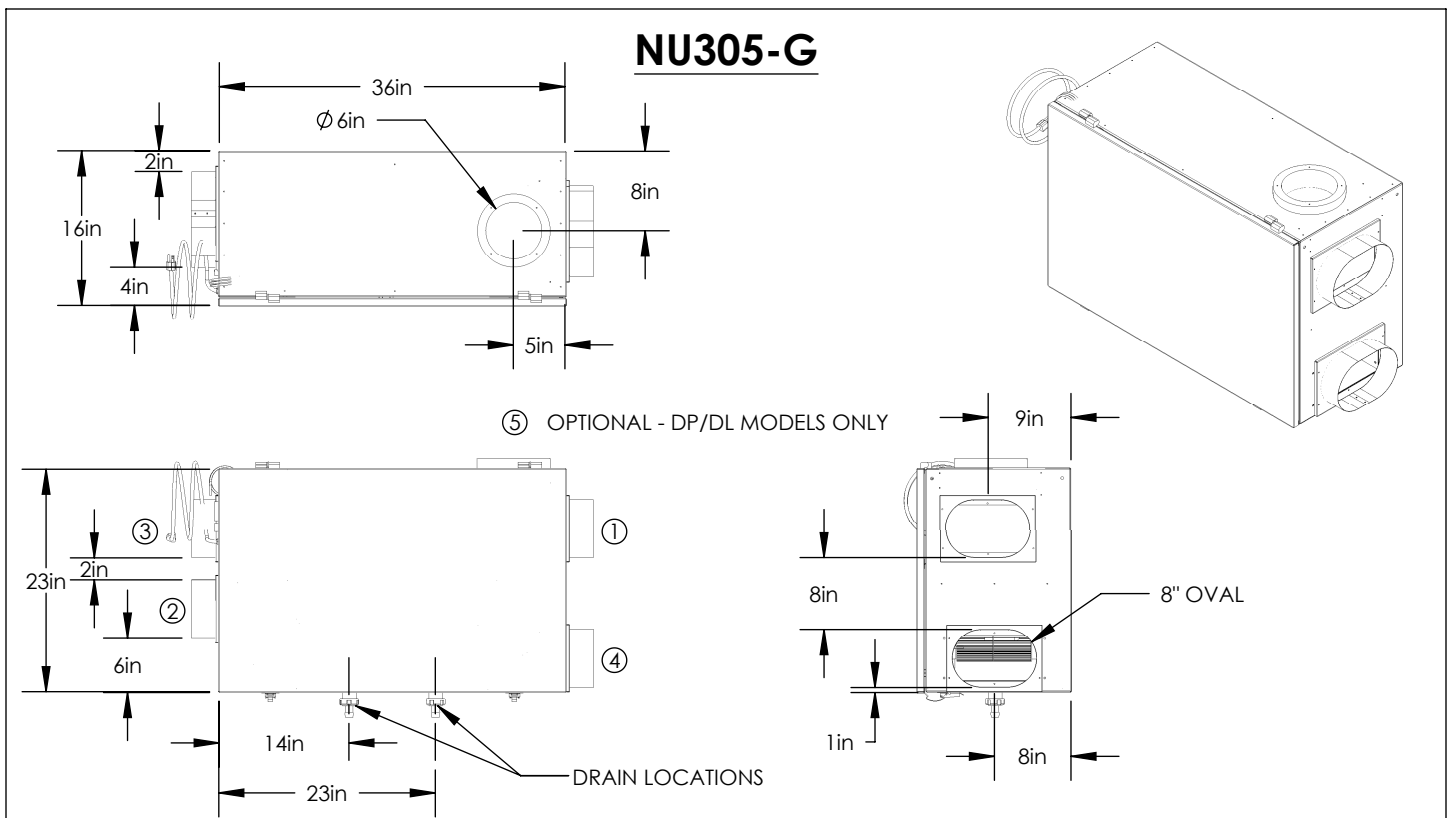
**WARRANTY** - Provided installation is in accordance with instruction, 5 year warranty on the ERV core and a 2 year warranty on replacement parts.

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# NU305 CONFIGURATION DRAWINGS



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