

## NU500HRV PRODUCT INFORMATION SHEET

### CORE

Polypropylene crossflow core. Nu-Air part #PC1414A.  
Dimensions: 14" L x 14" W x 14" H.

### ELECTRICAL

115Volt, 60Hz, Supplied with 4FT power cord.  
Unit FLA: 4.4 Amps MCA: 5.5 Amps MOCP: 15 Amps

### MOTORS

Fractional 2 speed PSC motors. 1275 RPM. 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 fiberglass insulation.  
Drain connections: 1/2" (2). Nu-Air drain fitting part #50362. Cabinet Dimensions: 36" L x 23" H x 17" W.  
Duct Connection Size: 10" x 6".

### 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 **NU500FP** – Supply fan shuts down while exhaust air defrosts core.  
Model **NU500DP** – Bypass damper routes indoor air to defrost core.

**WEIGHT** – 80lbs/36.3kg

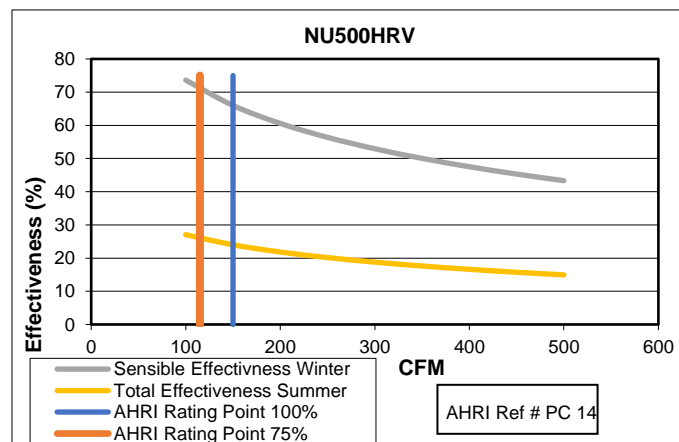
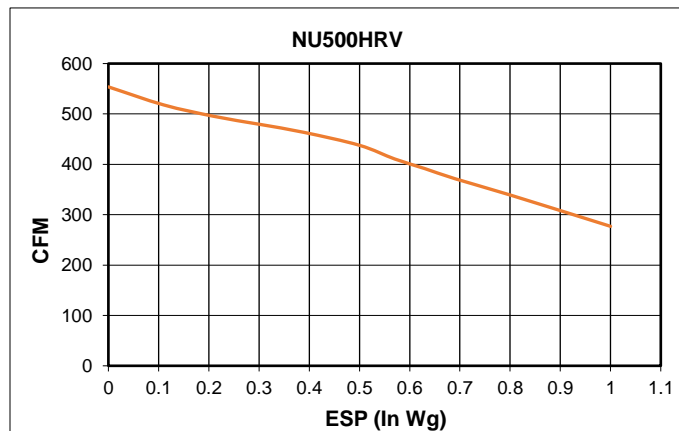
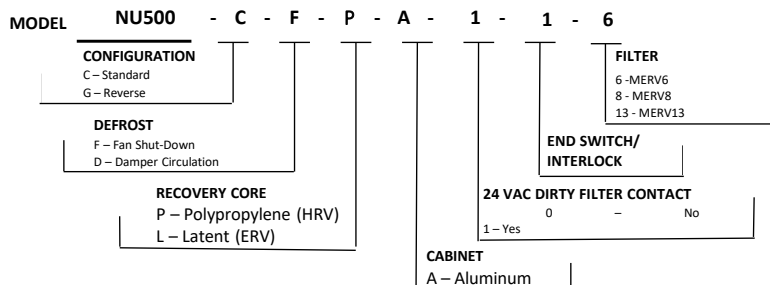
**SHIPPING WEIGHT** – 105lbs/47.6kg

### 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 Set |
| MERV8  | 1" Pleated        | 50810  | 2     |
| MERV13 | 1" Pleated        | 50811  | 2     |

### NOMENCLATURE EXAMPLE



### CONTROL OPTIONS

#### 12 VDC controls available

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

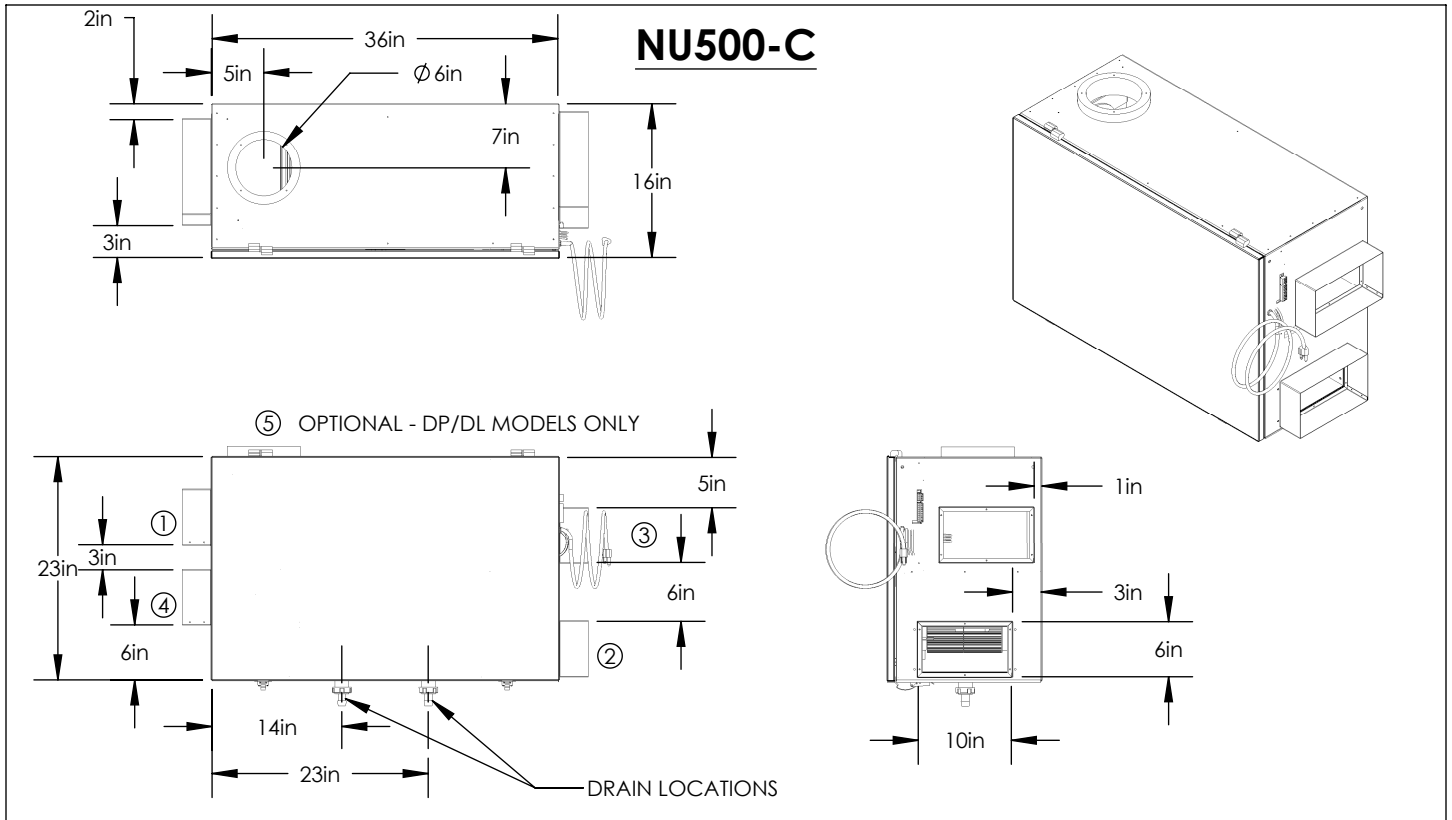
#### 24 V controls available

**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, 15 year warranty on the HRV core and a 2 year warranty on replacement parts.

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# NU500 CONFIGURATION DRAWINGS



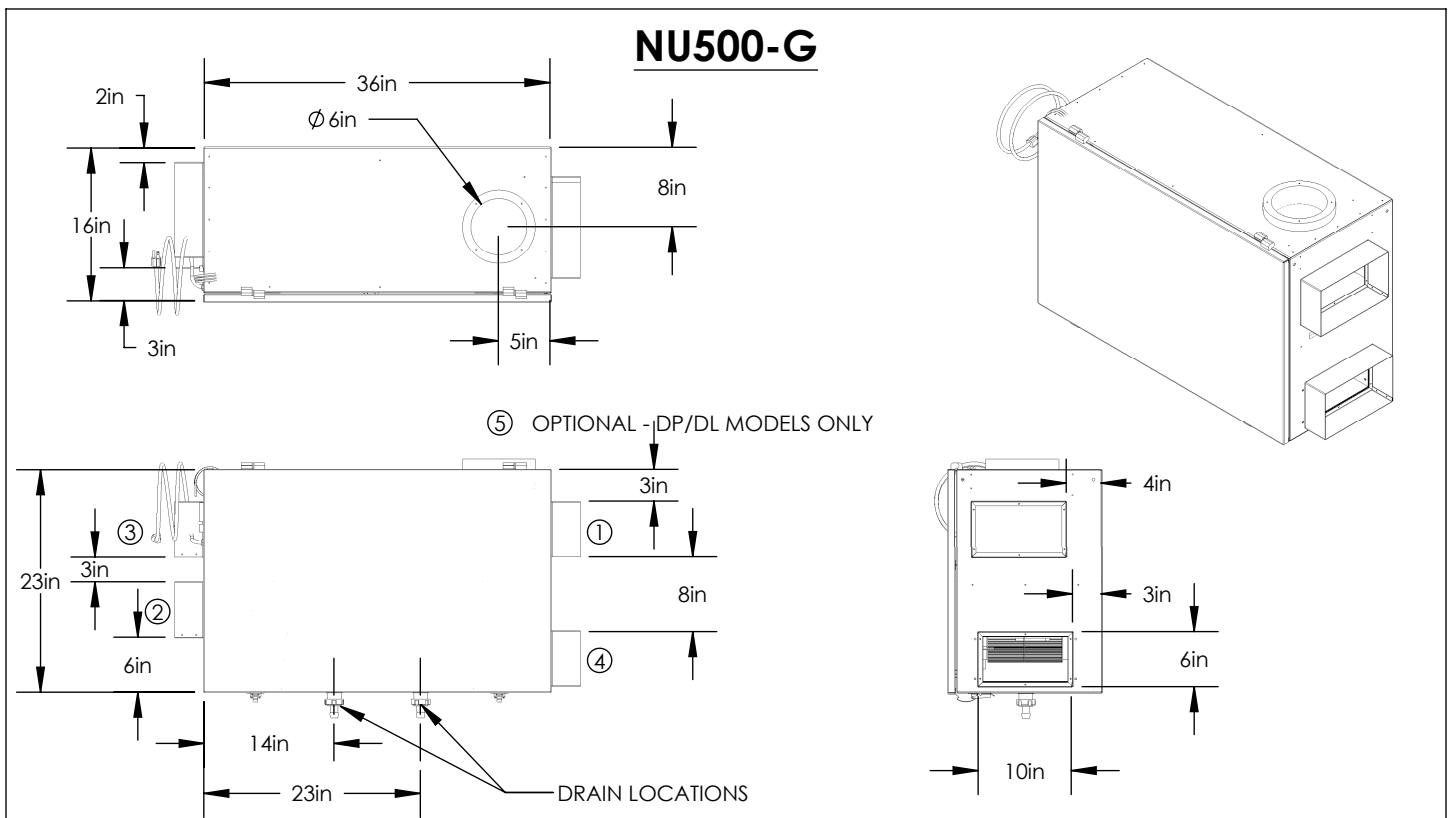
1 - OUTSIDE AIR / FRESH AIR FROM OUTSIDE

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)



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