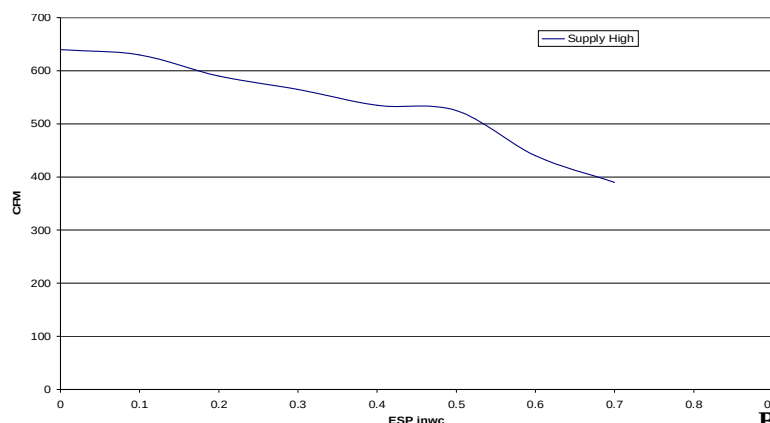


NU600 HRV PRODUCT INFORMATION SHEET



APPROVALS:

Conforms to UL Std 1812
 Certified to CSA Std C22.2
 No. 113, Heat exchanger core
 listed with AHRI 1060



CABINET .050 pre-painted white aluminum with 1" foil faced fiberglass insulation.

HEAT EXCHANGER CORE:

Polypropylene core – standard.

BLOWERS: Forward curve dual inlet

centrifugal blowers.

DEFROST OPTIONS

Circulation Defrost: When outdoor temperature is below -5°C (23° F), a defrost cycle is initiated for a fixed duration. The fresh air motor will run and the exhaust air motor will shut down. A damper will shut off the cold supply port, directing ambient air through the core for defrosting. The unit will resume normal operation for a fixed duration, then the processor will read outdoor temperature and initiate defrost as necessary. Defrost times and intervals will vary according to temperature below -5°C (23° F).

NOTE: *In circulation defrost mode, this unit will not induce indoor negative pressure nor recycle exhaust air; rather it will redistribute ambient room air.*

Timed fan shut down defrost - The outside air before the core is monitored. When below freezing, a defrost cycle is activated. The supply fan shuts down while the exhaust fan continues to move warm air through the core. After a predefined temperature based time cycle, the HRV reverts to exchange mode

NU600 HRV	
AIR FLOW	535 cfm @ 0.4 in. w.c. 252 l/s @ 100 Pa
DUCT SIZE (W X H)	14 x 8 in. 356 x 203 mm
CORE SIZE (L x W x D)	17.5 x 17.5 x 21 in. 444 x 444 x 520 mm
CABINET SIZE (L x W x D)	42 x 30 x 23 in. 1067 x 762 x 584 mm
BLOWERS	RF4C
WATTS	500
VOLTS	115/230
TOTAL F.L. AMPS	4.5/2.2
RPM/SPEEDS	1275/2
WEIGHT	170 lb (77.3 kg)

ADDITIONAL FEATURES:

Fan interlock options: interlocks in Hi and Lo speeds or Hi speed only.

Intelligent defrost adjusts to outdoor conditions below -5° C (23° F)

Independent speed adjustment of either supply or exhaust motor in BOTH high and low speed

24V circuit protection with self-resetting fuse

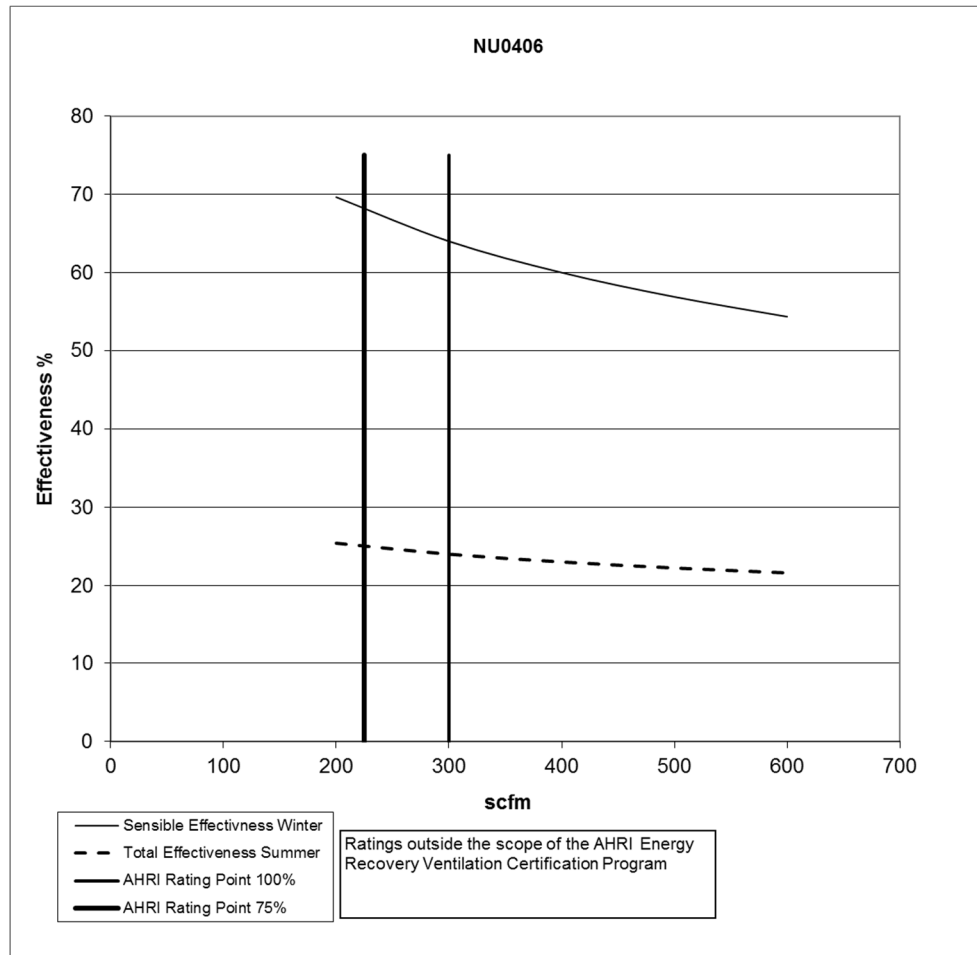
Drain, hanger kit, MERV filter 16"x20"x1

12 VDC **AND/OR** 24 V connection for remote control with mechanical switch or the following Nu-Air controls:

12 VDC controls available	24 V controls available
Lumina digital control with dehumidistat, timer functions and filter change indicator ES-M1: Off/ Stand-by / Lo/ Hi ES-M2: Off/ Stand-by / Lo/ 20 Lo-40 Standby ES-M3: Off/ Stand-by / Lo/ 20 Lo-40 Recirculation ES-M4: Off/Stand-by/Recirculation ES-T1: 20-40-60-minute timer	Any Dry Contact Switch DSTAT-1: Humidity control Win-1: Humidity control/ OFF/ STBY/ Continuous/ Intermittent/ Full-time high speed WIN-20: 20-minute timer (up to 6)

WARRANTY: Subject to applicable consumer protection legislation Nu-Air Ventilation Systems Inc. warrants that the unit will be free from defective materials and workmanship for a period of two (2) years provided installation is in accordance with the instructions. There is a 15-year warranty on plastic cores, and a 5-year warranty for polymer enthalpy cores.

NU600 HRV Efficiency

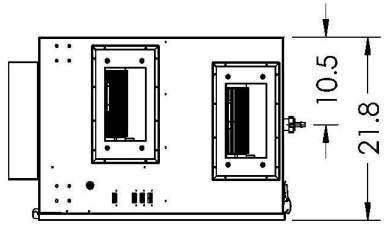
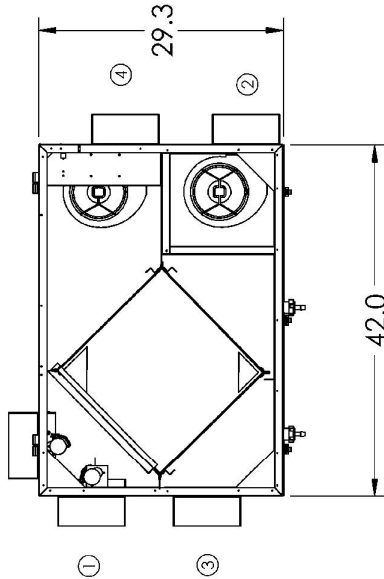
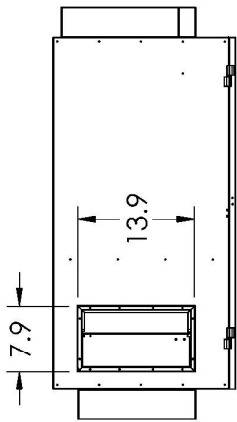
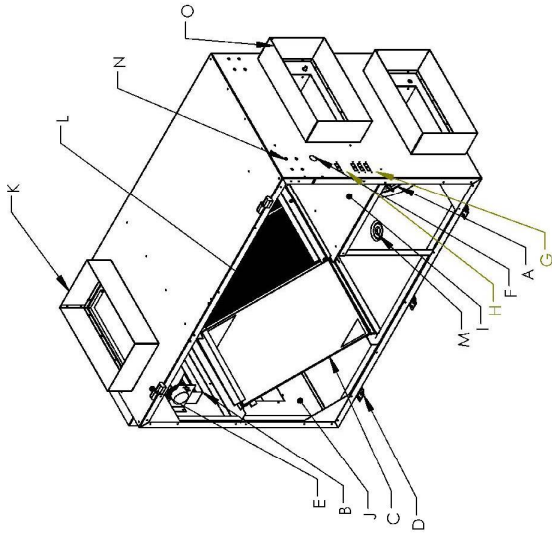


Model no.	PC 18		
Type	Plate		
Nominal Air Flow (scfm)	300		
Pressure drop (inches)	0.07		
Leakage Ratings	Diff. Pressure	EATR %	OACF
Test 1	-0.5	0.00	1.00
Test 2	0	0.00	1.00
Test 3	0.5	0.00	1.00
Thermal Effectiveness Ratings at 0" Pressure Differential			
	Sensible	Latent	Total
100% air Flow Heating	63	0	39
75% air Flow Heating	65	0	43
100% air Flow cooling	67	0	24
75% air Flow Cooling	71	0	28
	Net Sensible	Net Latent	Net Total
100% air Flow Heating	63	0	39
75% air Flow Heating	65	0	43
100% air Flow cooling	67	0	24
75% air Flow Cooling	71	0	28



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

FEATURES	
A	FORWARD CURVE, DUAL INLET IMPELLER (2)
B	DEFROST SWITCH
C	HEAT EXCHANGER CORE - SENSIBLE OR TOTAL
D	LATCH (3)
E	HINGE (3)
F	ELECTRICAL CONNECTION - HARD WIRRED
G	CONTROL TERMINALS
H	FURNACE INTERLOCK
I	ELECTRICAL BOX
J	
K	DEFROST AIR DAMPER AND COLLAR - OPTIONAL
L	FILTERS (2)
M	5/8" DRAINS (2)
N	HANGER MOUNTS (4)
O	DUCT COLLARS 14X8



DEFROST OPTIONS:

F - FAN SHUT DOWN, EXHAUST ONLY, TEMPERATURE ACTIVATED, TIMED CYCLE. FOR MODERATE WINTER TEMPERATURES WHERE SOME NEGATIVE BUILDING PRESSURE IS ACCEPTABLE.

D - CIRCULATION DEFROST, NO EXHAUST, CIRCULATION OF ROOM AIR. TEMPERATURE ACTIVATED, TIMED CYCLE. FOR COLD WINTER TEMPERATURES AND/OR WHERE BUILDING PRESSURE MUST REMAIN NEUTRAL.

IN BOTH CASES THE TIME CYCLE IS PROPORTIONAL TO OUTSIDE AIR TEMPERATURE



TITLE:		NU0406 SHOP DWG	
SIZE	DWG. NO.	REV	
A	70100	AC	
SCALE: 1:20	WEIGHT:	SHEET 1 OF 2	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: ANGULAR: BEND +1° TWO PLACE DECIMAL ±0.01 THREE PLACE DECIMAL ±0.001	DRAWN	NAME	DATE
		---	16/03/2012
	MODEL INFORMATION:		
	Model Name: NU600		
MATERIAL	Model Revision Level: A/C		
PROJECT: NU600	Drawing Revision Level: AA		
DO NOT SCALE DRAWING			

PROPRIETARY AND CONFIDENTIAL

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PORT DESIGNATIONS	
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