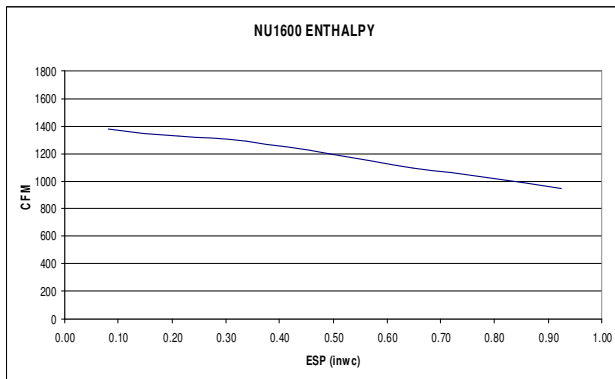


NU1600 ERV PRODUCT INFORMATION SHEET



CABINET: 22 ga galvanized steel with 1” foil faced fibreglass insulation. .050 pre-painted white aluminum finish optional.

ENERGY RECOVERY CORE: Polymer membrane enthalpy core – standard.

BLOWERS: DWDI direct-drive.

CERTIFICATION: Entella to model code CSA SPE-1000, AHRI 1060.

DEFROST METHOD:

Fan shut down defrost - The exhaust air after 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. When the exhaust air rises above 7 °C (45 °F) the HRV reverts to exchange mode.

ADDITIONAL FEATURES:

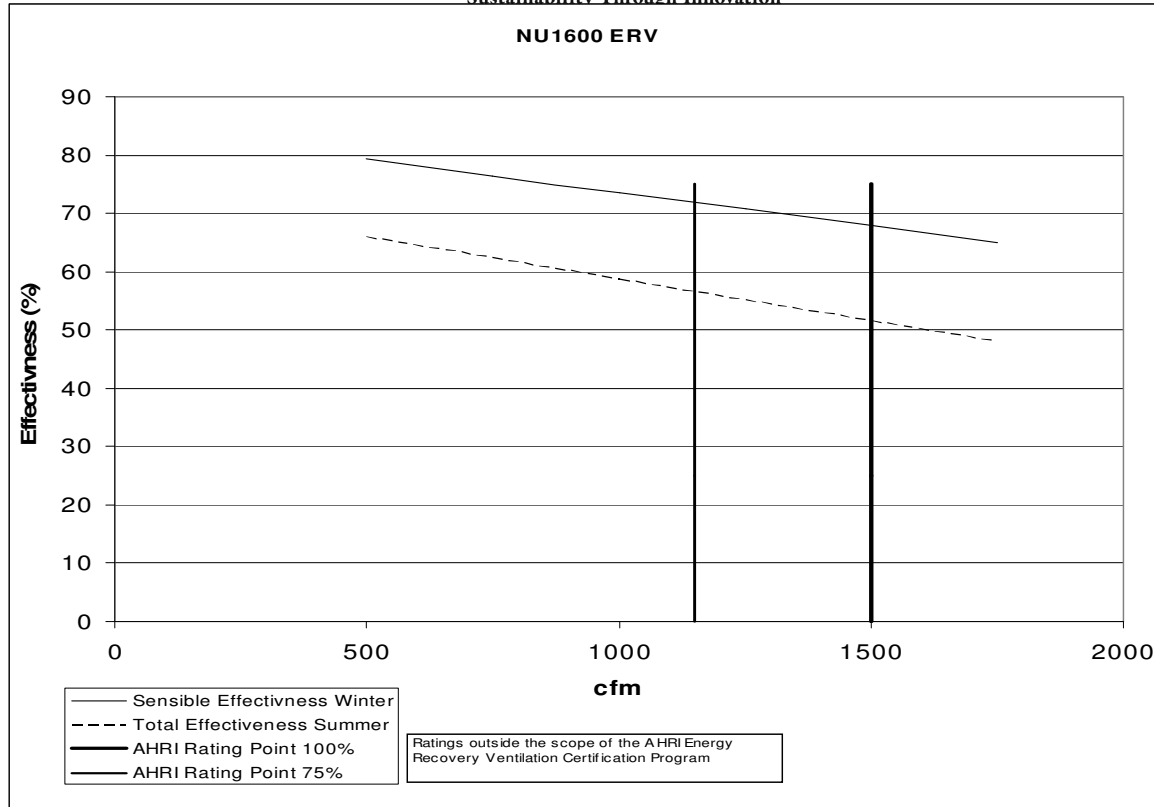
- Connection for 24V Lo/Hi switching
- Drain and hanger kit included
- 208-230 V single point internal connection
- 1" pleated filters, 30%-40% ASHRAE dust spot efficiency – STANDARD
- Two section core for easy removal & cleaning

CUSTOMIZATION

If an application requires a door or ports to be located differently, simply specify the configuration at the time of ordering. Custom controls, temperature and gas sensors, and remote-mounted heating coils (hydronic or electric) are all available.

NU1600 ERV	
AIR FLOW	1195cfm @ 0.49 in. w.c. 547 l/s @ 122.50 Pa
DUCT SIZE W x H	20 x 10 in. 508 x 254 mm
CORE SIZE L x W	24 x 24 x 28 in. 607 x 607 x 711 mm
CABINET SIZE (Lx H x D)	64 x 38 x 30 1626 x 956 x 762
BLOWERS (FWD CURVE DIRECT DRIVE)	GT12-10
MOTORS: PSC OPTIONAL: ECM	20 µf
HORSEPOWER:	1.0
VOLTS: PSC VOLTS: ECM	208-230/1/60 230-240/1/60
TOTAL FL AMPS: PSC TOTAL FL AMPS: ECM	13 18.2
RPM/SPEEDS: PSC RPM/SPEED: ECM	1075/2 1500/3

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.



Model no.	EXC-24S-15H-250
Type	Plate
Nominal Air Flow (scfm)	750
Pressure drop (inches)	0.63



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

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

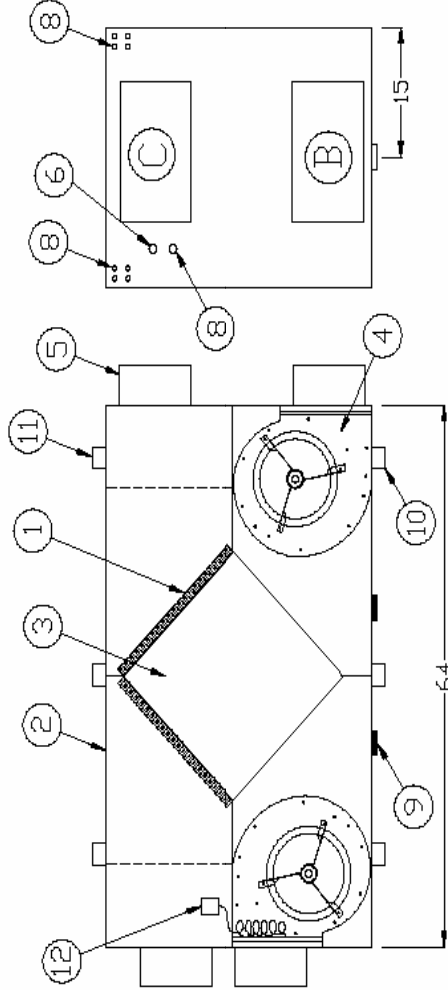
Thermal Effectiveness Ratings at 0" Pressure Differential			
	Sensible	Latent	Total
100% air Flow Heating	68	38	58
75% air Flow Heating	72	40	61
100% air Flow cooling	81	34	52
75% air Flow Cooling	87	38	57
	Net Sensible	Net Latent	Net Total
100% air Flow Heating	68	38	58
75% air Flow Heating	72	40	61
100% air Flow cooling	81	34	52
75% air Flow Cooling	87	38	57

Revised April 12th, 2010

Revised April 12, 2010

- (A) FROM OUTSIDE
- (B) TO SPACE
- (C) FROM SPACE
- (D) TO OUTSIDE

- 1) FILTERS 1" PLEATED
- 2) CABINET 22 GA GALVANIZED STEEL, OPTIONAL .050" WHITE ALUMINUM
- 3) HEAT EXCHANGER CORE POLY, ENTHALPY
- 4) BLOWERS DIRECT DRIVE FC DWDI GT12-10, 1HP
- 5) DUCT CONNECTIONS 20X10, 4" COLLARS
- 6) REMOTE CONNECTIONS
- 7) SINGLE POINT ELECTRICAL CONNECTION 208V-230V
- 8) MOUNTS FOR HANGER ASSEMBLY
- 9) 5/8" DRAINS
- 10) LATCHES
- 11) HINGES
- 12) DEFROST SWITCH WITH SENSOR WIRE



<p>APPROVED FOR DISTRIBUTION</p> <p>DATE: 06/26/08</p> <p>DRAWN: JWJ</p>		<p>DATE: 06/26/08</p> <p>DRAWN: JWJ</p>	
<p>REVISIONS</p> <p>REV: 1</p> <p>DESCRIPTION: NUI1600 SHOP DRAWING</p>		<p>TITLE: NUI1600 SHOP DRAWING</p>	
<p>SIZE: DWG. NO. 10529</p> <p>SCALE: NTS</p>		<p>REV: 1</p> <p>SHEET 1 OF 1</p>	
<p>UNLESS OTHERWISE SPECIFIED:</p> <p>DIMENSIONS ARE IN INCHES</p> <p>FRACTIONAL ±</p> <p>ANGULAR: MACH ±</p> <p>TWO PLACE DECIMAL ±</p> <p>THREE PLACE DECIMAL ±</p>		<p>NAME: JWJ</p> <p>DATE: 6/08</p> <p>CHECKED: BKG</p> <p>ENG APPR: 6/08</p> <p>MFG APPR:</p> <p>Q.A.:</p>	
<p>INTERPRET GEOMETRIC TOLERANCING PER:</p> <p>MATERIAL:</p> <p>FINISH:</p>		<p>NU-AIR VENTILATION</p> <p>16 NELSON STREET</p> <p>WINDSOR, ONTARIO, CANADA, B0N 2T0</p> <p>TEL: (508) 798 2561</p> <p>FAX: (508) 798 2557</p>	
<p>PROPERTY AND CONFIDENTIAL INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NU-AIR VENTILATION SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF NU-AIR VENTILATION SYSTEMS IS PROHIBITED.</p>		<p>USED ON TYPES</p> <p>APPLICATION</p>	
<p>THIRD ANGLE PROJECTION</p>		<p>DO NOT SCALE DRAWING</p>	