

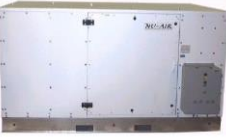







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Line Card: Compliant Series HRV's

Compliant Series	Nu-Air Advantage	Air Flow Range	Size LxHxD	Weight	Core	Duct Size	Defrost Type	Effectiveness Sensible
		CFM (L/S)	in (mm)	lb (kg)		in (mm)		
NU0820	 <ul style="list-style-type: none"> - Indoor/Outdoor - Double wall construction - Two DWDI belt drive blowers - Motors - TEFC (0.5 to 1.5 HP) - Voltages - 208/1 to 600/3 - OA/EA Damper Options - VFD optional 	800 – 2000 375 - 945	53 x 57 x 46 (1346 x 1448 x 1170)	780 (355)	Polypropylene	24 x 12 (610 x 305)	None FSD Recirculation Face & By-pass	63-65%
NU2035	 <ul style="list-style-type: none"> - Indoor - Double wall construction - Two DWDI belt drive blowers - Single speed PSC motors (standard) - VFD optional - Supply/Discharge options available - Power supplies & HP to meet specification 	2000 – 4000 940 - 2360	91 x 45 x 45 (2311 x 1143 x 1143)	1000 (455)	Polypropylene	32 x 16 (800 x 400)	FSD or Face & By-pass	59-62%
NU1030	 <ul style="list-style-type: none"> - Outdoor - Double wall construction - 22 gauge galvanized finish - Belt drive, FC, DWDI, single speed motors (standard) - VFD optional - 24V switching - Supply/Discharge options available - Power supplies & HP to meet specification 	1000 – 3000 475 - 1416	91 x 39 x 45 (2311 x 991 x 1143)	900 (409)	Polypropylene	24 x 12 (610 x 305)	FSD or Face & By-pass	59-62%
NU2540	 <ul style="list-style-type: none"> - Outdoor - Double wall construction - 22 gauge galvanized finish - Belt drive, FC, DWDI, single speed (standard) - VFD optional - 24V switching - Supply/Discharge options available - Power supplies & HP to meet specification 	2000 – 4000 944 - 2360	91 x 45 x 45 (2311x1143x1143)	1000 (455)	Polypropylene	32 x 16 (800 x 400)	FSD or Face & By-pass	59-62%

Line Card: Compliant Series ERV's

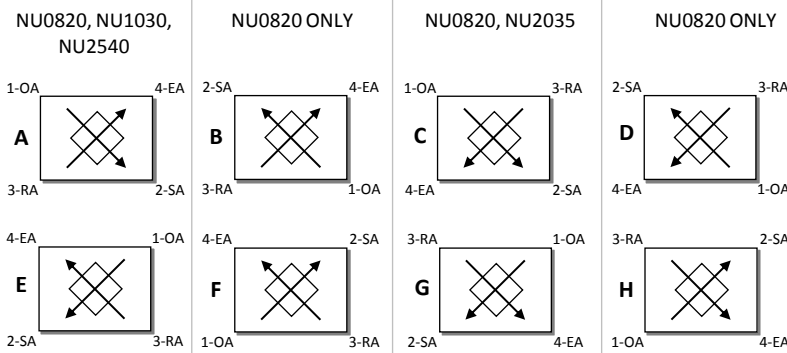
Compliant Series	Nu-Air Advantage	Air Flow Range	Size LxHxD	Weight	Core	Duct Size	Defrost Type	Effectiveness Sensible
		CFM (L/S)	in (mm)	lb (kg)		in (mm)		
NU0820ERV	 <ul style="list-style-type: none"> - Indoor/Outdoor - Double wall construction - Two DWDI belt drive blowers - Motors - TEFC (0.5 to 1.5 HP) - Voltages - 208/1 to 600/3 - OA/EA Damper Options - VFD optional 	800 – 2000 375 - 945	53 x 57 x 46 (1346 x 1448 x 1170)	780 (355)	Enthalpic	24 x 12 (610 x 305)	None FSD Recirculation Face & By-pass	Up to 71%
								Up to 70%
NU2035ERV	 <ul style="list-style-type: none"> - Indoor - Double wall construction - Two DWDI belt drive blowers - Single speed PSC motors (standard) - VFD optional - Supply/Discharge options available - Power supplies & HP to meet specification 	2000 – 4000 940 - 2360	91 x 45 x 45 (2311 x 1143 x 1143)	1000 (455)	Enthalpic	32 x 16 (800 x 400)	FSD or Face & By-pass	Up to 79%
								Up to 70%
NU1030ERV	 <ul style="list-style-type: none"> - Outdoor - Double wall construction - 22 gauge galvanized finish - Belt drive, FC, DWDI, single speed motors (standard) - VFD optional - 24V switching - Supply/Discharge options available - Power supplies & HP to meet specification 	1000 – 3000 475 - 1416	91 x 39 x 45 (2311 x 991 x 1143)	900 (409)	Enthalpic	24 x 12 (610 x 305)	FSD or Face & By-pass	Up to 71%
								Up to 70%
NU2540ERV	 <ul style="list-style-type: none"> - Outdoor - Double wall construction - 22 gauge galvanized finish - Belt drive, FC, DWDI, single speed (standard) - VFD optional - 24V switching - Supply/Discharge options available - Power supplies & HP to meet specification 	2000 – 4000 944 - 2360	91 x 45 x 45 (2311x1143x1143)	1000 (455)	Enthalpic	32 x 16 (800 x 400)	FSD or Face & By-pass	Up to 79%
								Up to 70%

Nomenclature

NU2035 - G - 2 - 2 - 2 - 2 - 1 - 2 - 1 - e - d - p - g - 1 - 1

<p>MODEL NU0820 NU2035 NU1030 NU2540</p>	<p>CONFIGURATION A B C D E F G H</p>	<p>OUTSIDE AIR (OA) 1-Vertical 2-Horizontal 4-Horizontal w/ mtr BD damper</p>	<p>SUPPLY AIR (SA) 1-Vertical 2-Horizontal</p>	<p>RETURN AIR (RA) 1-Vertical 2-Horizontal</p>	<p>EXHAUST AIR (EA) 1-Vertical 2-Horizontal 4-Horizontal w/ gravity BD damper</p>	<p>DEFROST 0-None 1-Fan 2-Timed Fan 4-Face & Bypass 5-Face & Bypass w/Economizer</p>	<p>END SWITCH 1-Yes</p>	<p>24 VAC DIRTY FILTER CONTACT 0-No 1-Yes</p>	<p>CABINET SKIN g-Galvanized a-Aluminum (White-painted)</p>	<p>RECOVERY CORE p-Polypropylene e-Enthalpic</p>	<p>EXHAUST MOTOR a-1/2 HP d-1.5 HP b-3/4 HP e-2 HP c-1 HP f-3 HP</p>	<p>SUPPLY MOTOR a-1/2 HP d-1.5 HP b-3/4 HP e-2 HP c-1 HP f-3 HP</p>	<p>VARIABLE FREQUENCY DRIVE (VFD) 0-None 1-Yes</p>	<p>VOLTAGE 1-240/1 4-460/3 2-208/3 5-575/3</p>	<p>NOTE: NOT ALL OPTIONS ARE AVAILABLE WITH ALL MODELS</p>
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Typical Configurations



Certifications



All units conform to CSA SPE1000 and AHRI 1060.

WARRANTY

Nu-Air warrants its Compliant Series HRV's for two (2) years on all electrical components including motors, circuit boards, transformers, switches, etc. There is a fifteen (15) year warranty on polypropylene HRV (sensible) cores and a five (5) year warranty on ERV (latent) cores.

Revised October, 2015

Defrost Recommendations*

TYPE	WINTER DESIGN TEMP.		FACTORY DEFAULT TIMING**	
	° C	° F	RUN	DEFROST
0 – NONE	> -5	> 23	n/a	n/a
1 – FAN SHUT-DOWN	> -10	> 14		
2 – TIMED FAN SHUT-DOWN	> -15	> 5	60 min.	10 min.
3 – RECIRCULATION	> -15	> 5	60 min.	10 min.
4 – FACE & BYPASS	Uninterrupted ventilation and free cooling.			

*notwithstanding other design considerations such as building pressure, preheat, delivered air temp., etc.

**Field adjustable.

1 – Supply fan shuts off when EA 0C (32F). Normal operation resumes when EA is 8C (47F).

2 – Supply fan shuts off for defined time when OA is nominal 0C (32F).

3 – Non-negative pressure defrost when EA is nominal 0C (32F).

4 – Heat exchanger bypassed in a temperature activated cycle.

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