

Enerboss EN Series



- ✓ Hydronic
- ✓ Integrated H/ERV (optional) and circulator
- ✓ ECM motor

Enerboss EE Series



- ✓ Electric
- ✓ Integrated H/ERV (optional) and circulator
- ✓ ECM motor

PCAH/ECAH Series



- ✓ Hydronic
- ✓ PSC or ECM motor
- ✓ Economical option

An Air Handler for Every Application

Pick your energy source, geothermal, gas, to straight electric, and chances are that Nu-Air has you covered with the most efficient, adaptable range of air handlers available.

Higher Productivity

By integrating components that would traditionally need to be bought, installed and serviced separately, we do our best to save you as much time, work and money as possible with integration.

Value and Efficiency

Contractors and homeowners will get maximum value from our air handlers because we build maximum efficiency into every product we make. Optimized coils, adjustable motor speeds, EC technology and system integration are just some of the features which make our air handlers the equipment of choice in some of the most progressive building projects in North America.

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ENERBOSS

EN Series

Hydronic air handler with integrated heat/energy recovery ventilator

Get more from your hot water—and save by doing it. When you heat, cool and ventilate your home with an EN Series Enerboss, you will cut installation/operating costs while improving the efficiency of your hot water appliance. No other air handler offers all these benefits:

Flexibility

- ✓ Use Boilers, tanks, water heaters, or heat pumps.
- ✓ Heating capacities 13 – 141 MBH, cooling 18 – 60 MBH.
- ✓ Traditional or Hi-V duct systems.
- ✓ Reduced space requirement over individual systems.
- ✓ Two-speed, adjustable HRV with wet-room exhaust.
- ✓ 12 selectable heating and cooling speeds.
- ✓ Compatible with Win-20 timer, two-wire d-stat, IAQ sensors.

Comfort

- ✓ Quiet, energy efficient ECM motor: continuous circulation and filtration at low speed and low power draw.
- ✓ No recirculation of exhaust air.
- ✓ Unique proportional ventilation strategy – will not over ventilate during calls for heating or cooling.
- ✓ 5-year warranty on internal components, lifetime on HRV core.

Efficiency

- ✓ **NEW 2104: Variable fan speed based on water OR air temp.**
- ✓ Integral secondary heat exchanger elevates condensing efficiency.
- ✓ Pump, pump exerciser and component logic built in.
- ✓ 21% SEER improvement and superior de-humidification with split system cooling.



Specifications	4X Series	7X Series	9X Series
Nominal Dimensions W x D x H (inches)—with HRV	24x17x60	23x27x48	23x27x48
Nominal Dimensions W x D x H (inches)—no HRV	25x17x36	23x27x36	23x27x36
Heating/Cooling CFM (12 selectable speeds)	315-902	540-1155	1260-2090
Heat Output (MBH) 100F-180F	11-86	15-97	22-122
Circulation CFM (12 selectable speeds)	142-406	243-520	567-941
HRV CFM (high/low speeds, both adjustable)	130/50	150/60	150/60
HRV ASE/SE %	79/62	82/65	82/65
*Watts Heating (incl. pump, motors, etc.) HRV/no HRV	232/177	296/241	951/500
*Watts Circulation " " " HRV/no HRV	94/39	97/42	124/55
Duct Connection (inches)	Supply Air	20x10	22x22
	Return Air	16x6	20x16
	HRV	6 (dia.)	6 (dia.)
Nominal Water Flow (US GPM)	3-5	3-5	3-5
Pipe Size (inches)	1/2	3/4	3/4
Transformer (note electrics: 120/1/60)	40 VA	40 VA	40 VA

*At Factory ECM setting

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EE Series

Electric furnace with integrated heat/energy recovery ventilator

Get the power to reduce electricity bills. EE Series air handlers offer all the unique benefits of their EN Series counterparts, but offer an excellent solution where combustion water heating appliances are not the alternative of choice, or where air-to-air heat pumps are used.



Rest at Ease with a 5-year warranty on internal components and lifetime on the HRV core.

- **3 Models**
 - ✓ 10 kW – single stage
 - ✓ 15 kW – 2 stage
 - ✓ 20 kW – 3 stage
 - ✓ Staging logic built right into circuit board
 - ✓ 40 VA transformer
- **Main Fan**
 - ✓ ECM motor with 12 heating and 12 cooling speeds to select from.
- **Fully featured 150 cfm HRV including:**
 - ✓ Dedicated wet room exhaust
 - ✓ Electronic speed control
 - ✓ Recirculation defrost
 - ✓ Push button timers (20 min), IAQ sensor use
 - ✓ Regulating damper to prevent over-ventilation during heating or cooling.



Dedicated wet room exhaust eliminates bathroom fans.



Reliable cold-weather ventilation with neutral pressure defrost.

Model	Dimensional Data			Blower Data (defaults)			Electrical Data			
	Width (in)	Height (in)	Depth (in)	Low	Med	High	Volts	FLA	MCA	Min conductor AWG
EE10	23	48	27	458	578	880	N/120/240	49.6	60	8
EE15				520	750	1000		70.5	80	6
EE20				624	900	1200		91.3	100	4

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Compact Hydronic Air Handlers

PCAH Series—An economical and efficient alternative to the EN Series, and ready to go right out of the box.

- ✓ 3-row high efficiency coil.
- ✓ 2 and 3 speed motors.
- ✓ Up-, down- or side-flow.
- ✓ 24 VAC, 20 VA transformer for t-stat, aux. components.
- ✓ Relay contact closure for boiler, pump, t-stat, etc.
- ✓ Return air collar, filter included.
- ✓ .05 aluminum (pre-painted white) cabinet.
- ✓ One-year warranty.



Specifications	PCAH2		PCAH3			PCAH4		
Dimensions W x D x H"	24x18x26		24x18x26			24x25x33		
CFM/Speed @ 0.4 esp	650	700	900	1050	1150	1150	1350	1600
MBH 140F @ 2/4 US GPM	34/42	35/42	39/51	41/55	42/57	41/57	43/61	44/64
MBH 160F @ 2/4 US GPM	45/55	46/55	55/66	53/71	54/74	54/74	56/79	59/84
MBH 180F @ 2/4 US GPM	55/67	57/67	62/81	65/87	67/91	66/100	69/97	72/104
Duct Connection	Supply	20x10	20x10			20x20		
	Return	20x10	20x10			16x20		
Motor HP	1/3		1/2			1		
Electrical V/Hz/A/W (High)	120/60/5/768		120/60/8/912			240/60/6/1248		
Pipe Size (inches)	1/2		1/2			3/4		

ECAH40—All the features of the PCAH3 with the added benefit of ECM.



- ✓ 3-speed ECM preset to 400, 600, 800 cfm.
- ✓ 3-row high efficiency coil.
- ✓ Up-, down- or side-flow.
- ✓ 24 VAC, 20 VA transformer for thermostat and auxiliary components.
- ✓ Relay contact closure for boiler, t-stat, pump, etc.
- ✓ 20x10 return air collar/filter included.
- ✓ .05 aluminum (pre-painted white) or 22 ga. galvanized cabinet.
- ✓ One-year warranty.

Heating Output: 19-53 MBH (140-180F, 2-4 US GPM)
CFM @ 0.4 esp/speed: 350/525/670
Electrical: 115/1/60
Pipe Size: 1/2"

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