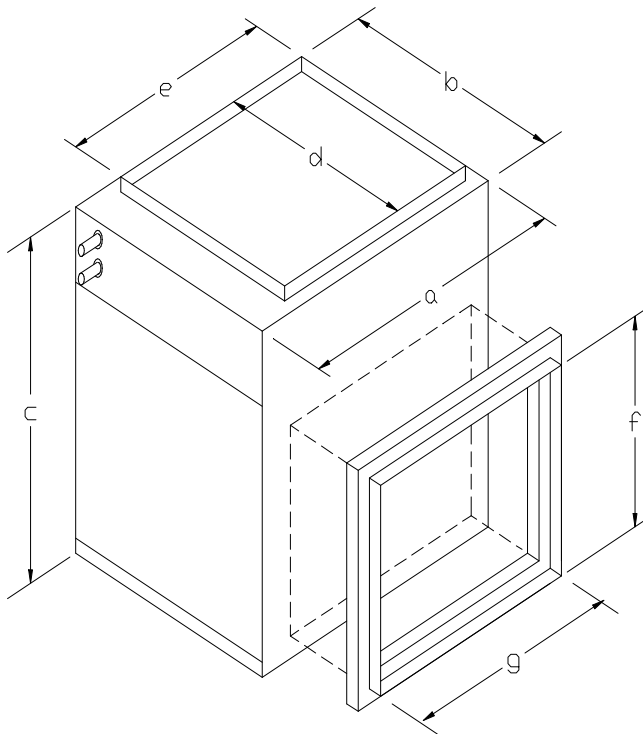


Economical high-velocity air handlers work with domestic water heaters or boilers to provide space heating for any home.

Features:

- High efficiency EC motor for electrical savings
- Four heating / six cooling speeds selectable by the installing contractor (optional 8 and 12 speeds).
- Utilizes Vortex small-D Duct System Design to provide maximum flexibility to easily adapt to retrofit and new construction applications.
 - Combination of 3" and 4" duct materials take advantage of conventional materials for ease of design and installation.



- **Comfortable:** delivers warmer, more comfortable air than typical combo systems, heat pumps and many furnaces.
- **Quiet performance:** engineered and dynamically balanced for quiet operation.
- **Good value:** costs less to install than a furnace, yet provides better comfort.
- **Dependable:** unlike a furnace, the eco-pac HV™ has no burner or vent system to fail.
- **A total package:** add air conditioning and air filtration for complete indoor comfort.

Physical Properties

Model Type	Cabinet dimensions			Supply air	Return air	water inlet and outlet	Shipping Weight
	a	b	c	d x e	f x g		
EP30	20"	14"	24.3"	12"x16"	14"x18"	1/2"	80 lb.
EP45 to EP80	25"	22"	31.5"	20"x20"	18"x23"	3/4"	110 lb.
EP100	25"	22"	53.25"	20"x20"	18"x23"	3/4"	120 lb.

- **Four heating capacities** available to the installing contractor (optional 8 total).
- **Coil pre-heat** to prevent “cold blow” at start-up
- **Modulates on heating** to reduce noise, reduce electrical consumption and improve comfort.
- **Six cooling airflows** easily selectable by the installing contractor to match any air conditioning condenser (optional 12 total).
- **Flexible mounting:** unit mounts in any direction -- up, down, horizontal discharge left or right.
- **Return air:** can be mounted on left or right side, bottom, or back of unit.
- **Easy servicing:** Heating coil slides out front; all parts accessible through the front.
- **Add-on cooling:** is easy with a slab coil or A coil.

Options available:

- **Cooling Dehumidification** available through the easy installation of a dehumidistat
- **Freeze protection:** optional add on sensor available
- **Daily pump exerciser:** optional cycle timer available as special order

Unit Specifications: eco-pac™ air handlers

MODEL	EP30 Med	EP30 High	EP45 EP63 Med	EP45 EP63 High	EP70 Med	EP70 High	EP80 Med	EP80 High	EP100 Med	EP100 High
Number of 4” outlets ¹	5	7	8	10	9	12	12	17	15	20
Cooling Capacity (Tons)	1.5	2.0	2.0	2.5	2.5	3.5	4.0	5.0	4.0	5.0
Heating Capacity (MBH) 130F water ³	24	28	48	58	56	65	66	73	77	91
Heating Capacity (MBH) 140F water ³	26	30	51	63	60	70	73	80	90	106
Heating Capacity (MBH) 160F water ³	32	37	65	81	76	90	94	103	115	135
Heating Capacity (MBH) 180F water ³	41	48	81	100	93	110	114	125	139	164
(USGPM) Heating	3.0	3.0	4.8	4.8	4.8	4.8	4.8	4.8	7.0	7.0
Max. Heating Airflow ²	600	800	900	1200	1050	1400	1350	1900	1350	1900
Max. ESP (in.WC) ²	2.3	0.9	1.5	0.6	1.8	1.1	1.8	0.7	1.8	0.6
Blower Motor Full Load (Amps)	5.5	5.5	5.5	5.5	7.7	7.7	9.6	9.6	9.6	9.6
Circulator Full Load (Amps)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

1. Based on 12.5 feet length of 4 inch flex per branch with 4x10 grille. Two 3 inch flex branches are equivalent to one 4 inch branch. Refer to SmallD Design for options.
2. Air flows and ESP based on number of outlets and selected heating/cooling speed. Higher ESP are available at lower airflows (speed 3 and 4). Contact Vortex for performance at speed 3 and 4 (low).
3. Based on 70F return air. Contact Vortex for performance at lower water temperatures.