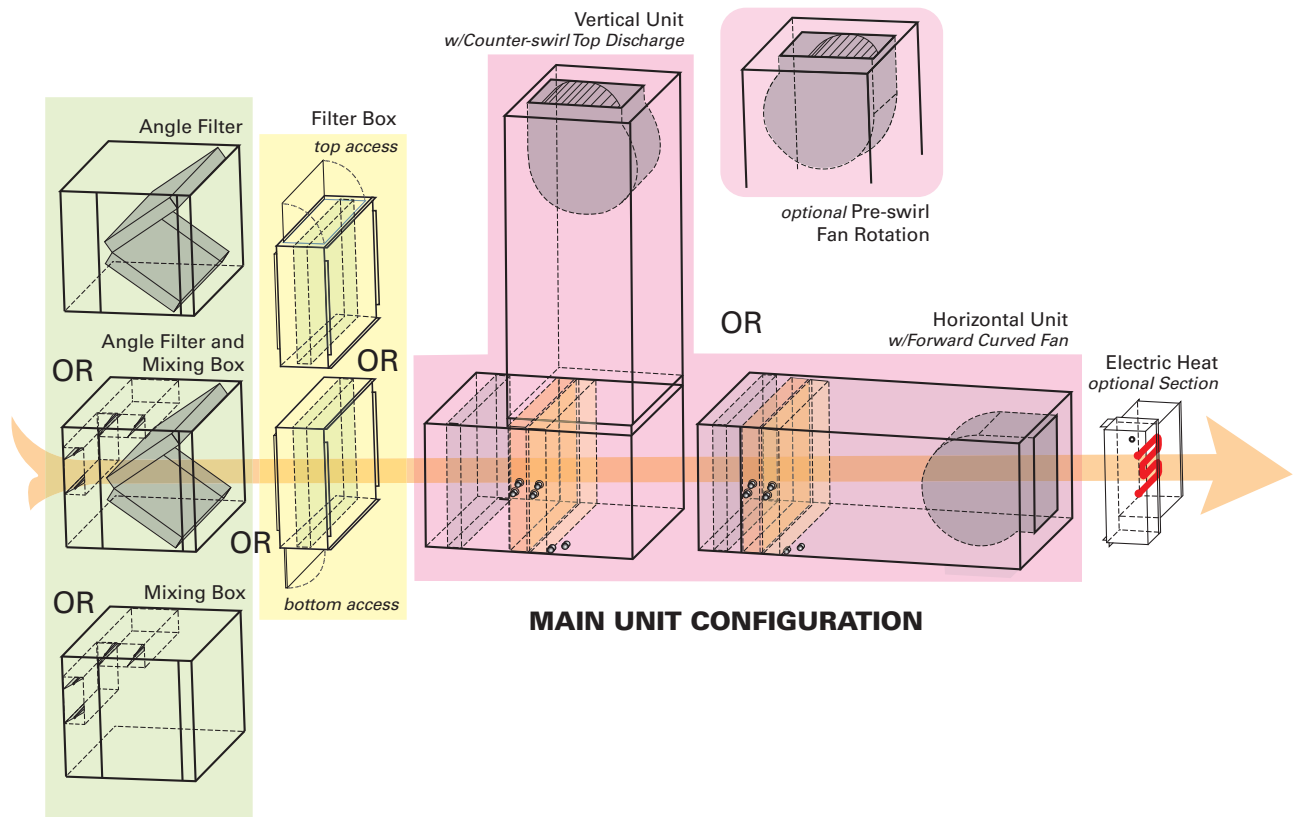




Quick Select

Blower Coil

Added Features without Added Cost





Easy Installation and Service, Factory-Mounted Accessories

Blower Coil

The blower coil model BCHC/BCVC, accommodates a variety of applications while providing a low cost method of air conditioning and/or heating buildings. These compact, low profile units can fit in small spaces and are floor- or ceiling-mounted. With a minimum of effort, they can be relocated as building needs change.

Easy to Install

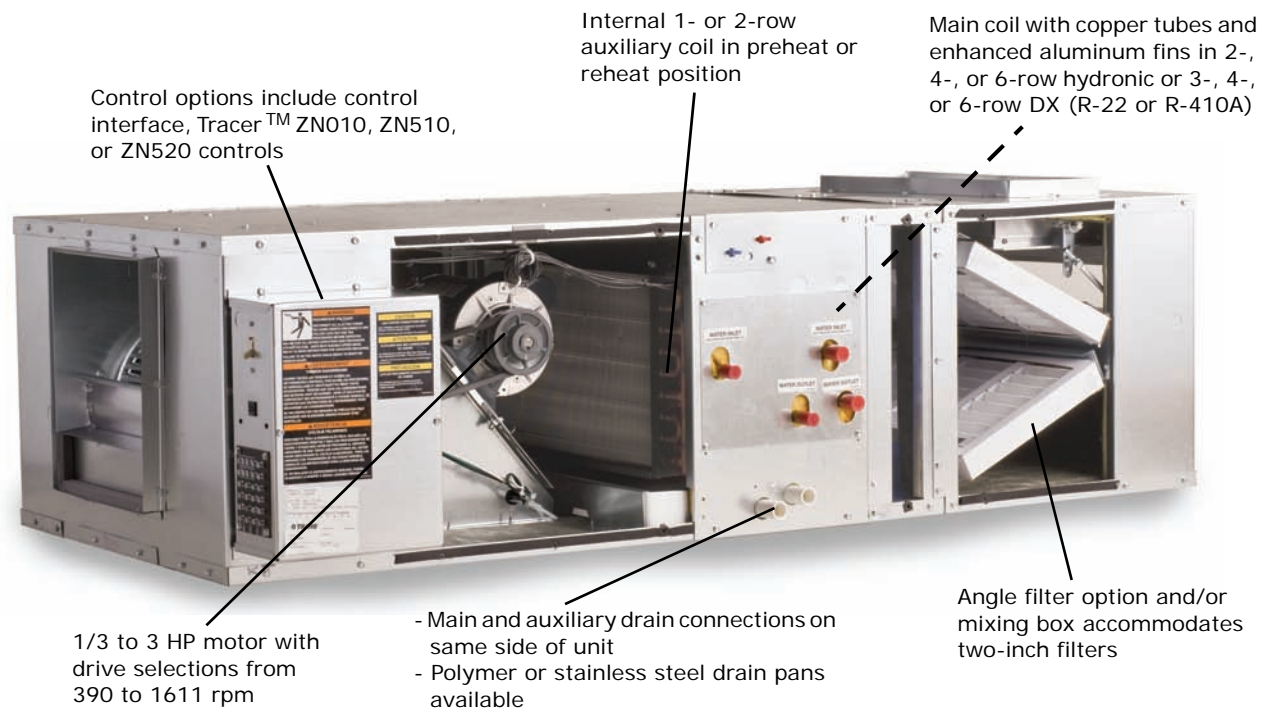
- Single-point power to reduce jobsite installation time and labor.
- Installation does not require additional field-supplied accessories.
- Factory-mounted controls or end devices.

Easy to Clean

- Double-sloped, removable drain pans, polymer or *optional* stainless steel.
- *Optional* foil-faced insulation.
- Easily removable coils mount above the drain pan to aid cleaning.

Easy to Service

- *Optional* bottom filter access.
- Only the drive side of the unit needs access to service the motor.



Other Options

- Factory-mounted electric heat with single-point power connections.
- Factory-built piping packages with control valves for field installation.
- A steam coil module is available in the preheat position.

Selection Procedure

1. Determine unit capacity to support cooling/heating needs.
2. Consider your system and choose the appropriate sections.
3. Verify air and water flow fall within the unit's operating limits (cfm/gpm).
4. Determine overall dimensions and weight.
5. Note that for a given unit size, the height and width are the same size for all sections.
6. Finalize fan and coil selections using the fan curves in catalog UNT-PRC003-EN, or use the Trane Official Product Selection System, TOPSS™.

Table 1. General unit data

Unit Size	12	18	24	36	54	72	90
Coil Face Area (ft ²)							
Hydronic and DX	0.89	1.11	1.67	2.67	4.00	5.00	6.67
High-Capacity	0.89	1.11	1.67	2.67	3.89	4.86	6.25
Steam	0.71	0.88	1.75	2.75	4.13	5.13	6.83
Airflow Range ^(a)	250–500	375–675	500–1000	750–1600	1125–2400	1500–3000	1875–4000
Fan Max rpm ^(b)	2300	2300	1800	1800	1500	1500	1500
Motor hp	0.33–1.0	0.33–1.0	0.33–1.0	0.33–1.5	0.33–2.0	0.33–3.0	0.33–3.0
Flat Filter (Qty/in.)	(1) 12 x 24	(1) 12 x 24	(1) 16 x 25	(2) 16 x 20	(2) 20 x 20	(1) 20 x 20 (1) 20 x 25	(3) 16 x 25
Angle Filter (Qty/in.)	(2) 12 x 24	(2) 12 x 24	(2) 12 x 24	(2) 20 x 20	(4) 16 x 20	(4) 16 x 20	(4) 20 x 20

(a) Minimum cfm limit applies to units with hot water, steam, or electric heat. There is no airflow limit for cooling-only units. Maximum airflow limits are to help prevent moisture carry-over.

(b) Fan maximum rpm is based on 60 Hz motor.

Table 2. Dimensions (in.) and weights (lb)

Unit size		12	18	24	36	54	72	90
Horizontal Unit ^(a)	Height	14	14	18	18	22	22	28
	Width	24	28	28	40	40	48	48
	Length	39.7	39.7	44	44	49	49	52
	Weight ^(b)	70.4	76.1	98.9	116.1	138.9	152.2	174.8
Vertical Unit ^(a)	Height	–	–	62	62	71.25	71	80
	Width	–	–	28	40	40	48	48
	Length	–	–	28	28	30	30	30
	Weight ^(b)	–	–	150.3	180.4	206.4	228.2	258.4
Angle Filter / Damper Section	Length	22	22	19.5	24.5	23.5	23.5	27.6
	Weight	36.0	41.0	43.0	56.0	72.0	72.5	84.1
Bottom / Top Filter Section	Length	24	28	28	40	40	48	48
	Weight	15	17	18	25	28	32	37
Steam Coil Section	Length	21	21	21	21	21	21	21
	Weight ^(c)	34	37	40	48	50	56	63

(a) Basic unit includes fan, drives, reheat coil, main coil, and 2" flat filter.

(b) Weight of basic unit includes cabinet, fan, average drive, wiring, and average filter. Add 9 lb to basic weight for control box if applicable.

(c) Weight of steam coil section includes standard filter, but does not include coil.

Table 3. Available electric heat, min-max (kW)

Voltage	12	18	24	36	54	72	90
115/60/1	1–3	1–3	1–3	1–3	1–3	1–3	1–3
208–230/60/1	1–4	1–6	1–8	1–8	1–8	1–8	1–8
277/60/1	1–4	1–6	1–8	1–11	1–11	1–11	1–11
208–230/60/3	1–4	1–6	1–8	1–11	1–12	1–12	1–12
460/60/3	1.5–4	1.5–5	1–8	1–11	1–16	1–21	1–30
575/60/3	2–4	2–4	1–8	1–11	1–16	1–21	1–30

Notes:

1. Heaters are available in 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 kW increments.

2. Units with electric heat must not run below the minimum cfm shown in [Table 1](#).

3. Refer to catalog (UNT-PRC003-EN) for specific electric heat features.

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