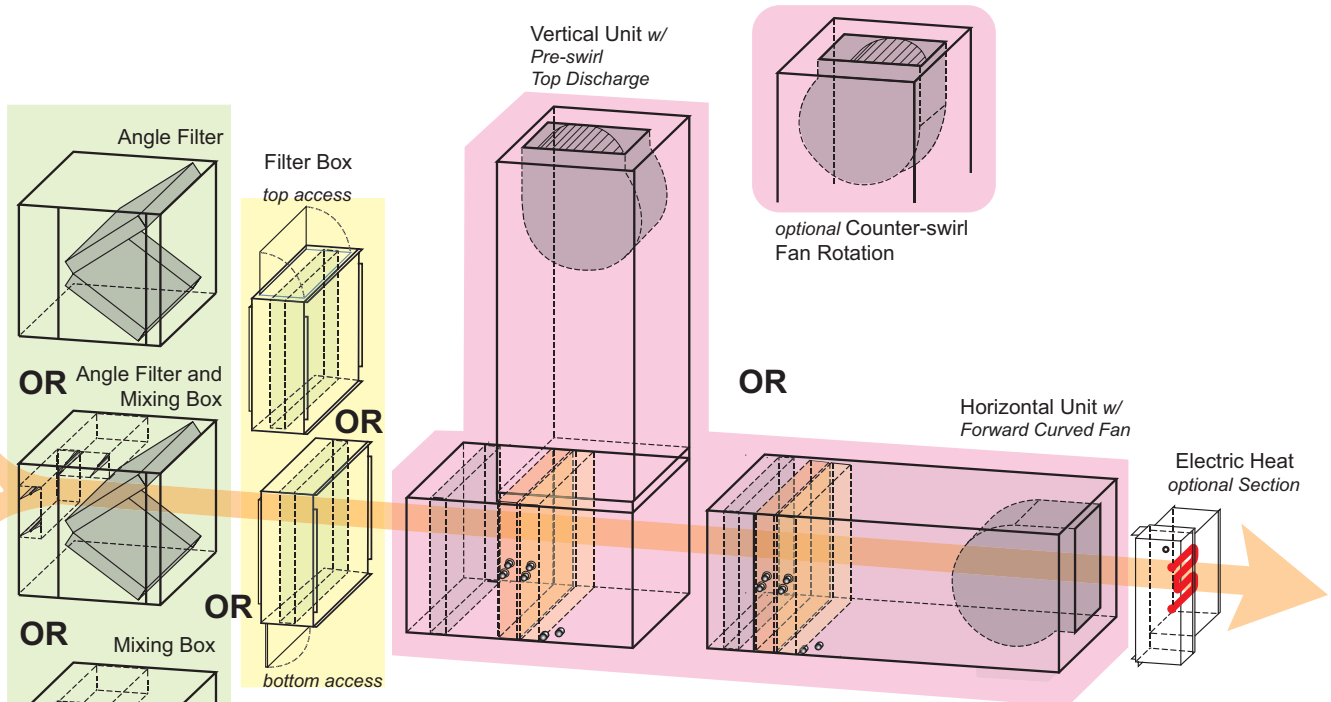




# Blower Coil Quick Select



## MAIN UNIT CONFIGURATION

**Table 1: General Unit Data**

Unit Size	12	18	24	36	54	72	90
Coil Face Area (ft <sup>3</sup> )	1.04	1.74	2.78	3.89	4.86	6.25	6.25
Airflow Range <sup>1</sup>	250-500	375-675	500-1000	750-1600	1125-2400	1500-3000	1875-4000
Fan Max. RPM <sup>2</sup>	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	(1) 20 x 20 (1) 20 x 25	(3) 16 x 25	(2) 20 x 25 (1) 16 x 25
Angle Filter (qty/in)	(2) 12 x 20	(2) 12 x 24	(2) 12 x 24	(2) 20 x 20	(4) 16 x 20	(4) 16 x 20	(4) 20 x 20

- Minimum CFM limit applies to units with hot water or electric heat. There is no airflow limit for cooling only units. Maximum airflow limits are to help prevent moisture carry over.
- Fan RPM max is based on 60 Hz. motor.

**Table 2: Dimensions and Weights**

Unit Size	12	18	24	36	54	72	90
Horizontal Unit <sup>1</sup>	Height (in.)	14	14	18	18	22	28
	Width (in.)	24	28	28	40	40	48
	Length (in.)	40 3/4	40 3/4	46	46	49	52
	Weight <sup>2</sup> (lbs.)	71.5	77.4	104.1	121.6	138.9	174.8
Vertical Unit <sup>1</sup>	Height (in.)	-	-	65 1/2	65 1/2	72 1/2	81 1/2
	Width (in.)	-	-	28	40	40	48
	Length (in.)	-	-	44	44	47	50
	Weight <sup>2</sup> (lbs.)	-	-	155.5	185.9	206.4	258.4
Angle Filter/Damper Section	Length (in.)	22	22	19 1/2	24 1/2	23 1/2	27 5/8
	Weight (lbs.)	36.0	41.0	43.0	56.0	72.0	84.1
Bottom/Top Filter Section	Length (in.)	24	28	28	40	40	48
	Weight (lbs.)	15.0	17.0	18.0	25.0	28.0	37.0

- Basic unit includes fan, drives, reheat coil, main coil, and 2" flat filter.
- Weight of basic unit includes cabinet, fan, average drive, wiring, and average filter.
- Add 9 lbs. to basic weight for control box if applicable.

**Table 3: Available Electric Heat kW (min/max)**

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	2-6	1-8	1-11	1-16	1-21	1-30

- Heaters are available in 1,1.5,2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7.75,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30 kW increments.
- Units with electric heat must not run below the minimum CFM shown in Table 1.
- Refer to catalog UNT-PRC003-EN for specific electric heat features.

## Selection Procedure

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

## Easy Installation and Service

# Blower Coil

## Added Features

### Blower Coil

The blower coil model BHC/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.

Control options include, Control Interface, Tracer™ ZN010, ZN510, or ZN520 Controls

1/3 to 3 HP motor with drive selections from 390 to 1611 RPM

- Main and auxiliary drain connections on same side of unit.
- Polymer or stainless steel drain pans available.

### Other Options

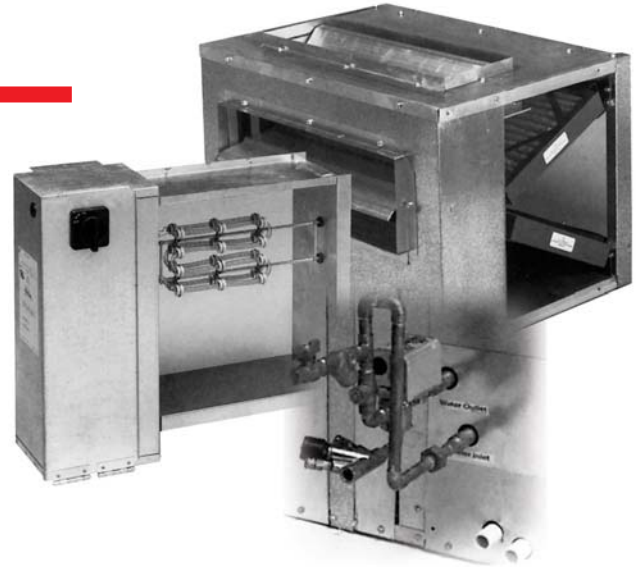
- Factory mounted electric heat with single-point power connections.
- Factory built piping packages with control valves for field installation.

### Easy to Clean

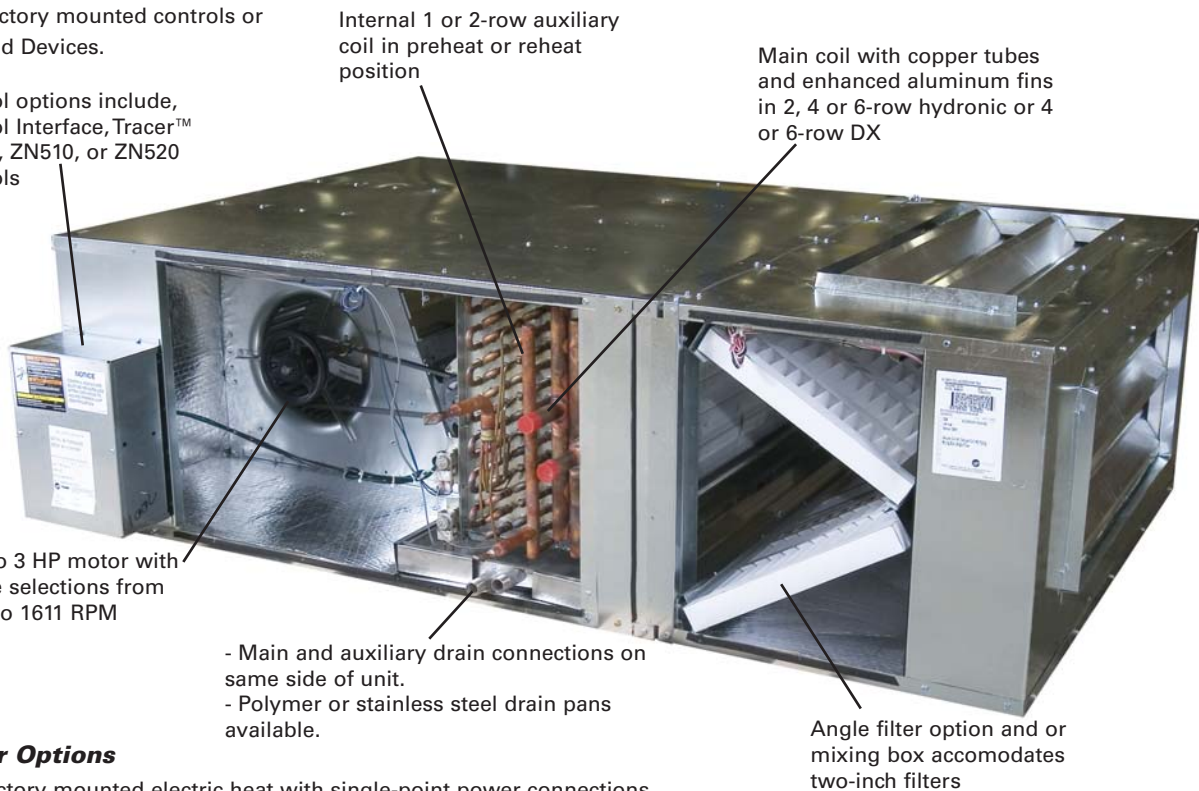
- Double-sloped, removable drain pans, polymer or *optional* stainless steel.
- *Optional* foil-faced insulation.
- Easily removable coils mount above the drain pan to aid cleaning.

### Easy to Service

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



### Factory Mounted Accompaniments



**Trane**  
A business of American Standard Companies  
[www.trane.com](http://www.trane.com)

Literature Order Number	BC-SLB004-EN
Date	June 2006
Supersedes	New
Stocking Location	Inland

For more information, contact your local district office or e-mail us at [comfort@trane.com](mailto:comfort@trane.com)

Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.