



# VL\* SERIES STUD / WALL MOUNT AIR HANDLERS “AAA” ALUMINUM / COPPER DX COIL



## PRODUCT FEATURES

- Vertical Up-Flow Applications
- Front Return Air or Bottom Return
- Fully Insulated Cabinet
- Tabs for Stud or Wall Mounting are Stamped into Cabinet Exterior
- Long Life Aluminum or Copper DX Coils
- Aluminum Fins and End Plates
- 1.0 to 3.0 Ton Cooling Capacity
- Polymer Drain Pan
- 3/4” MPT Primary and Secondary Drains
- 3/8” Liquid Refrigerant Line
- 3/4” Suction Refrigerant Line
- 24 Volt Control Transformer
- 208/230 VAC Operation

## OPTIONAL FEATURES

- Factory or Field Installed TXV, Heat Pump TXV, and Check Valve
- Lower Coil Panel for Bottom Return
- Front Return Grilles
- Factory Installed Electric Heat, Disconnect, and Float Switch
- \*Freeze-Stat or Enter Water T-Stat
- ECM X-13 Motors



**WARNING**

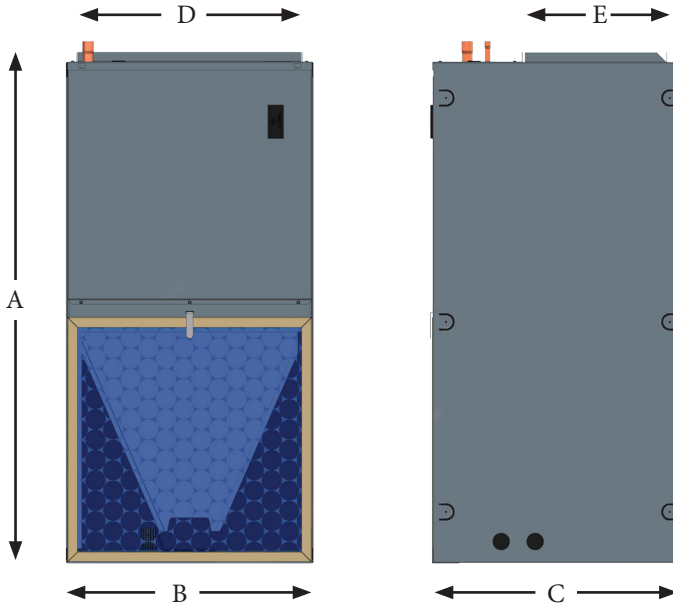


Warranty will be voided if any chemical cleaning products are used on any AllStyle coils. AllStyle suggests water and a soft, bristled brush.





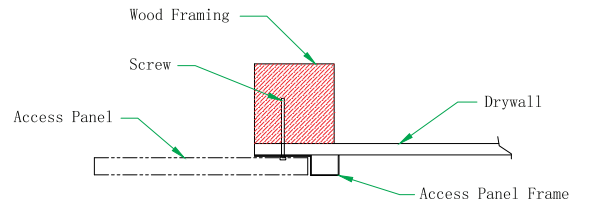
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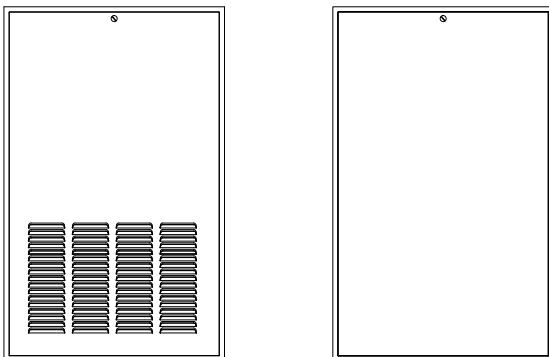
**Cabinet Dimensions**

Model	Cabinet Height - A	Cabinet Width - B	Cabinet Depth - C	Plenum Width - D	Plenum Depth - E	Filter Size
VL 18 - 24	36.75"	18.25"	18.25"	16.50"	10.50"	18"x18"x1"
VLD (B,F) 18 - 36	40.00"	20.00"	23.00"	18.50"	16.00"	20"x20"x1"
VLDW (B,F) 18-36	40.00"	20.00"	23.00"	18.50"	16.00"	20"x20"x1"
VLL 30 - 36	40.00"	24.00"	24.00"	22.25"	18.00"	24"x24"x1"

AllStyle Coil Company, L.P. air handlers have a variety of application and sizes. View our products at [www.allstyle.com](http://www.allstyle.com)



Installation Detail



Optional Return Grilles		
Model	Height	Width
<b>Unit Mounted Grilles</b>		
RTS - 1AS	41.75"	22.75"
RTS - 2AS	41.50"	22.50"
<b>Wall Mounted Grilles</b>		
RTU - 1AS	41.75"	22.75"
RTU - 2AS	44.75"	24.75"

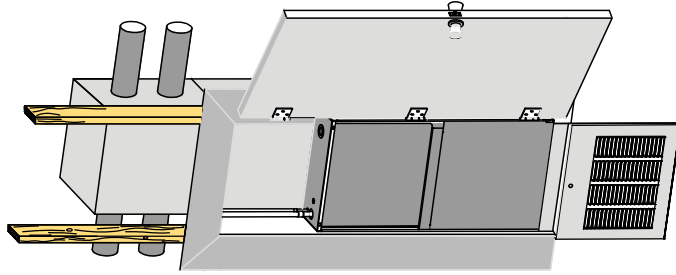
Electrical Specifications PSC Motors								
Model	kW @ 240 VAC	BTUH	AMPS		MCA Ckt 1	MCA Ckt 2	MOP Ckt 1	MOP Ckt 2
			HTR	Motor				
VL 18 - 24	0	0	0	1.5	2	0	15	0
VL 18 - 24	3	10,239	12.5	1.5	18	0	20	0
VL 18 - 24	4.8	16,382	20	1.5	27	0	30	0
VL 18 - 24	6	20,478	25	1.5	33	0	35	0
VL 18 - 24	7.5	25,598	31.3	1.5	41	0	45	0
VL 18 - 24	9.6	32,765	40	1.5	52	0	55	0
VL* 30 - 36	0	0	0	3	4	0	15	0
VL* 30 - 36	3	10,239	12.5	3	19	0	20	0
VL* 30 - 36	4.8	16,382	20	3	29	0	30	0
VL* 30 - 36	6	20,478	25	3	35	0	35	0
VL* 30 - 36	7.5	25,598	31.3	3	43	0	45	0
VL* 30 - 36	9.6	32,765	40	3	54	0	60	0
Refer to applicable electrical code for correct wire and disconnect sizing								
15 & 20 kW Models are factory standard and installed with twin double pole breakers								
Specifications can change without notice								

Blower Performance PSC Motors						
Model	Speed	Static Pressure				
		0.1	0.2	0.3	0.4	0.5
VL 18	Low	665	615	500	420	340
	Medium	805	750	650	600	505
	High	925	850	800	710	600
VL* 18	Low	745	700	640	580	500
	Medium	950	900	825	745	650
	High	1050	1005	925	840	750
VL* 24	Low	745	700	640	580	500
	Medium	950	900	825	745	650
	High	1050	1005	925	840	750
VL 24	Low	700	660	600	520	430
	Medium	1005	965	880	800	710
	High	1100	1060	1000	920	830
VL* 30 - 36	Low	1080	1025	950	870	775
	Medium	1200	1160	1100	1020	930
	High	1315	1270	1200	1125	1040

Electrical Specifications ECM X-13 Motors									
Model	HTR. kW @ 240 VAC	BTUH	AMPS		Total AMPS	MCA CKT 1	MCA CKT 2	MOP CKT 1	MOP CKT 2
			HTR.	Motor					
VL 18-24	0	0	0	2.8	2.8	4	0	15	0
VL 18-24	3	10,239	12.5	2.8	15.3	19	0	20	0
VL 18-24	4.8	16,3882	20	2.8	22.8	29	0	30	0
VL 18-24	6	20,478	25	2.8	27.8	35	0	40	0
VL 18-24	7.5	25,598	31.3	2.8	34.1	43	0	45	0
VL 18-24	9.6	32,765	40	2.8	42.8	54	0	60	0
VL* 30-36	0	0	0	4	4	5	0	15	0
VL* 30-36	3	10,239	12.5	4	16.5	21	0	25	0
VL* 30-36	4.8	16,382	20	4	24	30	0	35	0
VL* 30-36	6	20,478	25	4	29	36	0	40	0
VL* 30-36	7.5	25,598	31.3	4	35.3	44	0	45	0
VL* 30-36	9.6	32,765	40	4	44	55	0	60	0



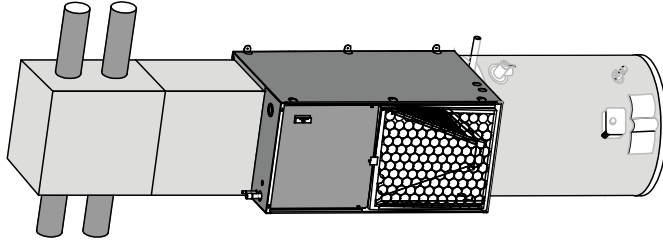
## VL\* Applications



**VL\* Air Handler Installed in Closet**

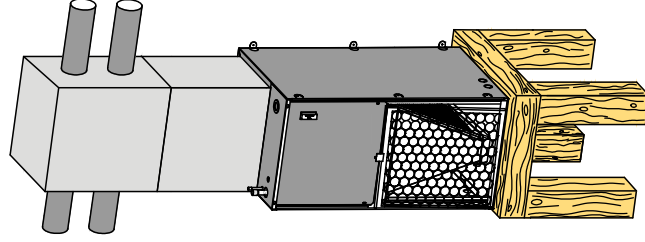
To install the VL\* unit into the closet, remove bottom duct board, and install a solid bottom door panel. Then install a filter grille.

- VL\* Bottom Door Panel**
- VL\* - LCP-1AS
  - VL\* - LCP - 2AS

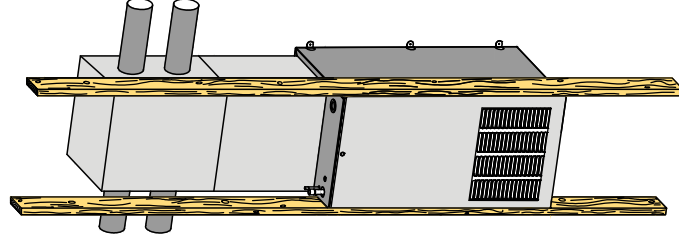


**VL\* Air Handler Installed Above a Water Heater**

To install the VL\* unit above a water heater, take solid panel off and install filter in front of the unit.



**VL\* Air Handler Attached to Back Wall OR Mounted on a Platform in Utility Room**



**VL\* Air Handler Installed in a Stud/Wall Mount Application**

**Filter Panel Available in Various Sizes**