



Series V Cooling Tower



For Indoor, Height-Restricted, and
Sound Sensitive Applications



For the most up to date information,
visit www.BaltimoreAircoil.com/SeriesVCT

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Series V Cooling Tower



For Indoor, Height-Restricted, and Sound Sensitive Applications

The Series V Cooling Tower is an ideal like-for-like replacement unit for many existing applications, offering the lowest replacement cost with no structural, electrical or piping modifications. It can overcome high external static pressure and has low sound capabilities which makes it a great fit for indoor applications and for ducted and sound sensitive locations.

12 - 1,335 tons

Up to 6,750 USGPM

Counterflow // Centrifugal Fan // Forced Draft



Series V Benefits



Layout Flexibility

Increased Installation and Application Flexibility

- Centrifugal fans that can overcome the static pressure imposed by external ductwork, allowing the Series V to be installed indoors
- Well-suited for height sensitive installations with low profile models as short as 5'-2"
- Low installed cost for replacement units since all models mount directly on two parallel I-beams

Lowest Sound

- One of the lowest sound cooling towers available, centrifugal fans have inherently low sound characteristics
- With the single side air inlet, sound-sensitive areas can be addressed by facing the quiet blank-off panel to the sound-sensitive direction
- For extremely sound sensitive applications, factory designed tested/rated sound attenuation is available for both the air intake and discharge

Reliable Year-Round Operation

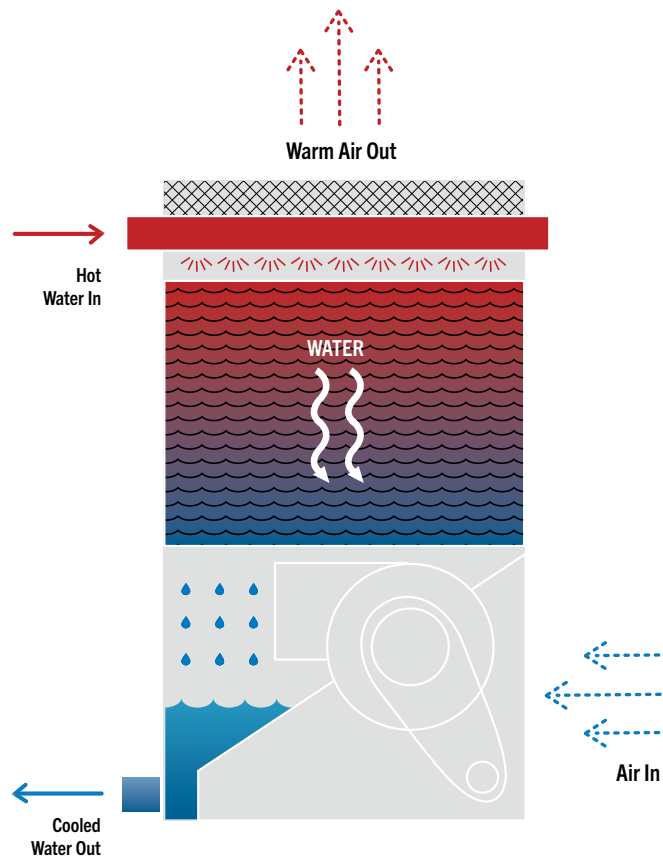
- Key components including motors, drives, and bearings are protected from moisture, condensation and icing since they are located in the dry airstream
- Certified/complies with local codes including CTI, ASHRAE 90.1, ASHRAE 189, and California Title 24



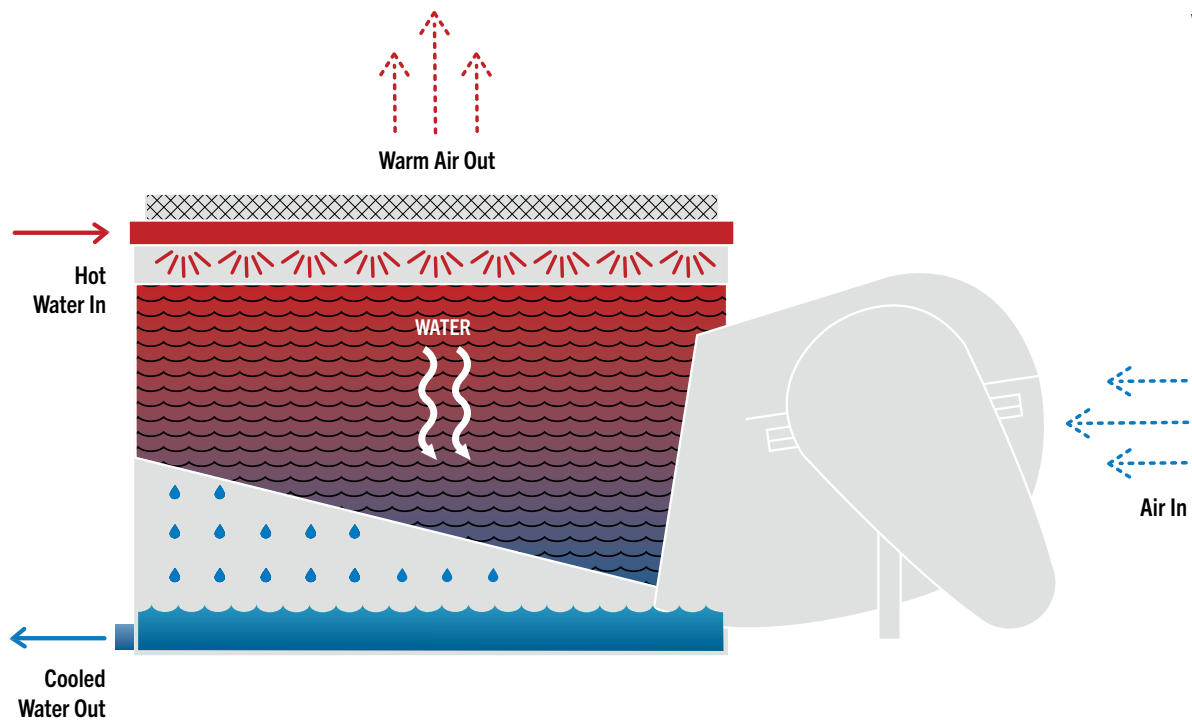
Intake Sound Attenuation



Year-Round Operation



VT1/VT0 Models

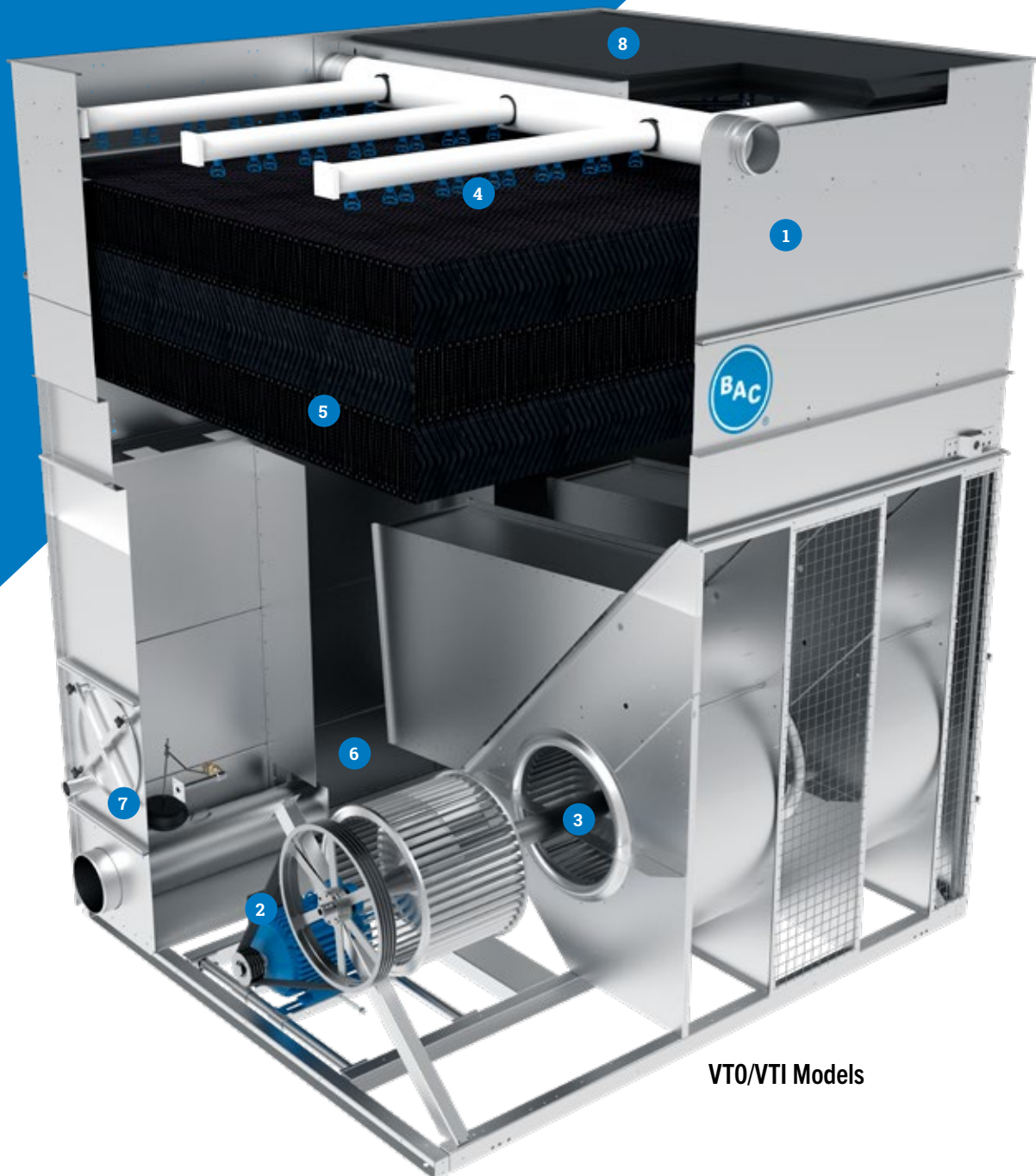


VTL Model



Series V Cooling Tower Principle of Operation

Series V Design Details



VT0/VTI Models

1 Heavy-Duty Construction

- G-235 mill galvanized steel panels

2 Fan Drive System

- V-belt
- Corrosion resistant materials of construction
- Heavy-duty bearings L₁₀ 80,000 hours
- 7-year motor warranty⁽¹⁾; 5-year warranty on drive components

3 Low Sound Centrifugal Fan(s)

- Quiet operation
- Overcome static pressure

4 Water Distribution System

- Schedule 40 PVC spray branches
- BAC 360 Spray Nozzle, large non-clog orifice
- Nozzles are grommited for easy removal

5 BAC Pak™ Fill (VT0/VT1) BACount® Fill (VTL)

- Guaranteed thermal performance
- Polyvinyl chloride (PVC), impervious to rot, decay, and biological attack
- Flame spread rating of 5 per ASTM E84

6 Cold Water Basin

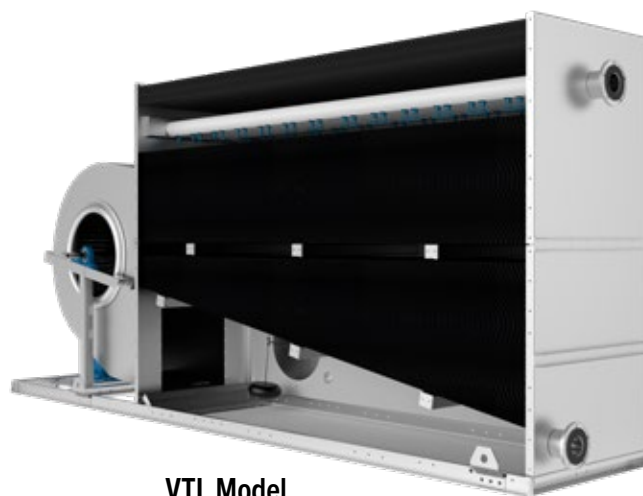
- Suction strainer with anti-vortex hood

7 Access Door

- Interior of the unit is easily accessible

8 Drift Eliminators

- PVC, impervious to rot, decay, and biological attack
- Flame spread rating of 5 per ASTM E84
- Assembled in easy-to-handle sections



VTL Model



NOTE:

1. Motors are warranted for 7 years from date of shipment when space heaters are field-wired at time of initial installation.

Series V Features & Options

12 - 1,335 tons^[1] // Up to 6,750 USGPM^[1] // Counterflow // Centrifugal Fan // Forced Draft

Features & Options	Page	Description
MATERIALS OF CONSTRUCTION		
G-235 Galvanized Steel	H3	Universally recognized for its strength and durability
Baltibond® Hybrid Coating	H4	Thermosetting hybrid polymer coating baked onto the G-235 galvanized steel creating another layer of protection
Water Contact Stainless Steel Basin	H5	The basin components below the overflow level are constructed of stainless steel
Water Contact Stainless Steel Unit	H5	The basin and water-contacted components below the overflow level are constructed of stainless steel
All Stainless Steel Construction	H5	All unit steel panels, structural elements, and the basin are stainless steel for increased corrosion resistance or job requirement
DRIVE SYSTEM^[2]		
External V-Belt Drive^[2]	H13	Consists of centrifugal fan(s), motor(s), and drive system(s) located outside of the discharge airstream, protecting them from moisture, condensation, and icing
Extended Lubrication Lines	H13	Easy lubrication of the fan shaft bearings from inside the access door
Baltiguard™ Fan System	H14	Two motors per fan; one motor for full speed and load, the other is a pony motor with 2/3 capacity
Vibration Cutout Switch	H15	Protects against rotating equipment failure
COLD WATER BASIN		
Mechanical Water Level Control	H17	Maintains the water level in the basin with a float valve
Electric Water Level Control	H17	Maintains the water level with a conductivity probes and a solenoid valve
Low and High Level Alarm Float Switches	H17	Alerts operators to abnormal conditions to ensure the highest system reliability
Steam Coil and Hot Water Coil Basin Freeze Protection	H18	Available to provide basin freeze protection
Basin Sweeper Piping^[3]	H18	Complete basin piping system with nozzles; easily connect 3rd party side stream filtration equipment
Basin Heater(s)	H18	Protect the basin water from freeze-up in below freezing ambient conditions
MULTI CELL UNIT		
Equalizer	H21	Equalizer connections are available for multi cell cooling towers in lieu of a flume box; allows for easy isolation of a cell for winter operation, maintenance, or inspection while continuing system operation

Standard

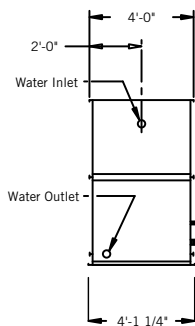
Features & Options	Page	Description
FILL		
Fill	H26	PVC fill for applications with entering water temperatures up to 130°F (54.4°C)
High Temperature Fill	H26	HPVC fill for applications with entering water temperatures up to 140°F (60°C)
Galvanized Steel Fill	H27	Available for applications that require high temperatures up to 170°F (76.6°C), dirty water, or non-combustibility
Stainless Steel Fill	H27	For high temperature or dirty water applications with entering water temperatures up to 170°F (76.6°C) or in corrosive environments that are not suitable for galvanized steel
SHIPPING AND RIGGING		
One Piece Shipping - VTL	—	All low profile VTL units ship completely assembled; minimizing installation time and cost
Knockdown Units	H29	The unit ships disassembled for jobs where there are crane or other site limitations
Containerized Units	H29	Select units ship containerized in a standard shipping container for easy export, allowing for the lowest transportation costs when shipping units internationally, contact your local BAC Representative for more details
FANS AND SOUND		
Single Side Air Intake	—	Ideal for tight enclosures; easily orient the blank off side to sound sensitive areas
Centrifugal Fan	H31	Inherently quiet and can overcome external static pressure making them suitable for both indoor and outdoor installations
Sound Attenuation	H31	Available for the air intake and discharge to further reduce sound levels
AIR INTAKE		
Air Intake Screens	H33	1" x 1" wire mesh screens factory-installed over the air intake louvers to prevent debris from entering the unit
Bottom Intake Screens	H34	Factory-installed wire mesh screens over the bottom openings to prevent unauthorized access
Solid Bottom Panels	H34	Provide additional protection from birds and debris from entering the unit through the bottom air intake area; required when intake air is ducted to the unit
AIR DISCHARGE		
Discharge Hoods	H35	Designed to increase the discharge air velocity to avoid recirculation in extremely tight enclosures can be used to elevate discharge air to height of parapet wall
ACCESS		
External Platforms and Ladder Packages	H38	Factory preassembled and pre-fitted, attaches quickly in the field
Handrail and Ladder Packages	H39	Provide safe access to the top of the unit for maintenance to the distribution system

**NOTES:**

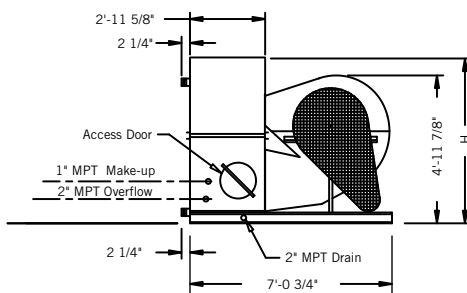
1. Nominal tons of cooling represents the capability to cool 3 USGPM of water from a 95°F entering water temperature to an 85°F leaving water temperature at a 78°F entering wet-bulb temperature.
2. Motors are warranted for 7 years from date of shipment when space heaters are field-wired at time of initial installation.
3. All VTO Models are provided with filter connections only since the turbulence in the cold water basin keeps particles in suspension.

Series V Engineering Data

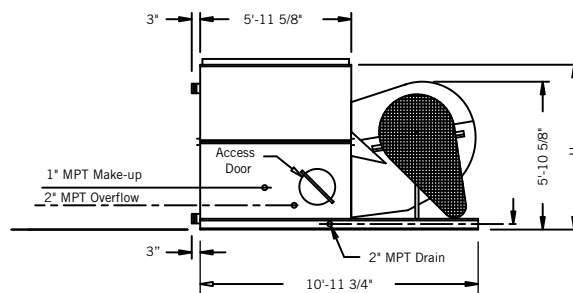
VTL Models



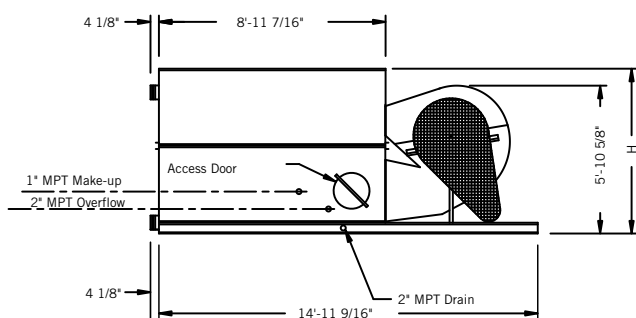
Models VTL-016-E to 137-M



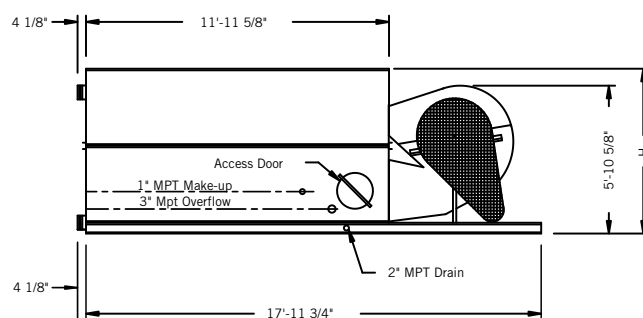
Models VTL-016-E to 039-H



Models VTL-045-H to 079-K



Models VTL-082-K to 095-K

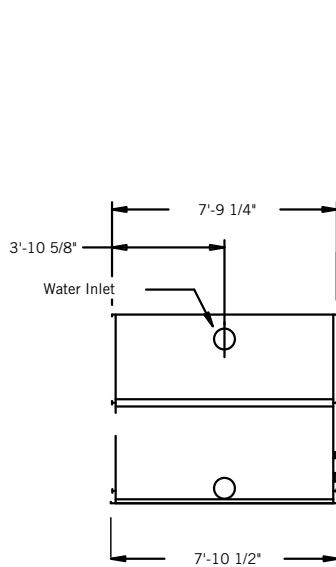


Models VTL-103-K to 137-M

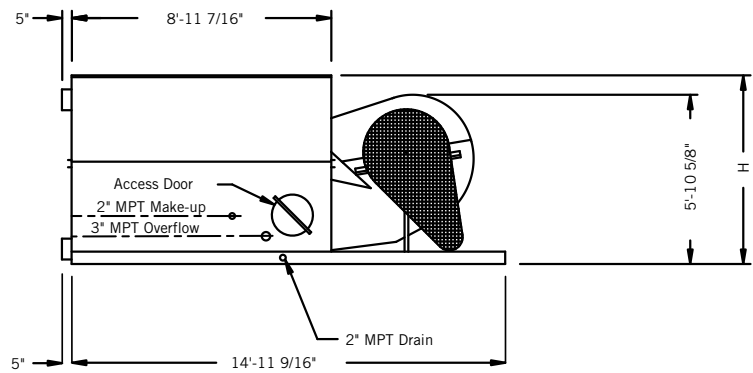
Model Number	Nominal Tonnage ⁽¹⁾	Motor HP ⁽²⁾	Airflow (CFM)	Weights (lbs)		H	Connections ⁽⁴⁾		
				Operating ⁽³⁾	Shipping		Inlet	Outlet	Overflow
VTL-016-E	16	1.5	7,680	1,620	1,100	5'-2"	3"	3"	2"
VTL-021-F	21	2	8,150	1,660	1,140	5'-2"	3"	3"	2"
VTL-027-F	27	2	7,370	1,740	1,220	6'-7"	3"	3"	2"
VTL-030-G	30	3	8,270	1,770	1,250	6'-7"	3"	3"	2"
VTL-034-H	34	5	9,420	1,810	1,290	6'-7"	3"	3"	2"
VTL-039-H	39	5	8,860	1,910	1,390	8'-2"	3"	3"	2"
VTL-045-H	45	5	16,910	2,710	1,650	5'-2"	4"	4"	2"
VTL-051-G	51	3	13,350	2,810	1,750	6'-7"	4"	4"	2"
VTL-059-H	59	5	15,490	2,830	1,770	6'-7"	4"	4"	2"
VTL-066-J	66	7.5	17,210	2,900	1,840	6'-7"	4"	4"	2"
VTL-072-K	72	10	18,690	2,930	1,870	6'-7"	4"	4"	2"
VTL-079-K	79	10	17,500	3,100	2,040	8'-2"	4"	4"	2"
VTL-082-K	82	10	22,400	3,810	2,260	6'-7"	6"	6"	2"
VTL-092-L	92	15	24,980	3,940	2,390	6'-7"	6"	6"	2"
VTL-095-K	95	10	21,150	4,650	2,490	8'-2"	6"	6"	2"
VTL-103-K	103	10	24,990	4,740	2,680	6'-7"	6"	6"	3"
VTL-116-L	116	15	28,200	4,800	2,740	6'-7"	6"	6"	3"
VTL-126-M	126	20	30,700	4,810	2,750	6'-7"	6"	6"	3"
VTL-137-M	137	20	29,560	5,120	3,060	8'-2"	6"	6"	3"



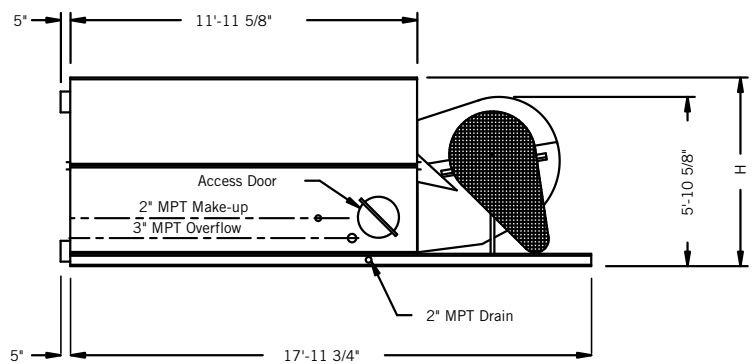
NOTE: Up-to-date engineering data, free product selection software, and more can be found at www.BaltimoreAircoil.com.



Models VTL-152-M to 272-P



Models VTL-152-M to 227-O



Models VTL-245-P to 272-P

Model Number	Nominal Tonnage ⁽¹⁾	Motor HP ⁽²⁾	Airflow (CFM)	Weights (lbs)		H	Connections ⁽⁴⁾		
				Operating ⁽³⁾	Shipping		Inlet	Outlet	Overflow
VTL-152-M	152	20	45,870	6,580	3,440	5'-2"	8"	8"	3"
VTL-171-L	171	15	39,940	6,820	3,680	6'-7"	8"	8"	3"
VTL-185-M	185	20	43,150	6,960	3,820	6'-7"	8"	8"	3"
VTL-198-N	198	25	46,090	7,000	3,860	6'-7"	8"	8"	3"
VTL-209-O	209	30	48,630	7,040	3,900	6'-7"	8"	8"	3"
VTL-227-O	227	30	46,550	7,470	4,330	8'-2"	8"	8"	3"
VTL-245-P	245	40	58,820	8,970	4,790	6'-7"	8"	8"	3"
VTL-272-P	272	40	56,760	9,490	5,310	8'-2"	8"	8"	3"

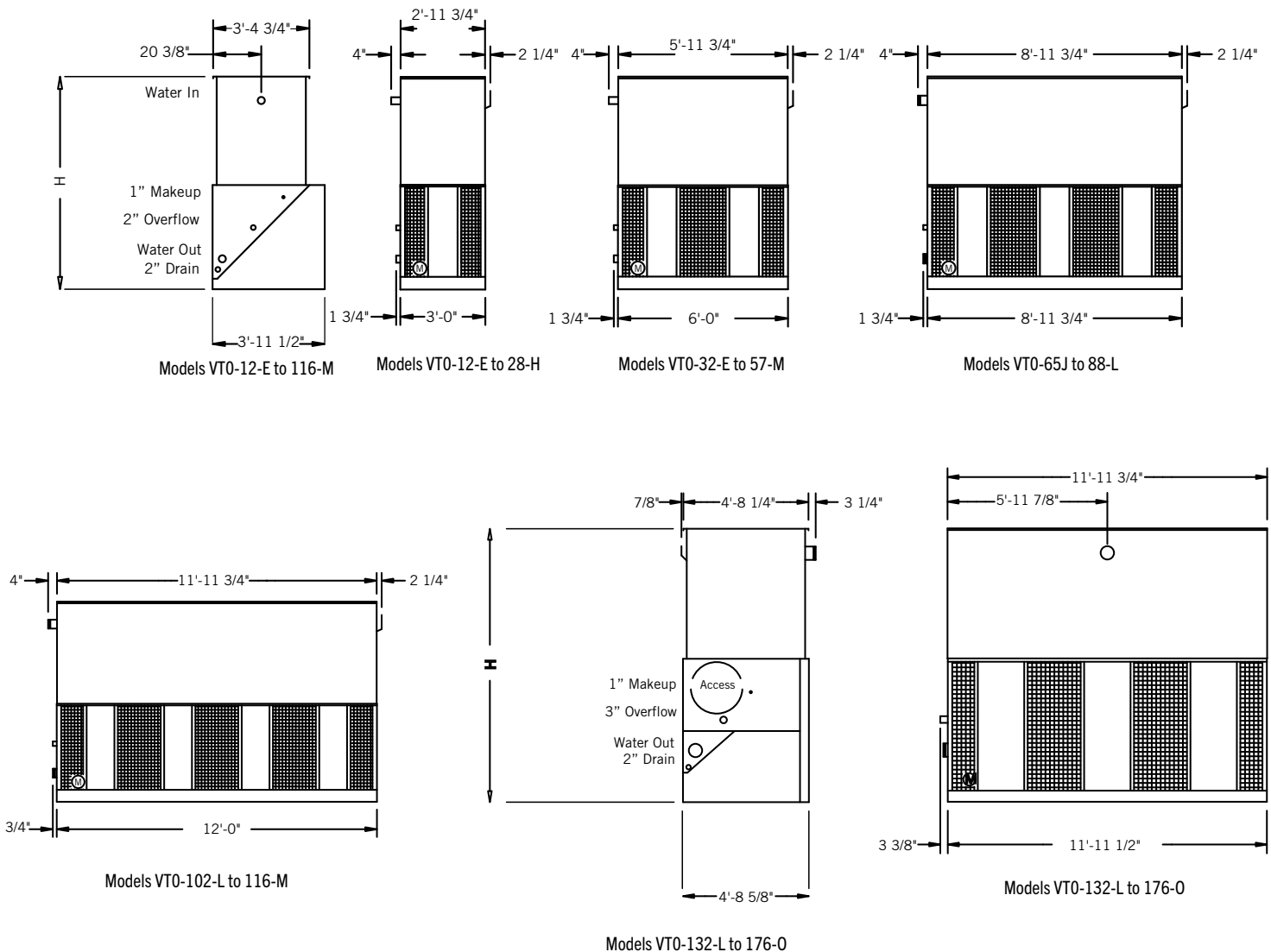
**NOTES:**

1. Nominal tons of cooling represents the capability to cool 3 USGPM of water from a 95°F entering water temperature to an 85°F leaving water temperature at a 78°F entering wet-bulb temperature.
2. Fan horsepower is at 0" external static pressure.
3. Operating weight is based on the water level in cold water basin at overflow height.
4. Unless otherwise indicated, all connections 4" and smaller are MPT and connections 6" and larger are beveled for welding.

Do not use for construction. Refer to factory certified dimensions. This catalog includes data current at the time of publication, which should be reconfirmed at the time of purchase. Up-to-date engineering data, free product selection software, and more can be found at BaltimoreAircoil.com.

Series V Engineering Data

VT0 Models



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Model Number	Nominal Tonnage ⁽¹⁾	Motor HP ⁽²⁾	Airflow (CFM)	Weights (lbs)		H	Connections ⁽⁴⁾		
				Operating ⁽³⁾	Shipping		Inlet	Outlet	Overflow
VT0-12-E	12	1.5	4,970	960	790	7'-7"	3"	3"	2"
VT0-14-F	14	2	5,460	970	800	7'-7"	3"	3"	2"
VT0-19-G	19	3	6,190	990	820	7'-7"	3"	3"	2"
VT0-24-G	24	3	5,945	1,050	950	9'-1"	3"	3"	2"
VT0-28-H	28	5	6,960	1,170	970	9'-1"	3"	3"	2"
VT0-32-H	32	5	11,820	1,590	1,230	7'-7"	3"	3"	2"
VT0-41-J	41	7.5	13,435	1,650	1,290	7'-7"	3"	3"	2"
VT0-52-J	52	7.5	12,960	1,780	1,540	9'-1"	3"	3"	2"
VT0-57-K	57	10	14,180	1,790	1,550	9'-1"	3"	3"	2"
VT0-65-J	65	7.5	16,860	2,580	2,000	9'-1"	4"	4"	2"
VT0-75-K	75	10	18,435	2,590	2,010	9'-1"	4"	4"	2"
VT0-78-K	78	10	17,990	2,710	2,130	10'-7"	4"	4"	2"
VT0-88-L	88	15	20,420	2,770	2,190	10'-7"	4"	4"	2"
VT0-102-L	102	15	25,060	3,310	2,500	9'-1"	4"	4"	2"
VT0-107-L ⁽⁵⁾	107	15	24,460	3,680	2,870	10'-7"	4"	4"	2"
VT0-116-M ⁽⁵⁾	116	20	26,670	3,740	2,930	10'-7"	4"	4"	2"
VT0-132-L	132	15	30,600	5,190	3,820	11'-10"	6"	6"	3"
VT0-145-M	145	20	33,670	5,200	3,830	11'-10"	6"	6"	3"
VT0-155-N	155	25	36,240	5,250	3,880	11'-10"	6"	6"	3"
VT0-166-N ⁽⁵⁾	166	25	35,265	5,650	4,280	13'-4"	6"	6"	3"
VT0-176-O ⁽⁵⁾	176	30	37,330	5,680	4,310	13'-4"	6"	6"	3"

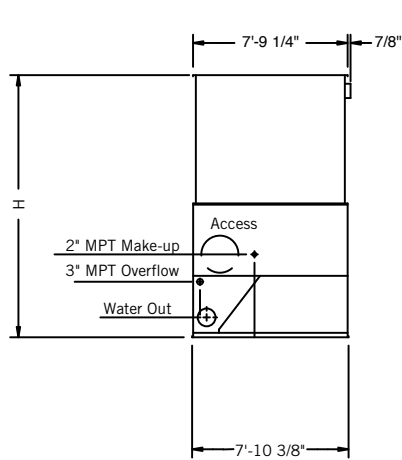
NOTES:

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2. Fan horsepower is at 0" external static pressure.
3. Operating weight is based on the water level in cold water basin at overflow height.
4. Unless otherwise indicated, all connections 6" and smaller are MPT and connections 8" and larger are beveled for welding.
5. Unit's casing section is the heaviest section.

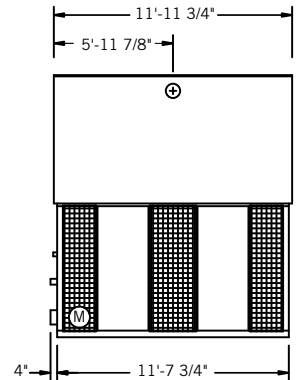
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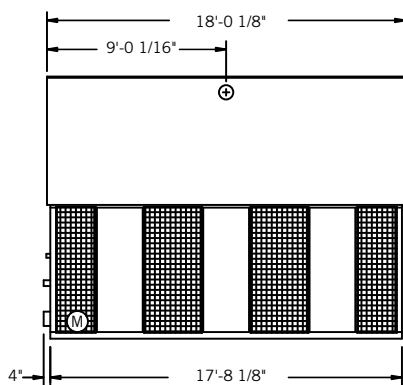
VT1 Models



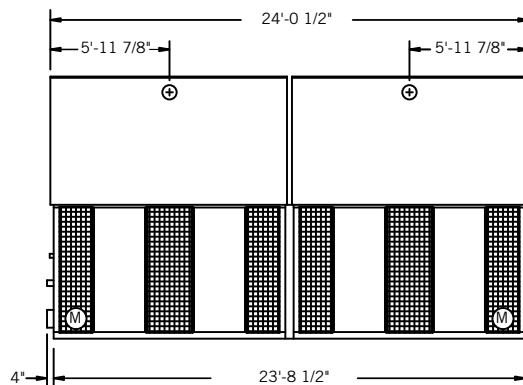
Models VT1-N209-P to N255-P



Models VT1-N209-P to N255-P



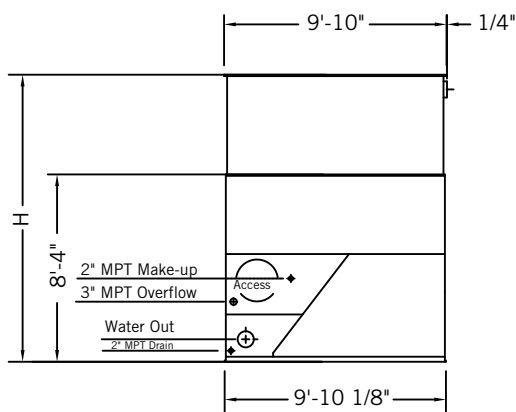
Models VT1-N301-Q to N395-R



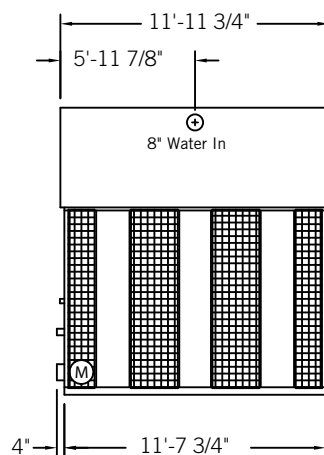
Models VT1-N418P to N510-P

Model Number	Nominal Tonnage ⁽¹⁾	Motor HP ⁽²⁾	Airflow (CFM)	Weights (lbs)			H	Connections ⁽⁴⁾	
				Operating ⁽³⁾	Shipping	Heaviest		Inlet	Outlet
VT1-N209-P	209	40	66,300	9,180	5,350	3,300	11'-6"	8"	8"
VT1-N220-O	220	30	53,100	9,490	5,660	3,110	13'-3"	8"	8"
VT1-N240-P	240	40	57,950	9,680	5,850	3,300	13'-3"	8"	8"
VT1-N255-P	255	40	55,900	10,380	6,550	3,300	14'-7"	8"	8"
VT1-N301-Q	301	50	86,150	13,380	7,530	4,590	11'-4"	8"	8"
VT1-N325-P	325	40	77,450	14,110	8,260	4,550	13'-3"	8"	8"
VT1-N346-Q	346	50	83,050	14,150	8,300	4,590	13'-3"	8"	8"
VT1-N370-Q ⁽⁵⁾	370	50	80,150	15,130	9,280	4,690	14'-7"	8"	8"
VT1-N395-R	395	60	84,750	15,250	9,400	4,710	14'-7"	8"	8"
VT1-N418-P	418	(2) 40	120,600	18,490	10,680	6,580	11'-4"	(2) 8"	10"
VT1-N440-O	440	(2) 30	106,200	19,110	11,300	6,200	13'-3"	(2) 8"	10"
VT1-N480-P	480	(2) 40	115,900	19,490	11,680	6,580	13'-3"	(2) 8"	10"
VT1-N510-P	510	(2) 40	111,800	20,890	13,080	6,580	14'-7"	(2) 8"	10"

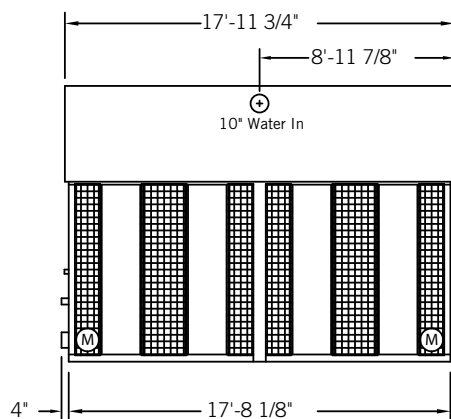
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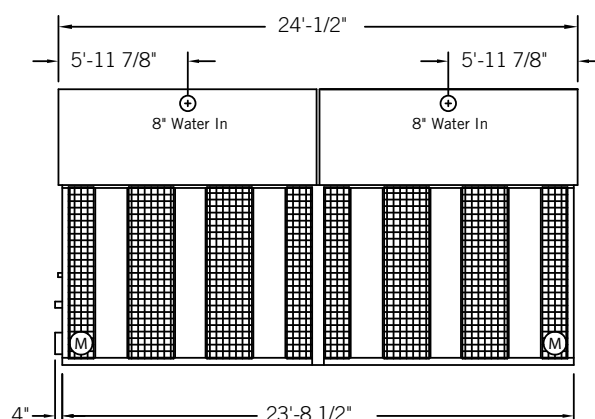
Models VT1-M316-O to M1260-R



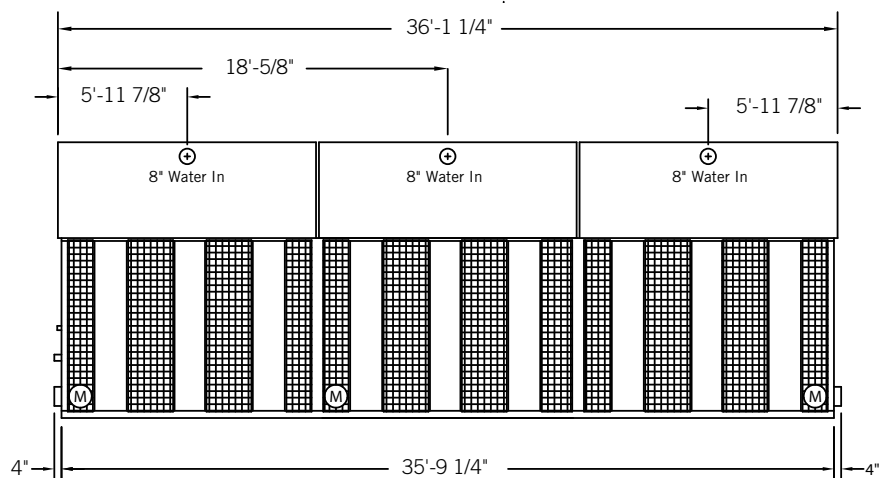
Models VT1-M316-O to M420-R



Models VT1-M431-N to M610-P



Models VT1-M632-O to M840-R



Models VT1-M948-O to M1260-R

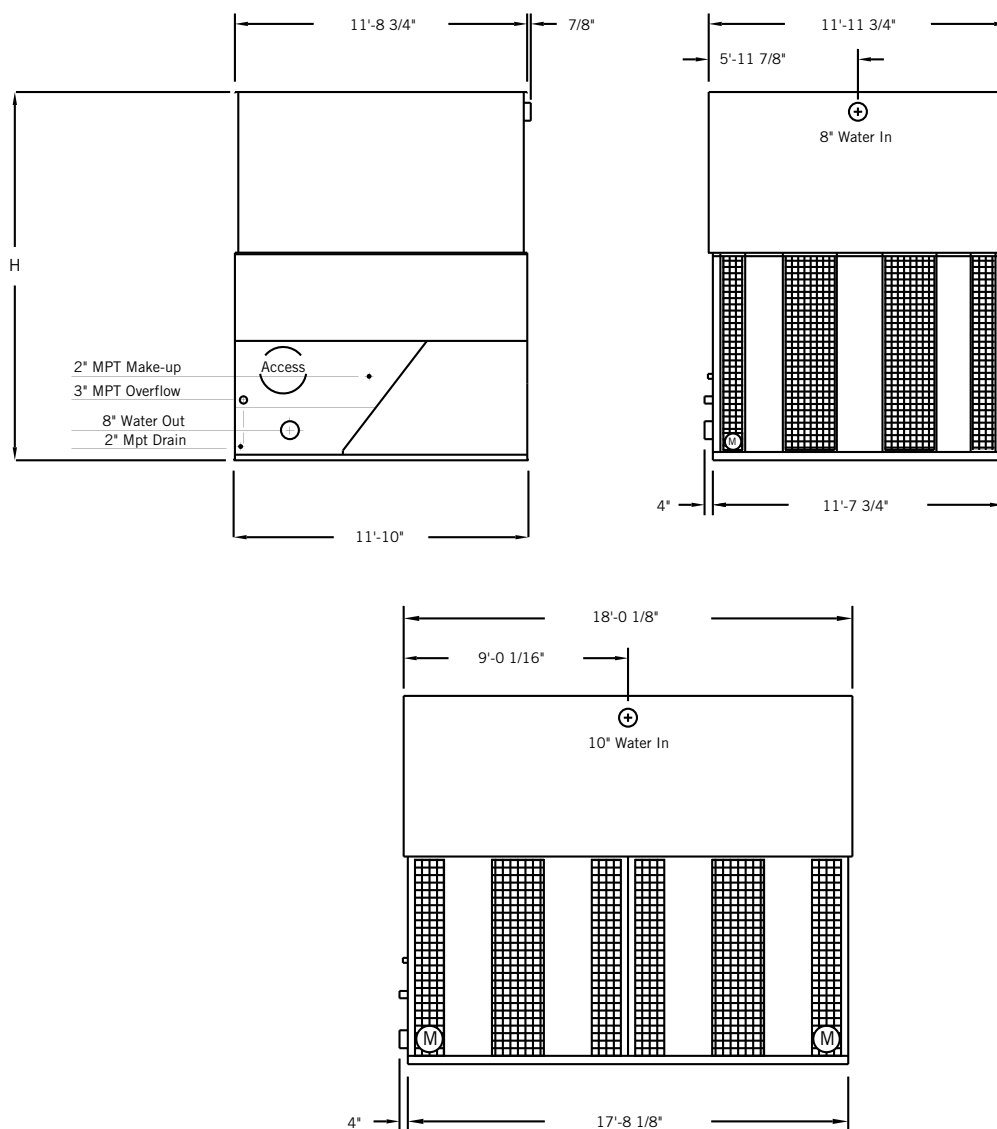
Series V Engineering Data

VT1 Models

Model Number	Nominal Tonnage ⁽¹⁾	Motor HP ⁽²⁾	Airflow (CFM)	Weights (lbs)			H	Connections ⁽⁴⁾		
				Operating ⁽³⁾	Shipping	Heaviest Section		Inlet	Outlet	Make-up
VT1-M316-O	316	30	65,930	11,310	6,355	3,840	14'-6"	8"	8"	2"
VT1-M328-O	328	30	64,725	11,690	6,735	3,840	15'-6"	8"	8"	2"
VT1-M348-P	348	40	72,320	11,465	6,510	4,000	14'-6"	8"	8"	2"
VT1-M350-O	350	30	63,515	12,080	7,125	3,840	16'-6"	8"	8"	2"
VT1-M352-P	352	40	71,235	11,845	6,890	4,000	15'-6"	8"	8"	2"
VT1-M371-P	371	40	69,900	12,235	7,280	4,000	16'-6"	8"	8"	2"
VT1-M379-Q	379	50	76,035	11,970	7,015	4,120	15'-6"	8"	8"	2"
VT1-M398-Q	398	50	74,825	12,360	7,405	4,120	16'-6"	8"	8"	2"
VT1-M420-R	420	60	79,590	12,580	7,620	4,340	16'-6"	8"	8"	2"
VT1-M431-N	431	(2) 25	103,045	17,615	10,020	6,680	13'-6"	10"	10"	2"
VT1-M455-O	455	(2) 30	109,500	17,725	10,125	6,790	13'-6"	10"	10"	2"
VT1-M484-N	484	(2) 25	102,375	18,155	10,560	6,680	14'-6"	10"	10"	2"
VT1-M514-O	514	(2) 30	108,785	18,265	10,665	6,790	14'-6"	10"	10"	2"
VT1-M515-N	515	(2) 25	101,700	18,685	11,090	6,680	15'-6"	10"	10"	2"
VT1-M533-N	533	(2) 25	100,990	19,265	11,665	6,680	16'-6"	10"	10"	2"
VT1-M544-O	544	(2) 30	108,075	18,790	11,195	6,790	15'-6"	10"	10"	2"
VT1-M557-O	557	(2) 30	107,360	19,370	11,775	6,790	16'-6"	10"	10"	2"
VT1-M560-P	560	(2) 40	119,735	18,580	10,985	7,105	14'-6"	10"	10"	2"
VT1-M595-P	595	(2) 40	118,980	19,105	11,510	7,105	15'-6"	10"	10"	2"
VT1-M610-P	610	(2) 40	118,165	19,685	12,090	7,105	16'-6"	10"	10"	2"
VT1-M632-O	632	(2) 30	131,860	23,000	13,085	8,060	14'-6"	(2) 8"	12"	2"
VT1-M656-O	656	(2) 30	129,445	23,760	13,845	8,060	15'-6"	(2) 8"	12"	2"
VT1-M696-P	696	(2) 40	144,635	23,315	13,400	8,375	14'-6"	(2) 8"	12"	2"
VT1-M700-O	700	(2) 30	127,025	24,540	14,625	8,060	16'-6"	(2) 8"	12"	2"
VT1-M704-P	704	(2) 40	142,470	24,075	14,160	8,375	15'-6"	(2) 8"	12"	2"
VT1-M742-P	742	(2) 40	139,795	24,855	14,940	8,375	16'-6"	(2) 8"	12"	2"
VT1-M758-Q	758	(2) 50	152,065	24,320	14,405	8,620	15'-6"	(2) 8"	12"	2"
VT1-M796-Q	796	(2) 50	149,650	25,100	15,185	8,620	16'-6"	(2) 8"	12"	2"
VT1-M840-R	840	(2) 60	159,175	25,535	15,625	9,060	16'-6"	(2) 8"	12"	2"
VT1-M948-O	948	(3) 30	197,790	34,690	19,820	12,280	14'-6"	(3) 8"	(2) 10"	(2) 2"
VT1-M984-O	984	(3) 30	194,165	35,830	20,960	12,280	15'-6"	(3) 8"	(2) 10"	(2) 2"
VT1-M1044-P	1,044	(3) 40	216,950	35,160	20,295	12,755	14'-6"	(3) 8"	(2) 10"	(2) 2"
VT1-M1050-O	1,050	(3) 30	190,535	37,000	22,130	12,280	16'-6"	(3) 8"	(2) 10"	(2) 2"
VT1-M1056-P	1,056	(3) 40	213,705	36,305	21,435	12,755	15'-6"	(3) 8"	(2) 10"	(2) 2"
VT1-M1113-P	1,113	(3) 40	209,690	37,470	22,600	12,755	16'-6"	(3) 8"	(2) 10"	(2) 2"
VT1-M1137-Q	1,137	(3) 50	228,100	36,670	21,800	13,120	15'-6"	(3) 8"	(2) 10"	(2) 2"
VT1-M1194-Q	1,194	(3) 50	224,475	37,840	22,970	13,120	16'-6"	(3) 8"	(2) 10"	(2) 2"
VT1-M1260-R	1,260	(3) 60	238,760	38,495	23,625	13,775	16'-6"	(3) 8"	(2) 10"	(2) 2"



NOTE: Up-to-date engineering data, free product selection software, and more can be found at www.BaltimoreAircoil.com.

**NOTES:**

1. Nominal tons of cooling represents the capability to cool 3 USGPM of water from a 95°F entering water temperature to an 85°F leaving water temperature at a 78°F entering wet-bulb temperature.
2. Fan horsepower is at 0" external static pressure.
3. Operating weight is based on the water level in cold water basin at overflow height.
4. Unless otherwise indicated, all connections 6" and smaller are MPT and connections 8" and larger are beveled for welding.
5. Unit's casing section is the heaviest section.

Do not use for construction. Refer to factory certified dimensions. This catalog includes data current at the time of publication, which should be reconfirmed at the time of purchase. Up-to-date engineering data, free product selection software, and more can be found at BaltimoreAircoil.com.

Series V Engineering Data

VT1 Models

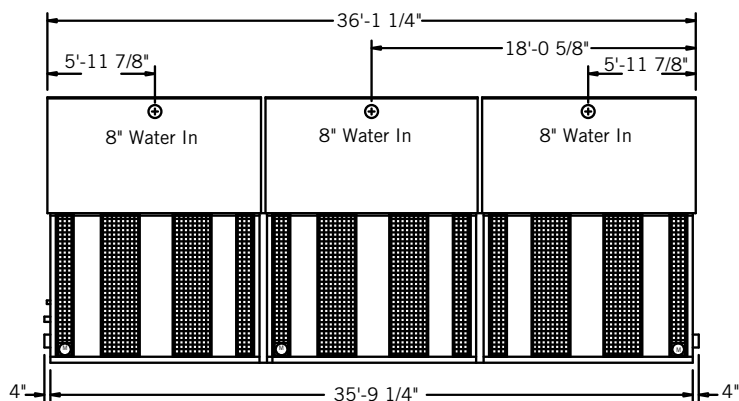
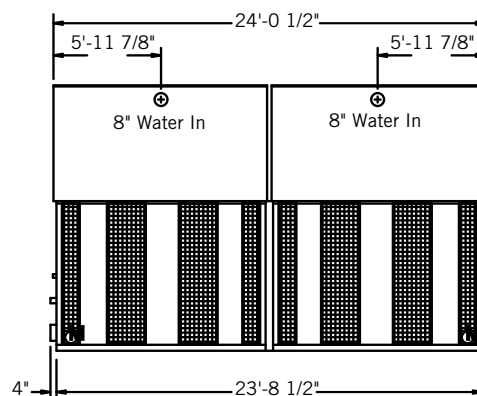
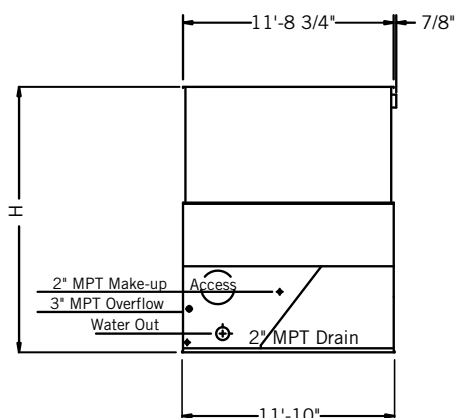
Model Number	Nominal Tonnage ⁽¹⁾	Motor HP ⁽²⁾	Airflow (CFM)	Weights (lbs)			H	Connections ⁽⁴⁾		
				Operating ⁽³⁾	Shipping	Heaviest Section		Inlet	Outlet	Make-up
VT1-275-P	275	40	82,350	15,190	8,040	5,140	12'-11"	8"	8"	2"
VT1-307-O	307	30	74,350	15,780	8,630	4,950	14'-10"	8"	8"	2"
VT1-340-P	340	40	81,550	15,970	8,820	5,140	14'-10"	8"	8"	2"
VT1-375-P	375	40	79,300	16,940	9,790	5,140	16'-3"	8"	8"	2"
VT1-400-Q	400	50	85,150	16,980	9,830	5,180	16'-3"	8"	8"	2"
VT1-415-R	415	60	90,250	17,100	9,950	5,300	16'-3"	8"	8"	2"
VT1-416-O	416	(2) 30	125,046	22,430	11,530	7,280	12'-11"	10"	10"	2"
VT1-478-N	478	(2) 25	116,150	23,600	12,700	7,240	14'-10"	10"	10"	2"
VT1-507-O	507	(2) 30	123,150	23,640	12,740	7,280	14'-10"	10"	10"	2"
VT1-560-O	560	(2) 30	119,750	25,080	14,180	7,280	16'-3"	10"	10"	2"
VT1-600-P	600	(2) 40	131,250	25,460	14,560	7,660	16'-3"	10"	10"	2"



NOTES:

1. Nominal tons of cooling represents the capability to cool 3 USGPM of water from a 95°F entering water temperature to an 85°F leaving water temperature at a 78°F entering wet-bulb temperature.
2. Fan horsepower is at 0" external static pressure.
3. Operating weight is based on the water level in cold water basin at overflow height.
4. Unless otherwise indicated, all connections 6" and smaller are MPT and connections 8" and larger are beveled for welding.
5. Fans on models VT1-416 through 600 must be cycled simultaneously for capacity control. For additional steps of control beyond on/off operation, a variable frequency drive, the BALTIguard™ Fan System, or two-speed motors are recommended.

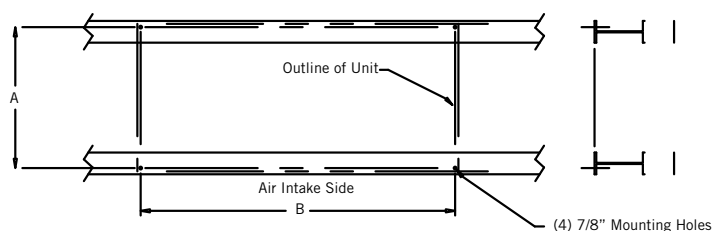
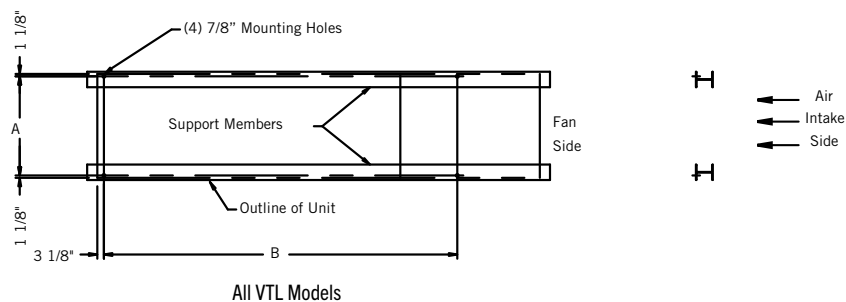
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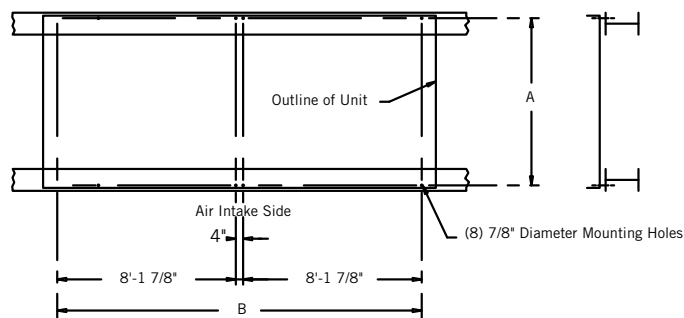
Model Number	Nominal Tonnage ⁽¹⁾	Motor HP ⁽²⁾	Airflow (CFM)	Weights (lbs)			H	Connections ⁽⁴⁾		
				Operating ⁽³⁾	Shipping	Heaviest Section		Inlet	Outlet	Make-up
VT1-550-P	550	(2) 40	165,060	30,590	16,020	10,220	12'-11"	(2) 8"	12"	2"
VT1-680-P	680	(2) 40	163,100	32,150	17,580	10,220	14'-10"	(2) 8"	12"	2"
VT1-750-P	750	(2) 40	158,600	34,090	19,520	10,220	16'-3"	(2) 8"	12"	2"
VT1-800-Q	800	(2) 50	170,300	34,170	19,600	10,300	16'-3"	(2) 8"	12"	2"
VT1-830-R	830	(2) 60	180,500	34,410	19,840	10,540	16'-3"	(2) 8"	12"	2"
VT1-825-P	825	(3) 40	247,590	45,980	24,000	15,300	12'-11"	(3) 8"	(2) 10"	3"
VT1-921-O	921	(3) 30	223,050	47,750	25,770	14,730	14'-10"	(3) 8"	(2) 10"	3"
VT1-1020-P	1,020	(3) 40	244,650	48,320	26,340	15,300	14'-10"	(3) 8"	(2) 10"	3"
VT1-1125-P	1,125	(3) 40	237,900	51,230	29,250	15,300	16'-3"	(3) 8"	(2) 10"	3"
VT1-1200-Q	1,200	(3) 50	255,450	51,350	29,370	15,420	16'-3"	(3) 8"	(2) 10"	3"
VT1-1245-R	1,245	(3) 60	270,750	51,710	29,730	15,780	16'-3"	(3) 8"	(2) 10"	3"
VT1-1335-S	1,335	(3) 75	290,550	51,770	29,790	15,840	16'-3"	(3) 8"	(2) 10"	3"

Series V Structural Support

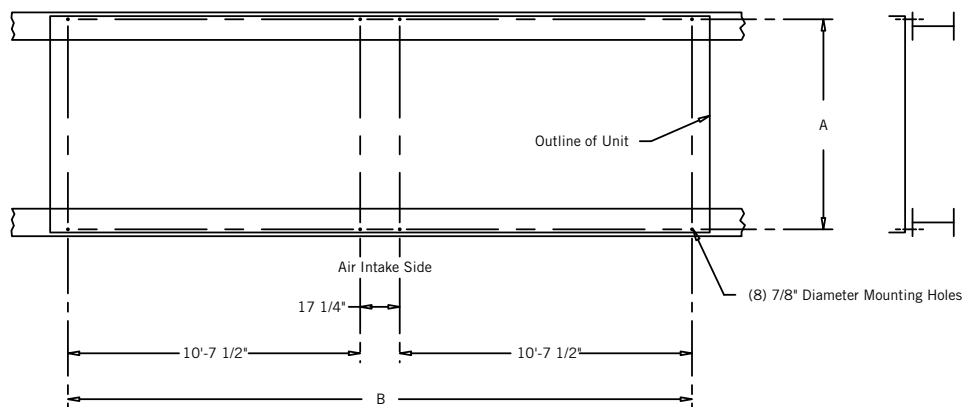
The recommended support arrangement for the Series V Cooling Tower consists of parallel structural members running the full length of the unit, spaced as shown in the following drawing. In addition to providing adequate support, the members also serve to raise the unit above any solid foundation to ensure access to the bottom of the tower. To support a Series V Cooling Tower in an alternate support arrangement, consult your local BAC Representative.



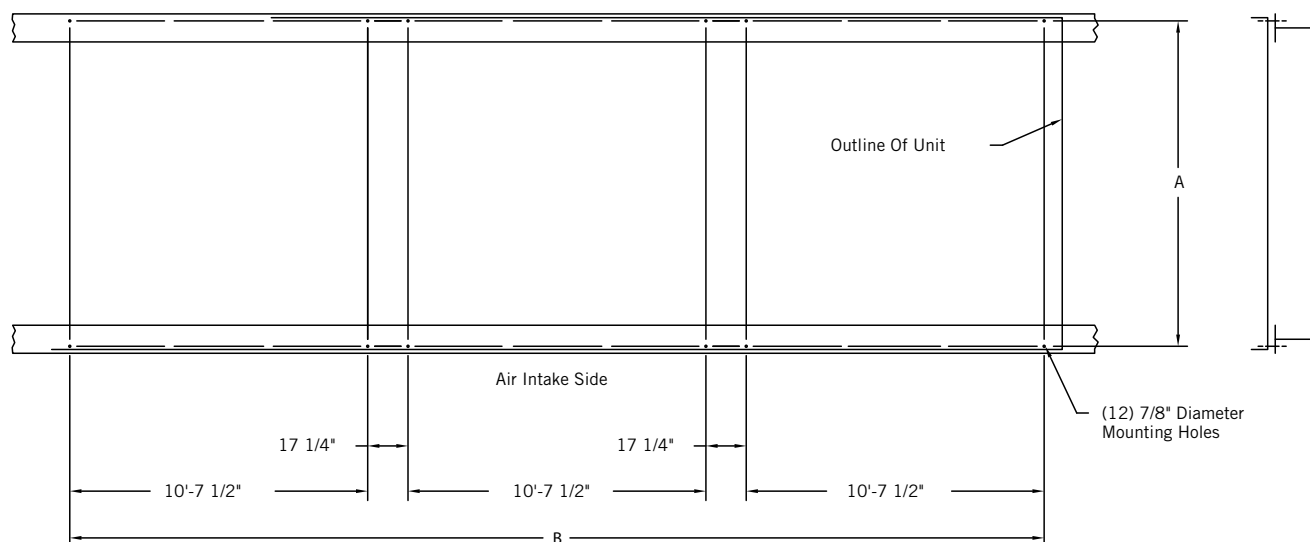
All VT0 Models, VT1-N209-P thru N255-P, VT0-M316-O thru M420-R, and VT1-275-P thru 415-R



VT1-N301-Q thru N395-R, VT1-M431-N thru VT1-M610-P, and VT1-416-P thru 600-P



Models VT1-N418P thru N510-P, VT1-M632-O thru M840-R, and VT1-550-P thru 830-R



Models VT1-M948-O thru M1250-R and VT1-825-P thru 1335-S

STRUCTURAL SUPPORT

Model Number	A	B
VT1-016-E thru 039-H	3'-11"	4'-6"
VT1-045-H thru 079-K	3'-11"	7'-12"
VT1-082-K thru 095-K	3'-11"	10'-12"
VT1-103-K thru 137-M	3'-11"	13'-12"
VT1-152-M thru 227-O	7'-9"	10'-12"
VT1-245-P thru 272-P	7'-9"	13'-12"
VT0-12-E thru 28-H	3'-10"	2'-6"
VT0-32-H thru 57-K	3'-10"	5'-6"
VT0-65-J thru 88-L	3'-10"	8'-6"
VT0-102-L thru 116-M	3'-10"	11'-6"
VT0-132-L thru 176-O	4'-7"	11'-6"
VT1-N209-P thru N255-P	7'-8"	10'-8"
VT1-N301-Q thru N395-R	7'-8"	16'-8"
VT1-N418-P thru N510-P	7'-8"	22'-9"
VT1-M316-O thru VT1-M420-R	9'-8"	10'-8"
VT1-M431-N thru VT1-M610-P	9'-8"	16'-8"
VT1-M632-O thru VT1-M840-R	9'-8"	22'-9"
VT1-M948-O thru VT1-M1260-R	9'-8"	34'-9"
VT1-275-P thru 415-R	11'-8"	10'-8"
VT1-416-O thru 600-P	11'-8"	16'-8"
VT1-550-P thru 830-R	11'-8"	22'-9"
VT1-825-P thru 1335-S	11'-8"	34'-9"



NOTES:

1. Support members and anchor bolts shall be designed, furnished, and installed by others.
2. Design of support members and anchor bolts shall be in accordance with the strength and serviceability requirements of the applicable building code and project specifications.
3. Support members shall be level at the top.
4. Refer to the certified unit support drawing for loading and additional support requirements.
5. Operating weight is based on the water level in cold water basin at overflow height.

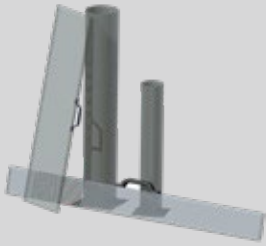


Only the Best Parts

BAC's Factory Authorized Parts are designed and tested to maximize operation and capacity of your existing equipment.



Accessories and Hardware



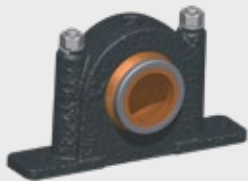
Cold Water Basin



Drive System



Water Distribution



Parts for Non-BAC Equipment



TrilliumSeries™ Adiabatic Products