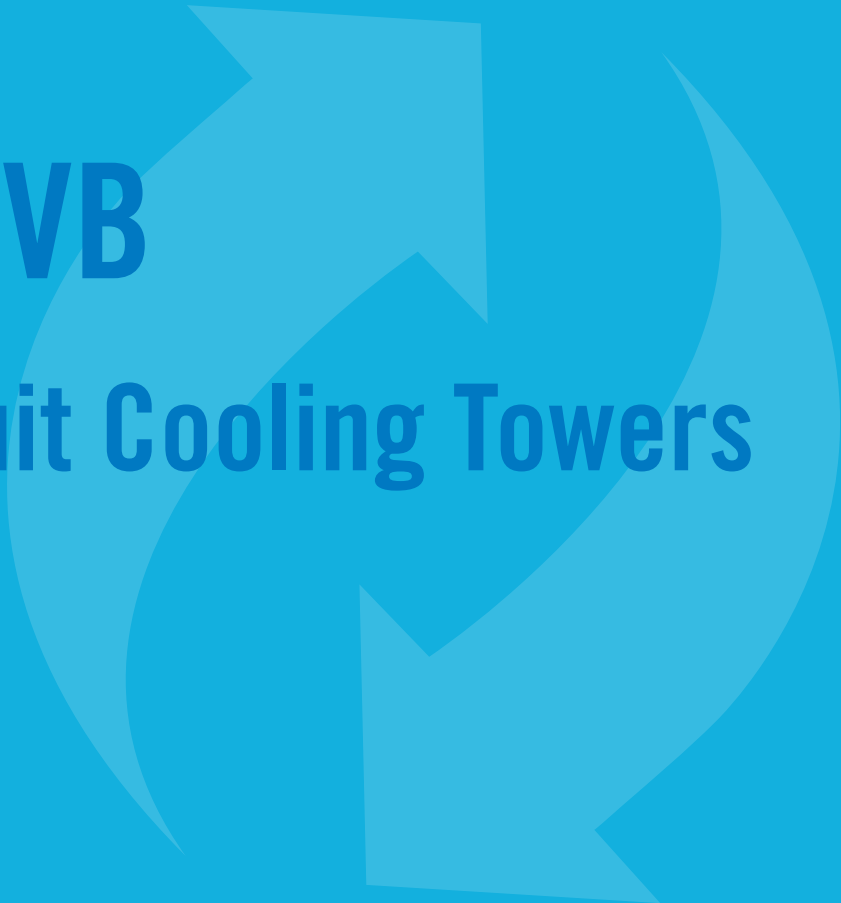




Series FXVB

Closed Circuit Cooling Towers



FXVB Benefits

> Low Environmental Impact

▶ ENERGY EFFICIENT

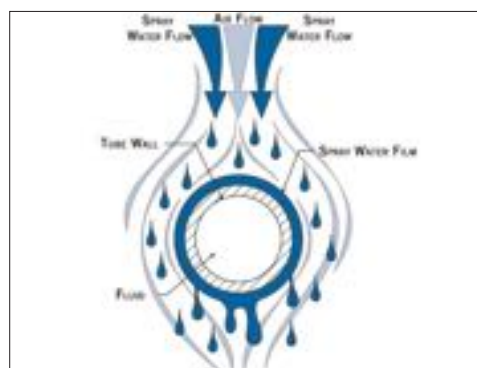
- Capacity is certified by the Cooling Technology Institute using water, ethylene glycol, and propylene glycol
- All units meet or exceed ASHRAE Standard 90.1 energy efficiency requirements
- Patented Advanced Coil Technology reduces evaporation directly off the coil and minimizes the potential for scaling and fouling, maintaining capacity
- Closed loop cooling process further reduces fouling, maintaining process efficiency
- Variety of coil configurations and HP options to minimize system energy use
- Premium efficient/inverter duty fan motors and high efficiency pumps (option)
- Independent fan operation (option)

▶ SOUND REDUCTION OPTIONS

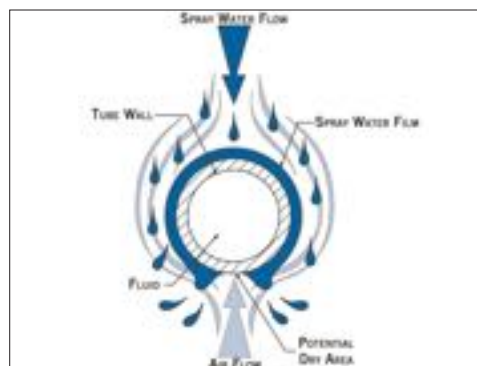
- Standard fan is low sound and high efficiency
- Particularly sound sensitive installations can be accommodated by facing the quiet blank-off panel to the sound sensitive direction
- For further reduced sound levels, Low Sound Fans, Whisper Quiet Fans, and sound attenuation are available (option)

> Low Installation Costs

- ▶ Reduced weight simplifies rigging and reduces support steel costs
- ▶ Modular design reduces installation time
- ▶ Minimal coil connections reduces piping costs
- ▶ Reduced glycol charge



Patented Advanced Coil Technology



Conventional Coil Technology



Modular Design Simplifies Rigging



> Reliable Year-Round Operation

- ▶ **BALTIDRIVE® POWER TRAIN FAN SYSTEM**
- ▶ Cooling tower duty motors designed for hostile environments

> Durable Construction

- ▶ Meets wind and seismic requirements of the International Building Code (IBC)
- ▶ Designed to withstand wind loads of up to 167 psf
- ▶ Seismically verified through dynamic shake table testing up to a S_{DS} of 2.40g
- ▶ Enhanced longevity with a variety of durable materials of construction

> Easy Maintenance

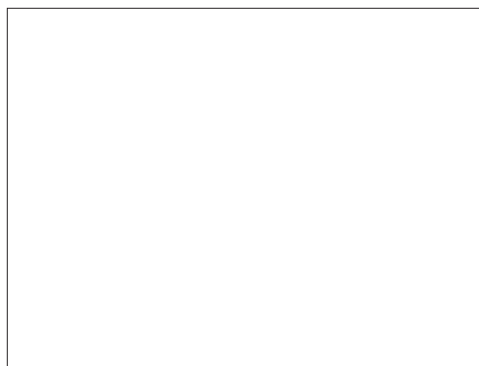
- ▶ Crossflow configuration provides direct access for easy maintenance to the cold water basin, spray distribution system, coil, and drive system
- ▶ Spray distribution system is easy to inspect while the unit is operating
- ▶ Hinged access doors and standard internal walkway provide easy access to the unit's cold water basin, drift eliminators, fan drive system, and heat transfer coil
- ▶ Combined inlet shields smooth airflow for optimal thermal performance and block sunlight in locations susceptible to algae growth



BALTIDRIVE® Power Train Fan System



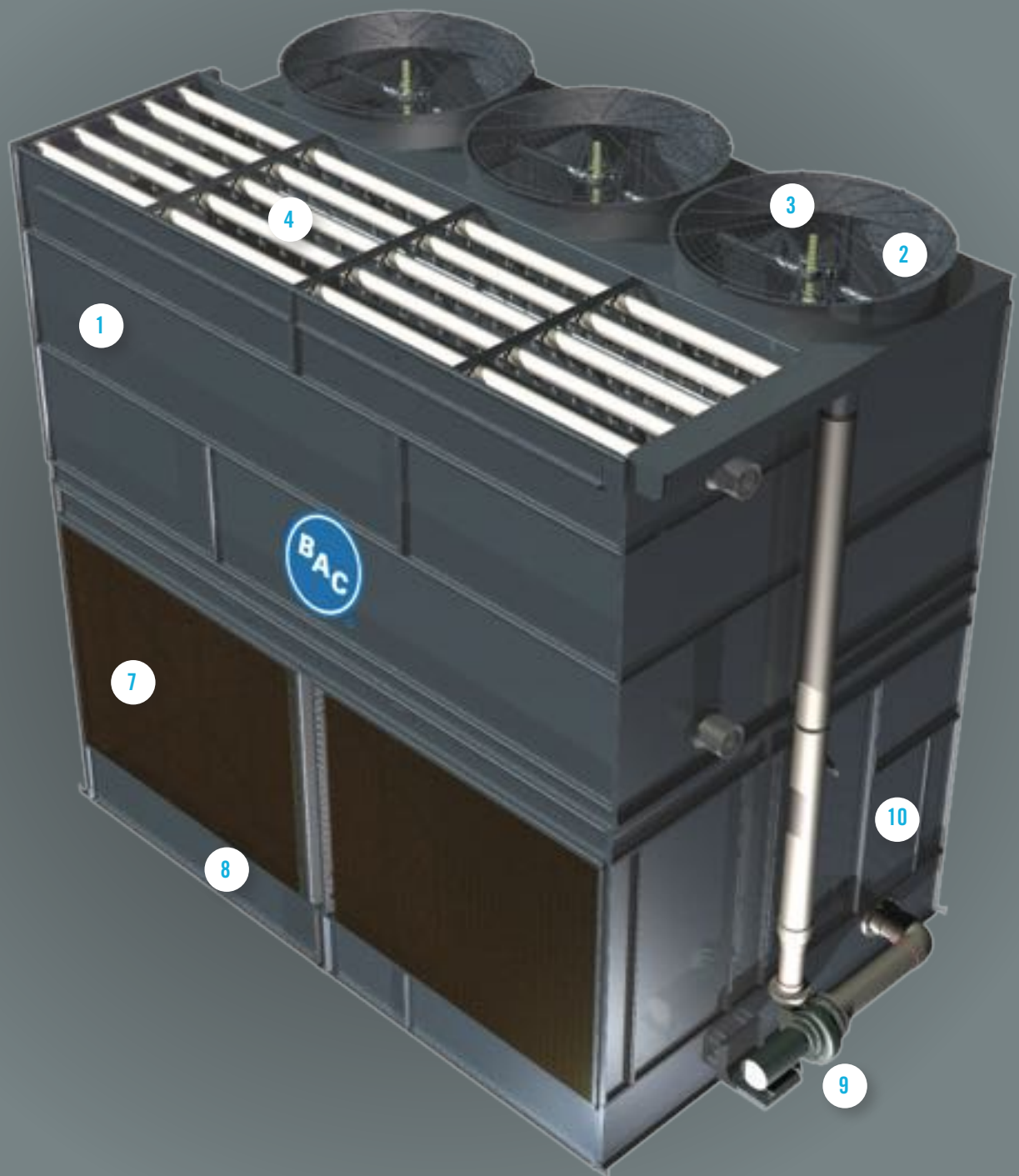
Shake Table Tested



Motor Removal System

Construction Details

Single Air Intake Models



1 Heavy-Duty Construction

- ▶ G-235 mill galvanized steel panels
- ▶ Shake tested with a S_{ds} seismic rating up to 2.40g at grade
- ▶ Designed to withstand wind loads of 167 psf
- ▶ Meets seismic and wind requirements for International Building Code

2 BALTIDRIVE® Power Train

- ▶ Premium quality, solid-backed, multi-groove belt
- ▶ Corrosion resistant cast aluminum sheaves
- ▶ Cooling tower duty motor

3 Low HP Axial Fan(s)

- ▶ Quiet operation
- ▶ High efficiency
- ▶ Corrosion resistant aluminum

4 Water Distribution System

- ▶ Visible and accessible during operation
- ▶ Overlapping spray patterns ensure proper water coverage
- ▶ BAC 360™ Spray Nozzle, large non-clog orifice

5 Coil Section (NOT SHOWN)

- ▶ Continuous serpentine, steel tubing
- ▶ Hot-dip galvanized after fabrication (HDGAF)
- ▶ Pneumatically tested at 375 psig
- ▶ Sloped tubes for free drainage of fluid
- ▶ Fabricated per ASME B31.5 standards

6 BACross® Fill with Integral Drift Eliminators (NOT SHOWN)

- ▶ High efficiency heat transfer surface
- ▶ Recyclable polyvinyl chloride (PVC)
- ▶ Impervious to rot, decay, and biological attack
- ▶ Flame spread rating of 5 per ASTM E84
- ▶ Elevated off the cold water basin

7 Combined Inlet Shields

- ▶ Corrosion resistant
- ▶ UV-resistant finish
- ▶ Maintenance free
- ▶ Reduces sunlight and algae growth

8 Cold Water Basin

- ▶ Sloped cold water basin for easy cleaning
- ▶ Suction strainer with anti-vortex hood accessible from internal walkway

9 Recirculating Spray Water Pump

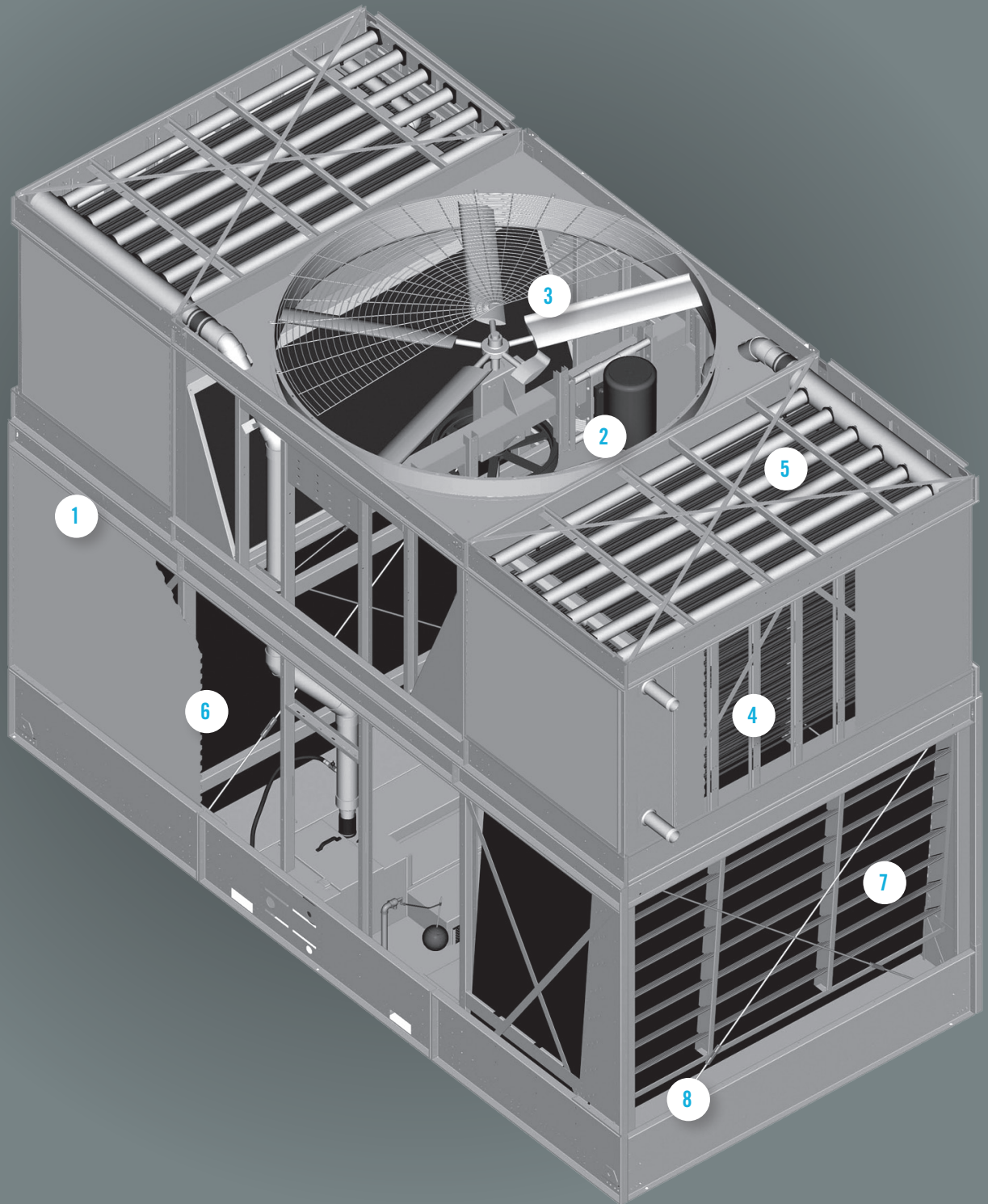
- ▶ Close coupled, bronze fitted centrifugal pump
- ▶ Totally enclosed fan cooled (TEFC) motor
- ▶ Bleed line with metering valve installed from pump discharge to overflow

10 Hinged Access Doors

- ▶ Inward swinging door on each end wall
- ▶ Opening to a standard internal walkway

Construction Details

Dual Air Inlet Models



1 Heavy-Duty Construction

- ▶ G-235 mill galvanized steel frame

2 BALTIDRIVE® Power Train

- ▶ Premium quality, solid backed, multi-groove belt
- ▶ Corrosion resistant cast aluminum sheaves
- ▶ Cooling tower duty motor

3 Low HP Axial Fan

- ▶ Quiet operation
- ▶ High efficiency
- ▶ Corrosion resistant

4 Coil Sections

- ▶ Continuous serpentine, steel tubing
- ▶ Hot-dip galvanized after fabrication (HDGAF)
- ▶ Pneumatically tested at 375 psig
- ▶ Sloped tubes for free drainage of fluid
- ▶ Fabricated per ASME B31.5 standards

5 Water Distribution System

- ▶ Visible and accessible during operation
- ▶ Overlapping spray patterns ensure proper water coverage
- ▶ BAC 360™ Spray Nozzle, large non-clog orifice

6 BACross® Fill with Integral Drift Eliminators

- ▶ High efficiency heat transfer surface
- ▶ Recyclable polyvinyl chloride (PVC)
- ▶ Impervious to rot, decay, and biological attack
- ▶ Flame spread rating of 5 per ASTM E84
- ▶ Elevated off the cold water basin

7 FRP Air Intake Louvers

- ▶ Corrosion resistant
- ▶ UV-resistant finish
- ▶ Maintenance free

8 Hygienic Cold Water Basin

- ▶ Sloped cold water basin at air intake face to eliminate stagnant water for easy cleaning
- ▶ Suction strainer with anti-vortex hood

9 Integral Recirculating Spray Water Pumps (Not Shown)

- ▶ Close coupled, bronze fitted centrifugal pumps
- ▶ Totally enclosed fan cooled (TEFC) motors
- ▶ Bleed line with metering valve installed from pump discharge to overflow

10 Hinged Access Doors (Not Shown)

- ▶ Inward swinging door on each end wall
- ▶ Easy safe access to the interior of the unit

FXVB Custom Features & Options

› Materials of Construction

Determining the appropriate material of construction for a project depends on several factors, including water quality, climate and environmental conditions, availability of time and manpower for maintenance, unit lifetime requirements, and budget. BAC provides the widest variety of material of construction options in the industry and has the ability to provide a solution to meet all conditions and budgets.



STANDARD CONSTRUCTION (SINGLE AIR INTAKE / DUAL AIR INTAKE)

G-235 mill galvanized steel is the heaviest commercially available galvanized steel, universally recognized for its strength and corrosion resistance. To assure long-life, G-235 mill galvanized steel panels and structural members are used as the standard material of construction. With proper maintenance and water treatment, G-235 galvanized steel will provide an excellent service life under the operating conditions normally encountered in comfort cooling and industrial applications.

▶ **STAINLESS STEEL (OPTION)**

304 or 316L stainless steel plate is available for cooling tower enclosures, and the stainless bolts are employed as fasteners.

› Coil Configurations

BAC offers a large selection of coil configuration options to fulfill any thermal and pressure drop requirements.

▶ **STANDARD SERPENTINE COIL**

The standard cooling coil is constructed of continuous lengths of all prime surface steel. The coil is hot-dip galvanized after fabrication (HDGAF) to apply a thick zinc corrosion barrier over the entire exterior surface of the coil. The coil is designed for low pressure drop with sloping tubes for free drainage of fluid. Each coil is pneumatically tested at 375 psig (2,586 kPa).

▶ **LOW PRESSURE DROP COIL DESIGNS**

Multiple coil configurations have been designed by BAC and are available to meet all system pressure drop requirements. A higher pressure drop across the coil requires greater system pumping energy and therefore increases operating costs. These coil configurations drastically reduce pressure drop while ensuring the highest thermal performance.



Standard Construction Installation (Single Air Intake)



Standard Coil Construction



► **CLEANABLE HEADER COIL (OPTION)**

The cleanable header tube bundle provides removable cover plates on the inlet and outlet header boxes to permit access to each serpentine tube circuit for solvent or air-pressure cleaning. Tubes are all prime surface steel tubing formed into a serpentine shape and welded into an assembly. Coil material options include carbon steel coils (hot-dip galvanized outside surface) or stainless steel coils. Each coil is pneumatically tested at 125 psig (860 kPa).

► **STAINLESS STEEL COIL (OPTION)**

Coils are available in Type 304 stainless steel for specialized applications. The coil is designed for low pressure drop with sloping tubes for free drainage of fluid. Each coil is pneumatically tested at 375 psig (2,586 kPa) and is fabricated per ASME B31.5 standards to ensure the highest quality and integrity.

► **STRAIGHT-THROUGH CLEANABLE COIL (OPTION)**

A header box with a removable cover plate at each end of the coil allows access to every tube end for mechanical cleaning or plugging. It is available in carbon steel (hot-dip galvanized inside and out) or stainless steel. Each coil is pneumatically tested at 125 psig (860 kPa).

► **ASME “U” STAMP COIL (OPTION)**

The ASME coils are requested for heavy industrial or process applications. This serpentine coil is manufactured and tested in accordance with the ASME Boiler and Pressure Vessel Code, Section VIII, Division 1, and bears the ASME “U” Stamp. ASME coils are hot-dip galvanized (outside surface) after fabrication (HDGAF). The coil is designed for low pressure drop with sloping tubes for free drainage of fluid. Each coil is pneumatically tested at 375 psig.

► **MULTIPLE CIRCUIT COILS (OPTION)**

Split coil configurations are available to allow separate process fluid loops through the same unit. Separate loops may be needed for multiple applications requiring different temperature processes or multiple types of process fluids.

► **HALF CIRCUIT COIL (OPTION)**

As the opposite design of multiple circuit coil design, in a half circuit coil, fluid flows twice in the coil to enhance heat transfer when cooling tower flow is too low with standard coil.



Cleanable Header Coil



Stainless Steel Coil Construction



Straight-Through Cleanable Coil



Multiple Circuit Coils

FXVB Custom Features & Options

› Drive System Options

The fan drive system provides the cooling air necessary to reject unwanted heat from the system to the atmosphere. Cooling tower duty motors are specially designed for the harsh environment of a cooling tower and have permanently lubricated bearings, drastically decreasing the maintenance requirement of the motor. BAC belt drive systems are the most durable and maintenance friendly drive systems on the market.



STANDARD BALTIDRIVE® POWER TRAIN

The BALTIDRIVE® Power Train utilizes special corrosion resistant materials of construction and state-of-the-art technology to ensure ease of maintenance and reliable year-round performance. This BAC engineered drive system consists of a specially designed powerband and two cast aluminum sheaves located at minimal shaft centerline distances to maximize belt life.



INDEPENDENT FAN OPERATION (OPTION)

Models FXV-0809, FXV-0812, and FXV-1212 are provided with one fan motor driving two fans. The FXV-0818, and FXV-1218 are provided with two fan motors driving three fans as standard. The independent fan option consists of one fan motor and drive assembly for each fan to allow independent operation, adding an additional step of fan cycling and capacity control. This ensures redundancy for the fan and motor system.



BALTIDRIVE® Power Train Fan System



BALTIGUARD™ Fan System Provides Built in Redundancy



► **MOTOR (OPTION)**

- Variable Frequency Motor (Option)

VFD motor is available as an option to minimize energy usage and noise when the unit is not operating at full load. It is recommended that the VFD motor operated at 25-50HZ for 50HZ application and 30-60HZ for 60HZ application.

- Two Speed Motor (Option)

When cooling load varies apparently, for example, day load and night load, two speed load could be a good option to minimize energy usage and noise. 4/6 and 4/8 pole 2 speed motor is available. Contact BAC representatives for more information.

- Explosion-proof Motor (Option)

Explosion-proof motor (fan motor and pump motor) is available when there is an explosion-proof requirement. Contact BAC representatives for more information.

► **VIBRATION CUTOFF SWITCH (OPTION)**

A factory mounted vibration cutoff switch is available to effectively protect against rotating equipment failure. BAC can provide either a mechanical or solid-state electronic vibration cutoff switch or vibration sensor.



Vibration Cutoff Switch

► **EXTENDED LUBRICATION LINES (OPTION)**

Extended lubrication lines are available for lubrication of the fan shaft bearings. Fittings are located on the exterior casing panel next to the access door.



Extended Lubrication Lines with Grease Fittings Located by the Access Door

FXVB Custom Features & Options

> Cold Water Basin

The spray water collects in the cold water basin which is pumped back over the heat transfer coil. During operation, the FXV cold water basin eliminates any stagnant water zones, which are susceptible to biological growth.

▶ STANDARD MECHANICAL WATER LEVEL CONTROL

Mechanical make-up valves must operate continuously in the moist and turbulent environment existing within evaporative cooling equipment. Due to this environment, the operation of the valve must be simple, and the valve must be durable. BAC's high quality mechanical water level control assembly is standard with all units, and has been specially designed to provide the most reliable operation while being easy to maintain. This accessory is omitted for remote sump applications.



Mechanical Water Level Control



ELECTRIC WATER LEVEL CONTROL (OPTION)

BAC's Electric Water Level Control (EWLC) is a state-of-the-art conductivity actuated, probe type liquid level control. The hermetically sealed EWLC is engineered and manufactured specifically for use in evaporative cooling systems. The EWLC option replaces the standard mechanical make-up valve, and includes a slow closing, solenoid activated valve in the make-up water line to minimize water hammer. EWLC is recommended when more precise water level control is required and in areas that experience sub-freezing conditions.



Electric Water Level Control

▶ BASIN SWEEPER PIPING (OPTION)

Basin sweeper piping is an effective method of reducing sediment that may collect in the cold water basin of the unit. A complete piping system, including nozzles, is provided in the cold water basin to connect to side stream filtration equipment (provided by others).

▶ LOW AND HIGH LEVEL ALARM FLOAT SWITCHES (OPTION)

Low and high level alarm float switches are available to provide added control to your equipment operation. Level alarms can alert operators to an abnormal operating condition to ensure the highest system efficiency with minimal water usage.



Basin Sweeper Piping



BASIN HEATERS (OPTION)

Evaporative cooling equipment exposed to below freezing ambient temperatures require protection to prevent freezing of the water in the cold water basin when the unit is idle. Factory-installed electric immersion heaters, which maintain 40°F (4.4°C) water temperature, are a simple and inexpensive way of providing such protection.

HEATER kW DATA

Model Number	0°F (-17.8°C) Ambient Heaters		-20°F (-28.9°C) Ambient Heaters	
	Number of Heaters	kW per Heater	Number of Heaters	kW per Heater
FXV-0806	1	4	1	6
FXV-0809	1	6	1	9
FXV-0812	1	8	1	12
FXV-0818	1	12	1	18
FXV-1212	1	12	1	16
FXV-1218	1	16	2	12
FXV-288	2	12	2	15
FXV-362	2	15	2	20



Basin Heater

> Water Distribution System

The FXV water distribution system is provided with BAC 360 Spray Nozzles. These nozzles are large orifice and non-clogging. The design of the FXV uses parallel air and water flow to allow for easy inspection and access to the top of the coil during full operation.

▶ STANDARD SPRAY WATER PUMP

The single air intake FXV water distribution system comes standard with an integral spray water pump and the dual air intake FXV comes standard with two integral spray water pumps sized to distribute the recirculating water over the coil maximizing capacity. The patented BAC 360 Spray Nozzles are non-clog, ensure even flow over the coil area, and are simple to remove for maintenance. Parallel flow of air and spray water allow for inspection and access to the top of the coils during full operation.

▶ REDUNDANT PUMPS (OPTION)

An optional secondary spray pump is available for single air intake FXV. A manual valve will be supplied.



Standard Spray Water Pump

FXVB Custom Features & Options

> Fill

BACross® Fill, BAC's patented crossflow hanging fill, was developed after years of extensive research. BACross® Fill is made of PVC and is optimized to provide the most efficient thermal capacity. PVC is virtually impervious to rot, decay, and biological attack. The fill is elevated above the cold water basin floor to facilitate cleaning and maintenance. The integral eliminators effectively strip entrained moisture from the leaving air stream with minimum pressure drop to prevent water loss with negligible impact on efficiency.



BACross® Fill Manufacturing



STANDARD FILL

Standard fill can be used in applications with spray water temperatures up to 130°F (54.4°C). The fill and drift eliminators are formed from self-extinguishing PVC having a flame spread rating of 5 per ASTM E84.

▶ HIGH TEMPERATURE FILL (OPTION)

An optional high temperature fill material is available which increases the maximum allowable spray water temperature to 140°F (60°C). The BAC selection program determines if a fill change is required by considering all of the design requirements. The spray water temperature should not be confused with the temperature of the process fluid contained in the coil, which can go up to 180°F (82.2°C).

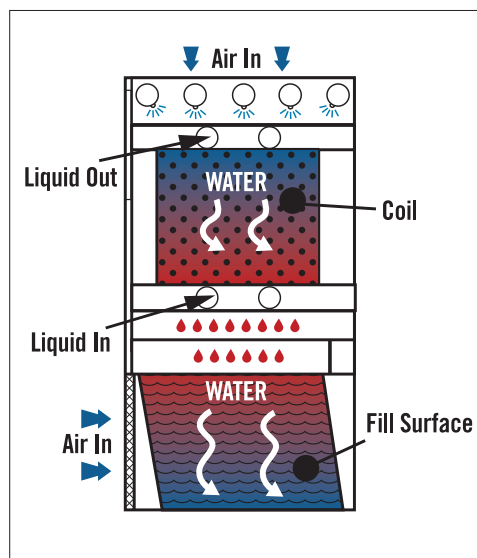
> Shipping and Rigging

▶ KNOWKDOWN UNITS STANDARD

Knockdown units are available for jobs where access to the evaporative condenser location is limited by elevators, doorways, or similar obstacles, where lifting methods impose very strict weight limits, or where the shipping cost of a fully assembled unit is excessive. All materials of construction and design features are the same as those of a factory assembled unit.

▶ ASSEMBLED UNITS (OPTION)

BAC units are factory-assembled to ensure uniform quality with minimum field assembly. Each unit has been designed with rigging and assembly in mind and includes features to minimize the number of tools required and installation time.



Coil Fill Technology



> Sound Options

Recognition of the importance of sound reduction is growing and can be a very important design criterion for any project. BAC maintains the widest selection of sound mitigating options in the market place and can provide the most cost effective option to meet any requirement.



STANDARD FAN

The fan provided for all FXV Closed Circuit Cooling Towers is selected to optimize low sound levels and maximize thermal performance.

▶ **LOW SOUND FAN (OPTION)**

For very sound sensitive installations, a low sound fan option is available to reduce the sound levels generated by the tower with minimal impact on thermal performance. Contact BAC representatives for model selection.

▶ **WHISPER QUIET FAN (OPTION)**

Whisper quiet fan is also available to further reduce noise when low sound fan is not enough. Contact BAC representatives for model selection.

▶ **SOUND ATTENUATION (OPTION)**

Besides fan option, sound attenuation (both inlet and outlet) is available. Contact BAC representatives for model selection.



SINGLE SIDE AIR INTAKE

Single-side air intake units can be placed close to solid walls, reducing the size of enclosures and allowing for more profitable use of premium space. Also, the panel opposite the air intake, called the blankoff panel, is inherently quiet. Positioning the blankoff panel towards the sound sensitive direction insulates sensitive areas from higher sound levels.



Low Sound Fan



Single Side Air Intake

FXVB Custom Features & Options

> Air Intake Options

In a closed circuit cooling tower, airborne debris can be entrained in the water through the unit's air intake. The FXV has several options for air intake accessories that prevent debris from entering the system and maintain even unobstructed flow through the unit. Reducing the amount of debris that enters the tower lowers maintenance requirements and helps to maintain thermal efficiency.



COMBINED INLET SHIELDS (CIS)

The Combined Inlet Shields' (CIS) bent flow path blocks sunlight from the cold water basin and fill section and acts as a screen to prevent debris from entering the unit. These benefits result in a significant reduction in algae growth, debris accumulation, and scale build-up. CIS are constructed from corrosion and UV resistant PVC, are CTI certified, and are installed in easy to handle sections that are separate from the fill section to facilitate removal, inspection, and replacement. The use of CIS results in lower maintenance costs and ease of maintenance over the life of the unit.



Combined Inlet Shields

▶ **PCD HOODS AND INSULATION (OPTION)**

The innovative design of BAC closed circuit cooling tower's results in a low heat loss when the unit is idle. When additional heat loss prevention is desired, PCDs with stainless steel linkages and damper actuators can be provided. The motor actuators are easily accessible. The addition of factory mounted insulation to the hood and/or casing further reduces the heat loss by minimizing losses due to conduction. Per ASHRAE 90.1-2010 either an automatic 3 way valve or PCDs are required on Closed Circuit Cooling Towers used on heat pump applications when used in heating applications.



PCD Hood Installation



➤ Access Options

BAC provides a broad offering of access options. Our evaporative equipment is designed to be the most easily maintained for sustaining capacity over a longer life. All BAC platforms and ladders are OSHA compliant to ensure personnel safety and code compliance.



NOTE: Platforms, ladders, handrails, safety gates, and safety cages can be added at the time of order or as an aftermarket item.

▶ INTERNAL WALKWAY

An internal walkway is available, allowing access to the spacious plenum area for maintenance and inspection of the cold water basin, make-up, fill, and drive system.

▶ MOTOR REMOVAL SYSTEM (OPTION)

The removal system includes davit arm(s) and access panels on the side opposite of the Air intake face, facilitating motor replacement.

▶ EXTERNAL LADDER (OPTION)

External ladder is an outside service option. It is fasten to the cooling tower panels, a safety cage is optional with the ladder.

▶ EXTERNAL PLATFORM (OPTION)

Every external platform is preassembled and pre-fitted at the factory to ensure that every component will fit and function exactly as described. The platform will ship secured in the basin and attach quickly in the field with minimum fasteners. Platforms, ladders and safety cages can be added at the time of order or as an aftermarket item. All components are designed to meet OSHA requirements.

▶ ACCESS DOOR PLATFORM AND LADDER PACKAGES (OPTION)

An access door platform is available to allow access to the unit when installed on elevated supports. This option allows for safe access to the unit, as well as a working platform to stage tools for maintenance.



▶ INTERNAL LADDER (OPTION)

Internal walkway is a standard part while internal ladder is an option part to service the inside of the tower. The ladder is fasten to the side and the walkway.

▶ INTERNAL SERVICE PLATFORM (OPTION)

Besides internal ladder, an internal service platform with walkway, ladder and handrail is also available to meet safety requirements.



External Platform and Ladder with Access Door Platform

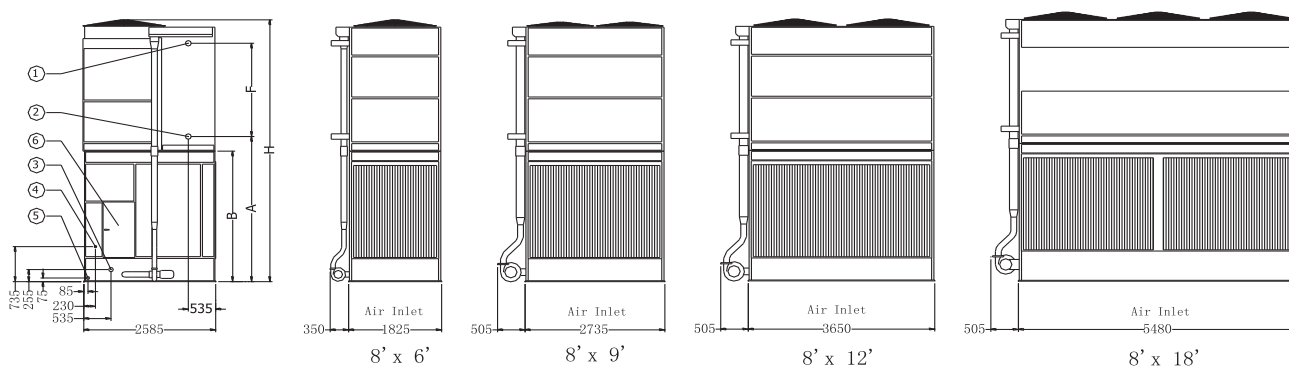


Internal Service Platform

FXVB Engineering Data

FXVB-08x06/09/12/18

Unit Profile and Engineering Data



1, Fluid out
2, Fluid in

3, Overflow DN80
4, Make-up DN40

5, Drain DN50
6, Access door

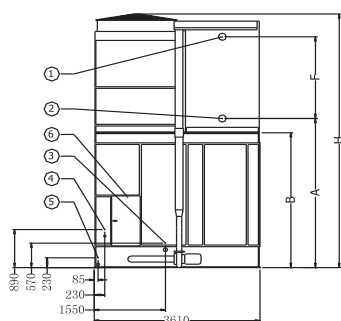
MODEL	Pump Motor (kW)	Spray Flow Rate (L/s)	Approximate Weight (kg)			Dimensions (mm)				Coil Connection Size (mm)	Coil Volume (L)
			Shipping Weight	Operating Weight	Heaviest Section	A	B	F	H		
FXV-0806A-12D-x	1.5	18.3	2218	3525	1325	2240	1935	1080	3835	DN100	167
FXV-0806A-16D-x	1.5	18.3	2354	3724	1456	2240	1935	1080	3835	DN100	223
FXV-0806A-20D-x	1.5	18.3	2495	3915	1588	2240	1935	1080	3835	DN100	276
FXV-0806A-24D-x	1.5	18.3	2812	4291	1896	2240	1935	1960	4695	DN100	333
FXV-0806B-12D-x	1.5	18.3	2459	3774	1361	3055	2745	1080	4650	DN100	167
FXV-0806B-16D-x	1.5	18.3	2599	3964	1492	3055	2745	1080	4650	DN100	223
FXV-0806B-20D-x	1.5	18.3	2735	4155	1624	3055	2745	1080	4650	DN100	276
FXV-0806B-24D-x	1.5	18.3	3057	4531	1928	3055	2745	1960	5510	DN100	333
FXV-0806B-28D-x	1.5	18.3	3193	4727	2059	3055	2745	1960	5510	DN100	390
FXV-0806B-32D-x	1.5	18.3	3329	4917	2191	3055	2745	1960	5510	DN100	443
FXV-0806B-36D-x	1.5	18.3	3470	5112	2322	3055	2745	1960	5510	DN100	500
FXV-0809A-12D-x	4.0	31.6	2998	5008	1765	2240	1935	1080	3765	DN100	250
FXV-0809A-16D-x	4.0	31.6	3202	5294	1960	2240	1935	1080	3765	DN100	333
FXV-0809A-20D-x	4.0	31.6	3407	5579	2150	2240	1935	1080	3765	DN100	416
FXV-0809A-24T-x	4.0	31.6	3842	6096	2567	2265	1935	1910	4650	DN150	500
FXV-0809B-16D-x	4.0	31.6	3470	5561	1969	3055	2745	1080	4580	DN100	333
FXV-0809B-20D-x	4.0	31.6	3674	5847	2164	3055	2745	1080	4580	DN100	416
FXV-0809B-24D-x	4.0	31.6	4078	6332	2545	3055	2745	1960	5460	DN100	500
FXV-0809B-28D-x	4.0	31.6	4282	6618	2740	3055	2745	1960	5460	DN100	583
FXV-0809B-32D-x	4.0	31.6	4482	6904	2930	3055	2745	1960	5460	DN100	666
FXV-0809B-36D-x	4.0	31.6	4686	7190	3125	3055	2745	1960	5460	DN100	746
FXV-0809B-24T-x	4.0	31.6	4110	6369	2576	3055	2745	1910	5460	DN150	500
FXV-0809B-30T-x	4.0	31.6	4414	6795	2867	3055	2745	1910	5460	DN150	625
FXV-0809B-36T-x	4.0	31.6	4717	7221	3157	3055	2745	1910	5460	DN150	746
FXV-0812A-12D-x	4.0	45.4	3642	6346	2123	2240	1935	1080	3815	DN100	333
FXV-0812A-16D-x	4.0	45.4	3910	6722	2381	2240	1935	1080	3815	DN100	443
FXV-0812A-20D-x	4.0	45.4	4178	7103	2635	2240	1935	1080	3815	DN100	553
FXV-0812A-23T-x	4.0	45.4	4568	7512	3221	2240	1935	1030	3815	DN150	666
FXV-0812A-16D-x	4.0	45.4	3983	6795	2449	2240	1935	1030	3815	DN150	443
FXV-0812A-23Q-x	4.0	45.4	4550	7489	3202	2240	1935	1030	3815	DN150	666
FXV-0812B-12D-x	4.0	45.4	3978	6682	2159	3055	2745	1080	4650	DN100	333
FXV-0812B-16D-x	4.0	45.4	4246	7058	2413	3055	2745	1080	4650	DN100	443



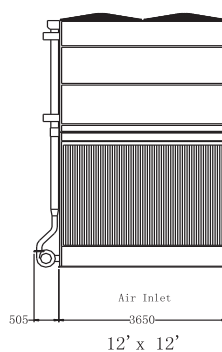
MODEL	Pump Motor (kW)	Spray Flow Rate (L/s)	Approximate Weight (kg)			Dimensions (mm)				Coil Connection Size (mm)	Coil Volume (L)
			Shipping Weight	Operating Weight	Heaviest Section	A	B	F	H		
FXV-0812B-20D-x	4.0	45.4	4513	7439	2672	3055	2745	1080	4650	DN100	553
FXV-0812B-24D-x	4.0	45.4	4949	7988	3089	3055	2745	1960	5510	DN100	666
FXV-0812B-28D-x	4.0	45.4	5180	8328	3307	3055	2745	1960	5510	DN100	776
FXV-0812B-24T-x	4.0	45.4	5044	8079	3175	3055	2745	1910	5510	DN150	666
FXV-0812B-30T-x	4.0	45.4	5443	8646	3556	3055	2745	1910	5510	DN150	829
FXV-0812B-36T-x	4.0	45.4	5847	9213	3942	3055	2745	1910	5510	DN150	996
FXV-0812B-16Q-x	4.0	45.4	4318	7131	2486	3055	2745	1030	4650	DN150	443
FXV-0812B-23Q-x	4.0	45.4	4876	7820	3252	3055	2745	1030	4650	DN150	666
FXV-0812B-24Q-x	4.0	45.4	5067	8101	3198	3055	2745	1910	5510	DN150	666
FXV-0812B-32Q-x	4.0	45.4	5602	8859	3706	3055	2745	1910	5510	DN150	886
FXV-0818A-12D-x	5.5	54.2	5266	9367	3089	2395	2085	1080	3970	DN100	500
FXV-0818A-16D-x	5.5	54.2	5629	9893	3434	2395	2085	1080	3970	DN100	666
FXV-0818A-23T-x	5.5	54.2	6668	11122	4586	2395	2085	1030	3970	DN150	996
FXV-0818A-24T-x	5.5	54.2	6872	11467	4618	2420	2085	1910	4850	DN150	996
FXV-0818A-16Q-x	5.5	54.2	5774	10038	3570	2395	2085	1030	3970	DN150	666
FXV-0818A-23Q-x	5.5	54.2	6645	11100	4563	2395	2085	1030	3970	DN150	996
FXV-0818A-24Q-x	5.5	54.2	6899	11494	4640	2420	2085	1910	4850	DN150	996
FXV-0818A-32Q-x	5.5	54.2	7757	12683	5457	2420	2085	1910	4850	DN150	1329
FXV-0818A-36H-x	5.5	54.2	8242	13331	5919	2420	2085	1860	4850	DN200	1491
FXV-0818B-12D-x	5.5	54.2	5765	9866	3157	3205	2900	1080	4800	DN100	500
FXV-0818B-24T-x	5.5	54.2	7371	11966	4686	3230	2900	1910	5660	DN150	996
FXV-0818B-30T-x	5.5	54.2	7874	12719	5162	3230	2900	1910	5660	DN150	1245
FXV-0818B-16Q-x	5.5	54.2	6273	10537	3638	3205	2900	1030	4800	DN150	666
FXV-0818B-24Q-x	5.5	54.2	7398	11993	4713	3230	2900	1910	5665	DN150	996
FXV-0818B-32Q-x	5.5	54.2	8256	13182	5529	3230	2900	1910	5665	DN150	1329
FXV-0818B-36H-x	5.5	54.2	8741	13830	5988	3230	2900	1860	5665	DN200	1491

FXVB-12x12,12x18

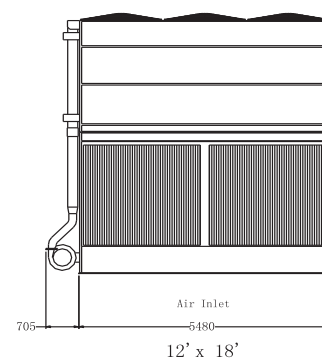
Unit Profile and Engineering Data



- 1, Fluid out
- 2, Fluid in



- 3, Overflow DN80
- 4, Make-up DN40



- 5, Drain DN50
- 6, Access door

FXVB Engineering Data

MODEL	Pump Motor (kW)	Spray Flow Rate (L/s)	Approximate Weight (kg)			Dimensions (mm)				Coil Connection Size (mm)	Coil Volume (L)
			Shipping Weight	Operating Weight	Heaviest Section	A	B	F	H		
FXV-1212B-12D-x	5.5	54.2	4890	8868	2849	3055	2745	1080	4650	DN100	549
FXV-1212B-16D-x	5.5	54.2	5334	9494	3270	3055	2745	1080	4650	DN100	731
FXV-1212B-20D-x	5.5	54.2	5774	10115	3692	3055	2745	1080	4650	DN100	912
FXV-1212B-24D-x	5.5	54.2	6464	10986	4345	3055	2745	1960	5510	DN100	1094
FXV-1212B-28D-x	5.5	54.2	6904	11612	4767	3055	2745	1960	5510	DN100	1276
FXV-1212B-23T-x	5.5	54.2	6446	10805	4468	3055	2745	1030	4650	DN150	1094
FXV-1212B-24T-x	5.5	54.2	6500	11022	4382	3055	2745	1910	5510	DN150	1094
FXV-1212B-23Q-x	5.5	54.2	6423	10782	4445	3055	2745	1030	4650	DN150	1094
FXV-1212C-12D-x	5.5	54.2	5135	9113	2980	3460	3150	1080	5055	DN100	549
FXV-1212C-16D-x	5.5	54.2	5575	9734	3402	3460	3150	1080	5055	DN100	731
FXV-1212C-20D-x	5.5	54.2	6019	10360	3824	3460	3150	1080	5055	DN100	912
FXV-1212C-24D-x	5.5	54.2	6704	11227	4477	3460	3150	1960	5945	DN100	1094
FXV-1212C-28D-x	5.5	54.2	7013	11716	4767	3460	3150	1960	5945	DN100	1276
FXV-1212C-32D-x	5.5	54.2	7416	12302	5153	3460	3150	1960	5945	DN100	1457
FXV-1212C-36D-x	5.5	54.2	7847	12914	5566	3460	3150	1960	5945	DN100	1639
FXV-1212C-23T-x	5.5	54.2	6682	11041	4541	3460	3150	1030	5050	DN150	1094
FXV-1212C-24T-x	5.5	54.2	6740	11263	4509	3460	3150	1910	5945	DN150	1094
FXV-1212C-30T-x	5.5	54.2	7403	12197	5139	3460	3150	1910	5945	DN150	1367
FXV-1212C-36T-x	5.5	54.2	8060	13132	5770	3460	3150	1910	5930	DN150	1639
FXV-1212C-16Q-x	5.5	54.2	5652	9811	3475	3460	3150	1030	5055	DN150	731
FXV-1212C-23Q-x	5.5	54.2	6659	11018	4518	3460	3150	1030	5055	DN150	1094
FXV-1212C-24Q-x	5.5	54.2	6781	11304	4550	3460	3150	1910	5945	DN150	1094
FXV-1212C-32Q-x	5.5	54.2	7661	12547	5389	3460	3150	1910	5945	DN150	1457
FXV-1212C-36H-x	5.5	54.2	8192	13259	5892	3460	3150	1860	5945	DN200	1639
FXV-1218B-12D-x	7.5	82	7571	13349	4568	3205	2900	1080	4640	DN100	821
FXV-1218B-16D-x	7.5	82	8142	14198	5139	3205	2900	1080	4640	DN100	1094
FXV-1218B-20D-x	7.5	82	8582	14910	5579	3205	2900	1080	4640	DN100	1367
FXV-1218B-23T-x	7.5	82	9566	16166	6564	3205	2900	1030	4640	DN150	1639
FXV-1218B-24T-x	7.5	82	10056	16656	7053	3205	2900	1910	5520	DN150	1639
FXV-1218B-16Q-x	7.5	82	8310	14361	5307	3205	2900	1030	4640	DN150	1094
FXV-1218B-23Q-x	7.5	82	9544	16139	6541	3205	2900	1030	4640	DN150	1639
FXV-1218B-24Q-x	7.5	82	10034	16629	7031	3205	2900	1910	5520	DN150	1639
FXV-1218B-36H-x	7.5	82	12070	19487	9067	3205	2900	1860	5520	DN200	2457
FXV-1218C-16D-x	7.5	82	8038	14338	4844	3615	3305	1080	5200	DN100	1094
FXV-1218C-20D-x	7.5	82	8677	15250	5452	3615	3305	1080	5200	DN100	1367
FXV-1218C-24T-x	7.5	82	10011	16851	6722	3640	3305	1910	6095	DN150	1639
FXV-1218C-30T-x	7.5	82	10923	18176	7593	3640	3305	1910	6095	DN150	2048
FXV-1218C-36T-x	7.5	82	11893	19555	8514	3640	3305	1910	6095	DN150	2457
FXV-1218C-16Q-x	7.5	82	8342	14642	5135	3615	3305	1030	5200	DN150	1094
FXV-1218C-23Q-x	7.5	82	9866	16461	6641	3615	3305	1030	5200	DN150	1639
FXV-1218C-24Q-x	7.5	82	10052	16897	6763	3640	3305	1910	6095	DN150	1639
FXV-1218C-32Q-x	7.5	82	11467	18856	8106	3640	3305	1910	6095	DN150	2184
FXV-1218C-36H-x	7.5	82	12270	19931	8872	3640	3305	1860	6095	DN200	2457

Do not use for construction. Refer to factory-certified dimension. This brochure includes data current at the time of publication which should be reconfirmed at time of purchase.

Notes:

- 1、The standard right hand arrangement as shown, has the air inlet side on the right with facing the connections end. Left hand arrangement can be furnished by special order.
- 2、All location dimensions for coil connections are approximate and should not be used for prefabrication of connecting piping.
- 3、Standard connections are plain pipe. Male threaded(MPT), grooved, and flanged connections are available as options.
- 4、The units will be delivered separately, upper body and lower body; as an option, upper body can be further divided into two pieces.



Model Number	Fan Motor (kW)	Model Number	Fan Motor (kW)	Model Number	Fan Motor (kW)	Model Number	Fan Motor (kW)	Model Number	Fan Motor (kW)	Model Number	Fan Motor (kW)
FXV-0806A-12D-G	2, 2	FXV-0806B-32D-G	2, 2	FXV-0809B-20D-M	15	FXV-0809B-36T-L	11	FXV-0812B-20D-M	15	FXV-0812B-32Q-M	15
FXV-0806A-12D-H	4	FXV-0806B-32D-H	4	FXV-0809B-24D-G	2, 2	FXV-0809B-36T-M	15	FXV-0812B-20D-N	18, 5	FXV-0812B-32Q-N	18, 5
FXV-0806A-12D-J	5, 5	FXV-0806B-32D-J	5, 5	FXV-0809B-24D-H	4	FXV-0812A-12D-J	5, 5	FXV-0812B-20D-O	22	FXV-0812B-32Q-O	22
FXV-0806A-12D-K	7, 5	FXV-0806B-32D-K	7, 5	FXV-0809B-24D-J	5, 5	FXV-0812A-12D-K	7, 5	FXV-0812B-24D-J	5, 5	FXV-0818A-12D-K	7, 5&4
FXV-0806A-16D-G	2, 2	FXV-0806B-32D-L	11	FXV-0809B-24D-K	7, 5	FXV-0812A-12D-L	11	FXV-0812B-24D-K	7, 5	FXV-0818A-12D-L	11&5, 5
FXV-0806A-16D-H	4	FXV-0806B-36D-G	2, 2	FXV-0809B-24D-L	11	FXV-0812A-12D-M	15	FXV-0812B-24D-L	11	FXV-0818A-12D-M	15&7, 5
FXV-0806A-16D-J	5, 5	FXV-0806B-36D-H	4	FXV-0809B-24D-M	15	FXV-0812A-16D-J	5, 5	FXV-0812B-28D-J	5, 5	FXV-0818A-16D-K	7, 5&4
FXV-0806A-16D-K	7, 5	FXV-0806B-36D-J	5, 5	FXV-0809B-28D-G	2, 2	FXV-0812A-16D-K	7, 5	FXV-0812B-28D-K	7, 5	FXV-0818A-23T-K	7, 5&4
FXV-0806A-20D-G	2, 2	FXV-0806B-36D-K	7, 5	FXV-0809B-28D-H	4	FXV-0812A-16D-L	11	FXV-0812B-24T-J	5, 5	FXV-0818A-23T-L	11&5, 5
FXV-0806A-20D-H	4	FXV-0806B-36D-L	11	FXV-0809B-28D-J	5, 5	FXV-0812A-16D-M	15	FXV-0812B-24T-K	7, 5	FXV-0818A-23T-M	15&7, 5
FXV-0806A-20D-J	5, 5	FXV-0809A-12D-G	2, 2	FXV-0809B-28D-K	7, 5	FXV-0812A-20D-J	5, 5	FXV-0812B-24T-L	11	FXV-0818A-24T-K	7, 5&4
FXV-0806A-20D-K	7, 5	FXV-0809A-12D-H	4	FXV-0809B-28D-L	11	FXV-0812A-20D-K	7, 5	FXV-0812B-24T-M	15	FXV-0818A-24T-L	11&5, 5
FXV-0806A-24D-G	2, 2	FXV-0809A-12D-J	5, 5	FXV-0809B-28D-M	15	FXV-0812A-20D-L	11	FXV-0812B-24T-N	18, 5	FXV-0818A-24T-M	15&7, 5
FXV-0806A-24D-H	4	FXV-0809A-12D-K	7, 5	FXV-0809B-32D-G	2, 2	FXV-0812A-20D-M	15	FXV-0812B-24T-O	22	FXV-0818A-16Q-K	7, 5&4
FXV-0806A-24D-J	5, 5	FXV-0809A-12D-L	11	FXV-0809B-32D-H	4	FXV-0812A-23T-J	5, 5	FXV-0812B-30T-J	5, 5	FXV-0818A-16Q-L	11&5, 5
FXV-0806A-24D-K	7, 5	FXV-0809A-16D-G	2, 2	FXV-0809B-32D-J	5, 5	FXV-0812A-23T-K	7, 5	FXV-0812B-30T-K	7, 5	FXV-0818A-16Q-M	15&7, 5
FXV-0806B-12D-G	2, 2	FXV-0809A-16D-H	4	FXV-0809B-32D-K	7, 5	FXV-0812A-23T-L	11	FXV-0812B-30T-L	11	FXV-0818A-23Q-K	7, 5&4
FXV-0806B-12D-H	4	FXV-0809A-16D-J	5, 5	FXV-0809B-32D-L	11	FXV-0812A-23T-M	15	FXV-0812B-30T-M	15	FXV-0818A-23Q-L	11&5, 5
FXV-0806B-12D-J	5, 5	FXV-0809A-16D-K	7, 5	FXV-0809B-32D-M	15	FXV-0812A-16Q-J	5, 5	FXV-0812B-30T-N	18, 5	FXV-0818A-23Q-M	15&7, 5
FXV-0806B-12D-K	7, 5	FXV-0809A-16D-L	11	FXV-0809B-36D-G	2, 2	FXV-0812A-16Q-K	7, 5	FXV-0812B-30T-O	22	FXV-0818A-24Q-K	7, 5&4
FXV-0806B-12D-L	11	FXV-0809A-20D-G	2, 2	FXV-0809B-36D-H	4	FXV-0812A-16Q-L	11	FXV-0812B-36T-J	5, 5	FXV-0818A-24Q-L	11&5, 5
FXV-0806B-16D-G	2, 2	FXV-0809A-20D-H	4	FXV-0809B-36D-J	5, 5	FXV-0812A-16Q-M	15	FXV-0812B-36T-K	7, 5	FXV-0818A-24Q-M	15&7, 5
FXV-0806B-16D-H	4	FXV-0809A-20D-J	5, 5	FXV-0809B-36D-K	7, 5	FXV-0812A-23Q-J	5, 5	FXV-0812B-36T-L	11	FXV-0818A-32Q-K	7, 5&4
FXV-0806B-16D-J	5, 5	FXV-0809A-20D-K	7, 5	FXV-0809B-36D-L	11	FXV-0812A-23Q-K	7, 5	FXV-0812B-36T-M	15	FXV-0818A-32Q-L	11&5, 5
FXV-0806B-16D-K	7, 5	FXV-0809A-20D-L	11	FXV-0809B-36D-M	15	FXV-0812A-23Q-L	11	FXV-0812B-36T-N	18, 5	FXV-0818A-32Q-M	15&7, 5
FXV-0806B-16D-L	11	FXV-0809A-24T-G	2, 2	FXV-0809B-24T-G	2, 2	FXV-0812A-23Q-M	15	FXV-0812B-36T-O	22	FXV-0818A-36H-K	7, 5&4
FXV-0806B-20D-G	2, 2	FXV-0809A-24T-H	4	FXV-0809B-24T-H	4	FXV-0812B-12D-J	5, 5	FXV-0812B-16Q-J	5, 5	FXV-0818A-36H-L	11&5, 5
FXV-0806B-20D-H	4	FXV-0809A-24T-J	5, 5	FXV-0809B-24T-J	5, 5	FXV-0812B-12D-K	7, 5	FXV-0812B-16Q-K	7, 5	FXV-0818A-36H-M	15&7, 5
FXV-0806B-20D-J	5, 5	FXV-0809A-24T-K	7, 5	FXV-0809B-24T-K	7, 5	FXV-0812B-12D-L	11	FXV-0812B-16Q-L	11	FXV-0818B-12D-K	7, 5&4
FXV-0806B-20D-K	7, 5	FXV-0809A-24T-L	11	FXV-0809B-24T-L	11	FXV-0812B-12D-M	15	FXV-0812B-16Q-M	15	FXV-0818B-12D-L	11&5, 5
FXV-0806B-20D-L	11	FXV-0809B-16D-G	2, 2	FXV-0809B-24T-M	15	FXV-0812B-12D-N	18, 5	FXV-0812B-16Q-N	18, 5	FXV-0818B-12D-M	15&7, 5
FXV-0806B-24D-G	2, 2	FXV-0809B-16D-H	4	FXV-0809B-30T-G	2, 2	FXV-0812B-12D-O	22	FXV-0812B-16Q-O	22	FXV-0818B-12D-N	18, 5&11
FXV-0806B-24D-H	4	FXV-0809B-16D-J	5, 5	FXV-0809B-30T-H	4	FXV-0812B-16D-J	5, 5	FXV-0812B-23Q-J	5, 5	FXV-0818B-12D-O	22&11
FXV-0806B-24D-J	5, 5	FXV-0809B-16D-K	7, 5	FXV-0809B-30T-J	5, 5	FXV-0812B-16D-K	7, 5	FXV-0812B-23Q-K	7, 5	FXV-0818B-24T-K	7, 5&4
FXV-0806B-24D-K	7, 5	FXV-0809B-16D-L	11	FXV-0809B-30T-K	7, 5	FXV-0812B-16D-L	11	FXV-0812B-23Q-L	11	FXV-0818B-24T-L	11&5, 5
FXV-0806B-24D-L	11	FXV-0809B-16D-M	15	FXV-0809B-30T-L	11	FXV-0812B-16D-M	15	FXV-0812B-23Q-M	15	FXV-0818B-24T-M	15&7, 5
FXV-0806B-28D-G	2, 2	FXV-0809B-20D-G	2, 2	FXV-0809B-30T-M	15	FXV-0812B-16D-N	18, 5	FXV-0812B-23Q-N	18, 5	FXV-0818B-24T-N	18, 5&11
FXV-0806B-28D-H	4	FXV-0809B-20D-H	4	FXV-0809B-36T-G	2, 2	FXV-0812B-16D-O	22	FXV-0812B-23Q-O	22	FXV-0818B-24T-O	22&11
FXV-0806B-28D-J	5, 5	FXV-0809B-20D-J	5, 5	FXV-0809B-36T-H	4	FXV-0812B-20D-J	5, 5	FXV-0812B-32Q-J	5, 5	FXV-0818B-30T-K	7, 5&4
FXV-0806B-28D-K	7, 5	FXV-0809B-20D-K	7, 5	FXV-0809B-36T-J	5, 5	FXV-0812B-20D-K	7, 5	FXV-0812B-32Q-K	7, 5	FXV-0818B-16Q-K	7, 5&4
FXV-0806B-28D-L	11	FXV-0809B-20D-L	11	FXV-0809B-36T-K	7, 5	FXV-0812B-20D-L	11	FXV-0812B-32Q-L	11	FXV-0818B-16Q-L	11&5, 5

FXVB Engineering Data

Model Number	Fan Motor (kW)	Model Number	Fan Motor (kW)	Model Number	Fan Motor (kW)	Model Number	Fan Motor (kW)	Model Number	Fan Motor (kW)	Model Number	Fan Motor (kW)
FXV-0818B-16Q-M	15&7.5	FXV-1212B-23T-N	18.5	FXV-1212C-36D-K	7.5	FXV-1212C-24Q-N	18.5	FXV-1218B-23Q-L	11&5.5	FXV-1218C-23Q-O	22&11
FXV-0818B-16Q-N	18.5&11	FXV-1212B-23T-O	22	FXV-1212C-36D-L	11	FXV-1212C-24Q-O	22	FXV-1218B-23Q-M	15&7.5	FXV-1218C-23Q-P	30&15
FXV-0818B-16Q-O	22&11	FXV-1212B-24T-K	7.5	FXV-1212C-23T-K	7.5	FXV-1212C-24Q-P	30	FXV-1218B-23Q-N	18.5&11	FXV-1218C-16Q-K	7.5&4
FXV-0818B-24Q-K	7.5&4	FXV-1212B-24T-M	15	FXV-1212C-23T-L	11	FXV-1212C-32Q-K	7.5	FXV-1218B-23Q-O	22&11	FXV-1218C-16Q-L	11&5.5
FXV-0818B-24Q-L	11&5.5	FXV-1212B-24T-N	18.5	FXV-1212C-23T-M	15	FXV-1212C-32Q-L	11	FXV-1218B-24Q-K	7.5&4	FXV-1218C-16Q-M	15&7.5
FXV-0818B-24Q-M	15&7.5	FXV-1212B-24T-O	22	FXV-1212C-23T-N	18.5	FXV-1212C-32Q-M	15	FXV-1218B-24Q-L	11&5.5	FXV-1218C-16Q-N	18.5&11
FXV-0818B-24Q-N	18.5&11	FXV-1212B-23Q-K	7.5	FXV-1212C-23T-O	22	FXV-1212C-32Q-N	18.5	FXV-1218B-24Q-M	15&7.5	FXV-1218C-16Q-O	22&11
FXV-0818B-24Q-O	22&11	FXV-1212B-23Q-M	15	FXV-1212C-23T-P	30	FXV-1212C-32Q-O	22	FXV-1218B-24Q-N	18.5&11	FXV-1218C-16Q-P	30&15
FXV-0818B-32Q-K	7.5&4	FXV-1212B-23Q-N	18.5	FXV-1212C-23Q-K	7.5	FXV-1212C-32Q-P	30	FXV-1218B-24Q-O	22&11	FXV-1218C-23Q-K	7.5&4
FXV-0818B-32Q-L	11&5.5	FXV-1212B-23Q-O	22	FXV-1212C-23Q-L	11	FXV-1212C-36H-K	7.5	FXV-1218B-36H-K	7.5&4	FXV-1218C-23Q-L	11&5.5
FXV-0818B-32Q-M	15&7.5	FXV-1212C-12D-K	7.5	FXV-1212C-23Q-M	15	FXV-1212C-36H-L	11	FXV-1218B-36H-L	11&5.5	FXV-1218C-23Q-M	15&7.5
FXV-0818B-32Q-N	18.5&11	FXV-1212C-12D-L	11	FXV-1212C-23Q-N	18.5	FXV-1212C-36H-M	15	FXV-1218B-36H-M	15&7.5	FXV-1218C-23Q-N	18.5&11
FXV-0818B-32Q-O	22&11	FXV-1212C-12D-M	15	FXV-1212C-23Q-O	22	FXV-1212C-36H-N	18.5	FXV-1218B-36H-N	18.5&11	FXV-1218C-23Q-O	22&11
FXV-0818B-36H-K	7.5&4	FXV-1212C-12D-N	18.5	FXV-1212C-23Q-P	30	FXV-1212C-36H-O	22	FXV-1218B-36H-O	22&11	FXV-1218C-23Q-P	30&15
FXV-0818B-36H-L	11&5.5	FXV-1212C-12D-O	22	FXV-1212C-24T-K	7.5	FXV-1212C-36H-P	30	FXV-1218C-12D-K	7.5&4	FXV-1218C-24Q-K	7.5&4
FXV-0818B-36H-M	15&7.5	FXV-1212C-12D-P	30	FXV-1212C-24T-L	11	FXV-1218B-12D-K	7.5&4	FXV-1218C-12D-L	11&5.5	FXV-1218C-24Q-L	11&5.5
FXV-0818B-36H-N	18.5&11	FXV-1212C-16D-K	7.5	FXV-1212C-24T-M	15	FXV-1218B-12D-L	11&5.5	FXV-1218C-12D-M	15&7.5	FXV-1218C-24Q-M	15&7.5
FXV-0818B-36H-O	22&11	FXV-1212C-16D-L	11	FXV-1212C-24T-N	18.5	FXV-1218B-12D-M	15&7.5	FXV-1218C-12D-N	18.5&11	FXV-1218C-24Q-N	18.5&11
FXV-1212B-12D-K	7.5	FXV-1212C-16D-M	15	FXV-1212C-24T-O	22	FXV-1218B-12D-N	18.5&11	FXV-1218C-12D-O	22&11	FXV-1218C-24Q-O	22&11
FXV-1212B-12D-M	15	FXV-1212C-16D-N	18.5	FXV-1212C-24T-P	30	FXV-1218B-12D-O	22&11	FXV-1218C-12D-P	30&15	FXV-1218C-24Q-P	30&15
FXV-1212B-12D-N	18.5	FXV-1212C-16D-O	22	FXV-1212C-30T-K	7.5	FXV-1218B-16D-K	7.5&4	FXV-1218C-16D-K	7.5&4	FXV-1218C-32Q-K	7.5&4
FXV-1212B-12D-O	22	FXV-1212C-16D-P	30	FXV-1212C-30T-L	11	FXV-1218B-16D-L	11&5.5	FXV-1218C-16D-L	11&5.5	FXV-1218C-32Q-L	11&5.5
FXV-1212B-16D-K	7.5	FXV-1212C-20D-L	11	FXV-1212C-30T-M	15	FXV-1218B-16D-M	15&7.5	FXV-1218C-16D-M	15&7.5	FXV-1218C-32Q-M	15&7.5
FXV-1212B-16D-M	15	FXV-1212C-20D-M	15	FXV-1212C-30T-N	18.5	FXV-1218B-16D-N	18.5&11	FXV-1218C-20D-K	7.5&4	FXV-1218C-32Q-N	18.5&11
FXV-1212B-16D-N	18.5	FXV-1212C-20D-N	18.5	FXV-1212C-30T-O	22	FXV-1218B-20D-K	7.5&4	FXV-1218C-24T-K	7.5&4	FXV-1218C-32Q-O	22&11
FXV-1212B-16D-O	22	FXV-1212C-20D-O	22	FXV-1212C-30T-P	30	FXV-1218B-23T-K	7.5&4	FXV-1218C-24T-L	11&5.5	FXV-1218C-32Q-P	30&15
FXV-1212B-20D-K	7.5	FXV-1212C-20D-P	30	FXV-1212C-36T-K	7.5	FXV-1218B-23T-L	11&5.5	FXV-1218C-24T-M	15&7.5	FXV-1218C-36H-K	7.5&4
FXV-1212B-20D-M	15	FXV-1212C-24D-K	7.5	FXV-1212C-36T-L	11	FXV-1218B-23T-M	15&7.5	FXV-1218C-24T-N	18.5&11	FXV-1218C-32Q-P	30&15
FXV-1212B-20D-N	18.5	FXV-1212C-24D-L	11	FXV-1212C-36T-M	15	FXV-1218B-23T-N	18.5&11	FXV-1218C-24T-O	22&11		
FXV-1212B-20D-O	22	FXV-1212C-24D-M	15	FXV-1212C-36T-N	18.5	FXV-1218B-23T-O	22&11	FXV-1218C-24T-P	30&15		
FXV-1212B-24D-K	7.5	FXV-1212C-24D-N	18.5	FXV-1212C-36T-O	22	FXV-1218B-24T-K	7.5&4	FXV-1218C-30T-K	7.5&4		
FXV-1212B-24D-M	15	FXV-1212C-24D-O	22	FXV-1212C-36T-P	30	FXV-1218B-24T-L	11&5.5	FXV-1218C-30T-L	11&5.5		
FXV-1212B-24D-N	18.5	FXV-1212C-24D-P	30	FXV-1212C-16Q-K	7.5	FXV-1218B-24T-M	15&7.5	FXV-1218C-30T-M	15&7.5		
FXV-1212B-24D-O	22	FXV-1212C-28D-K	7.5	FXV-1212C-16Q-L	11	FXV-1218B-24T-N	18.5&11	FXV-1218C-30T-N	18.5&11		
FXV-1212B-28D-K	7.5	FXV-1212C-28D-L	11	FXV-1212C-16Q-M	15	FXV-1218B-24T-O	22&11	FXV-1218C-30T-O	22&11		
FXV-1212B-28D-M	15	FXV-1212C-28D-M	15	FXV-1212C-16Q-N	18.5	FXV-1218B-16Q-K	7.5&4	FXV-1218C-36T-K	7.5&4		
FXV-1212B-28D-N	18.5	FXV-1212C-28D-N	18.5	FXV-1212C-16Q-O	22	FXV-1218B-16Q-L	11&5.5	FXV-1218C-36T-L	11&5.5		
FXV-1212B-28D-O	22	FXV-1212C-28D-O	22	FXV-1212C-16Q-P	30	FXV-1218B-16Q-M	15&7.5	FXV-1218C-23Q-K	7.5&4		
FXV-1212B-23T-K	7.5	FXV-1212C-32D-K	7.5	FXV-1212C-24Q-K	7.5	FXV-1218B-16Q-N	18.5&11	FXV-1218C-23Q-L	11&5.5		
FXV-1212B-23T-L	11	FXV-1212C-32D-L	11	FXV-1212C-24Q-L	11	FXV-1218B-16Q-O	22&11	FXV-1218C-23Q-M	15&7.5		
FXV-1212B-23T-M	15	FXV-1212C-32D-M	15	FXV-1212C-24Q-M	15	FXV-1218B-23Q-K	7.5&4	FXV-1218C-23Q-N	18.5&11		

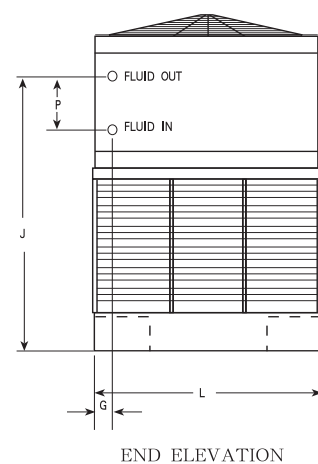
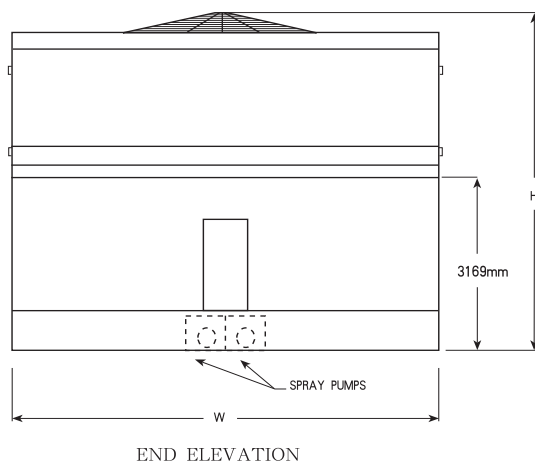


FXV-288/364

The FXV-288/364 model features include:

- ◆ Reduced shipping and operating weights
- ◆ Enhanced layout flexibility with coil connection on air intake sides

Do not use for construction. Refer to factory certified dimensions. This brochure includes data current at time of publication, which should be reconfirmed at the time of purchase.



CONNECTIONS	MAX FLOWRATE (L/s)	G	J
DN150	100	337	4998
DN200	150	375	4975

FXV-288-31X FXV-364-31X FXV-364-41X
FXV-288-2TX FXV-288-41X FXV-364-2TX

CONNECTIONS	MAX FLOWRATE (L/s)	G	J
DN150	115	337	5001
DN200	200	375	4975

FXV-288-1QX FXV-364-1QX

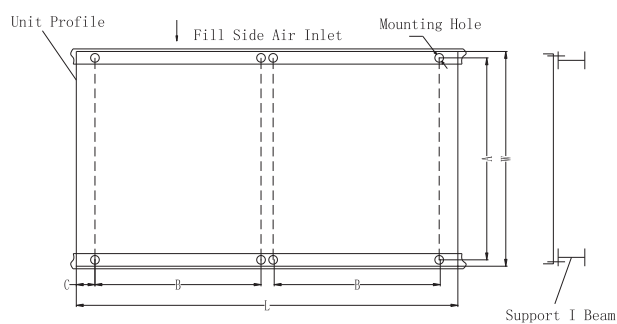
FXVB Engineering Data

MODEL	FAN MOTOR (kW)	AIRFLOW (m³/s)	PUMP MOTOR (kW)	APPROX. WEIGHT. (kg)			W	L	H	P	
				SHIPPING	OPERATING	HEAVIEST SECTION				DN150	DN200
FXV-288-31M	15	73.1	2*5.5	12556	20866	3651	7328	3632	5690	1080	1137
FXV-288-31N	18.5	78.7	2*5.5	12569	20879	3651	7328	3632	5690	1080	1137
FXV-288-31O	22	83.6	2*5.5	12569	20902	3651	7328	3632	5690	1080	1137
FXV-288-31P	30	92.2	2*5.5	12665	20974	3651	7328	3632	5690	1080	1137
FXV-288-31Q	37	99.6	2*5.5	12669	20979	3651	7328	3632	5690	1080	1137
FXV-288-31R	45	106.0	2*5.5	12769	21079	3651	7328	3632	5690	1080	1137
FXV-288-41M	15	72.2	2*5.5	13808	22539	4277	7328	3632	5690	1315	1372
FXV-288-41N	18.5	77.8	2*5.5	13821	22553	4277	7328	3632	5690	1315	1372
FXV-288-41O	22	82.6	2*5.5	13844	22576	4277	7328	3632	5690	1315	1372
FXV-288-41P	30	91.1	2*5.5	13916	22648	4277	7328	3632	5690	1315	1372
FXV-288-41Q	37	98.4	2*5.5	13921	22653	4277	7328	3632	5690	1315	1372
FXV-288-41R	45	104.7	2*5.5	14021	22753	4277	7328	3632	5690	1315	1372
FXV-288-2TN	18.5	38.0	2*5.5	13821	22553	4277	7328	3632	5690	1080	1137
FXV-288-2TO	22	40.5	2*5.5	13844	22576	4277	7328	3632	5690	1080	1137
FXV-288-2TP	30	44.6	2*5.5	13916	22648	4277	7328	3632	5690	1080	1137
FXV-288-2TQ	37	48.1	2*5.5	13921	22653	4277	7328	3632	5690	1080	1137
FXV-288-2TR	45	51.1	2*5.5	14021	22753	4277	7328	3632	5690	1080	1137
FXV-288-1QM	15	72.1	2*5.5	13808	22539	4277	7328	3632	5690	1267	1216
FXV-288-1QN	18.5	77.6	2*5.5	13821	22553	4277	7328	3632	5690	1267	1216
FXV-288-1QO	22	82.5	2*5.5	13844	22576	4277	7328	3632	5690	1267	1216
FXV-288-1QP	30	91.1	2*5.5	13916	22648	4277	7328	3632	5690	1267	1216
FXV-288-1QQ	37	98.3	2*5.5	13921	22653	4277	7328	3632	5690	1267	1216
FXV-288-1QR	45	104.6	2*5.5	14021	22753	4277	7328	3632	5690	1267	1216
FXV-364-31N	18.5	91.0	2*5.5	14347	24669	4259	8014	4245	5740	1080	1137
FXV-364-31O	22	96.7	2*5.5	14370	24472	4259	8014	4245	5740	1080	1137
FXV-364-31P	30	106.4	2*5.5	14443	24544	4259	8014	4245	5740	1080	1137
FXV-364-31Q	37	115.7	2*5.5	14447	24549	4259	8014	4245	5740	1080	1137
FXV-364-31R	45	123.1	2*5.5	14547	24649	4259	8014	4245	5740	1080	1137
FXV-364-31S	55	133.0	2*5.5	14592	24694	4259	8014	4245	5740	1080	1137
FXV-364-41N	18.5	90.4	2*5.5	15835	26427	5003	8014	4245	5740	1315	1372
FXV-364-41O	22	96.1	2*5.5	15858	26449	5003	8014	4245	5740	1315	1372
FXV-364-41P	30	105.7	2*5.5	15930	26522	5003	8014	4245	5740	1315	1372
FXV-364-41Q	37	113.3	2*5.5	15935	26527	5003	8014	4245	5740	1315	1372
FXV-364-41R	45	120.6	2*5.5	16035	26626	5003	8014	4245	5740	1315	1372
FXV-364-41S	55	131.2	2*5.5	16080	26672	5003	8014	4245	5740	1315	1372
FXV-364-2TN	18.5	44.9	2*5.5	15835	26427	5003	8014	4245	5740	1315	1372
FXV-364-2TO	22	47.6	2*5.5	15858	26449	5003	8014	4245	5740	1315	1372
FXV-364-2TP	30	52.5	2*5.5	15930	26522	5003	8014	4245	5740	1315	1372
FXV-364-2TQ	27	56.6	2*5.5	15935	26527	5003	8014	4245	5740	1315	1372
FXV-364-2TR	45	60.1	2*5.5	16035	26626	5003	8014	4245	5740	1315	1372
FXV-364-2TS	55	64.8	2*5.5	16080	26672	5003	8014	4245	5740	1315	1372
FXV-364-1QN	18.5	90.3	2*5.5	15835	26427	5003	8014	4245	5740	1267	1216
FXV-364-1QO	22	96.0	2*5.5	15858	26449	5003	8014	4245	5740	1267	1216
FXV-364-1QP	30	105.6	2*5.5	15930	26522	5003	8014	4245	5740	1267	1216
FXV-364-1QQ	37	114.0	2*5.5	15935	26527	5003	8014	4245	5740	1267	1216
FXV-364-1QR	45	121.4	2*5.5	16035	26626	5003	8014	4245	5740	1267	1216
FXV-364-1QS	55	131.1	2*5.5	16080	26672	5003	8014	4245	5740	1267	1216

FXVB Steel Support Details

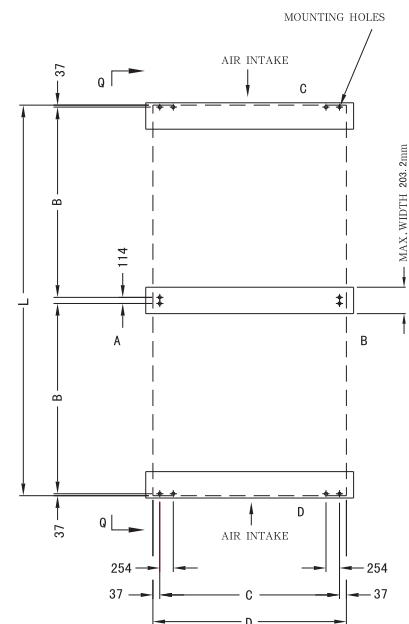
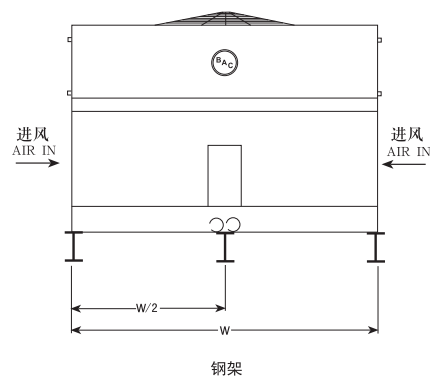


FXVB Support Structural



Model	Maximum Deflection (mm)	Dimension(mm)					Bolts
		W	L	A	B	C	
FXV-0806-x	12.7	2585	1825	2525	---	108	4
FXV-0809-x	12.7	2585	2735	2525	---	108	4
FXV-0812-x	12.7	2585	3650	2525	---	108	4
FXV-0818-x	12.7	2585	5480	2525	2580	108	8
FXV-1212-x	12.7	3610	3650	3550	---	108	4
FXV-1218-x	12.7	3610	5480	3550	2580	108	8

For FXV-288/364



Notes:

- 1.Support steel and anchor bolts to be designed and furnished by others.
- 2.All support steel must be level at the top.
- 3.Beams must be selected in accordance with accepted structural practice.
4. If point vibration isolation is used with multi-cell units, the isolators must be located under the support steel, not between the support steel and the closed circuit cooling towers.

Model	Maximum Deflection (mm)	Dimension(mm)				Bolts
		W	B	C	D	
FXV-288-x	12.7	7330	3570	3560	3635	12
FXV-364-x	12.7	8015	3915	4170	4245	12





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