



PFi Closed Circuit Cooling Towers

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The PFi Closed Circuit Cooling Tower with the OptiCoil™ System increases capacity by up to 30% or more*, enabling the PFi model line to achieve either the lowest total installed cost or the lowest total cost of ownership*. XE (Extreme Efficiency) models are also available with energy efficiency levels of up to five times the minimum requirements established in ASHRAE 90.1-2013, to further lower energy costs and reduce sound levels. The PFi model line with its patent-pending OptiCoil System, provides flexibility to meet the needs of owners, contractors, and engineers by bringing the most value to new or replacement applications where dry operation is a priority.

** Compared to traditional induced draft counterflow style closed circuit cooling towers*



BAC's PFi Closed Circuit Cooling Tower: The Efficient Solution for Dry Operation

Designed for Small to Large Tonnage Requirements
18 to 360 Nominal Tons in a Single Cell
Up to 5,709 USGPM for Process Applications

CTI Certified
with Water
and Glycol

Like-for-like
Replacement
of Competitor
Installations

OptiCoil™
System
Enhances
Capacity by
30% or More

Seasonal Dry
Operation
in Extremely
Cold Weather

OptiSpray™
Technology
Reduces Pump
HP up to 60%



PFi Benefits

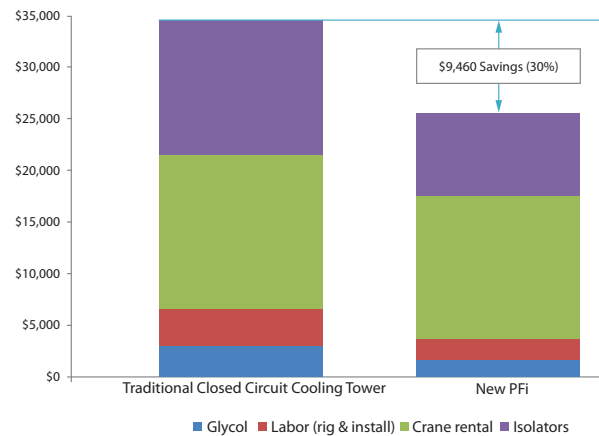
> Lowest Total Installed Cost

For contractors and owners looking for the lowest total installed cost, the PFi Closed Circuit Cooling Tower can lower installation costs by 30% or more via:

- ▶ Reduced crane, structural, and vibration isolation costs due to smaller footprint and lighter weight
- ▶ Reduced rigging and installation time with self-guiding pins and one-piece lift capability
- ▶ Less glycol required to achieve the same or higher heat transfer
- ▶ Smaller size of VFD due to a smaller HP motor
- ▶ Elimination of field thermal performance testing costs due to CTI certification for both water and glycol

Additionally, the PFi model line has many installation-friendly features, such as pre-assembled external service platforms that help significantly reduce installation times.

Typical Installation Costs

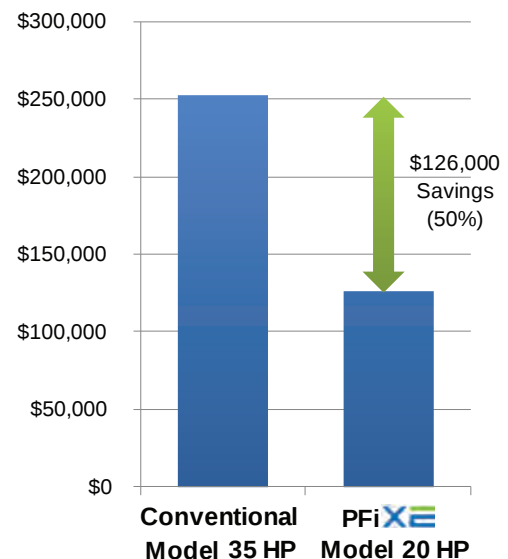


Typical 200-Ton Closed Circuit Cooling Tower Comparison

> Lowest Total Cost-of-Ownership

- ▶ **LOW ENERGY COSTS:** For those looking for the lowest total cost of ownership, the PFi Closed Circuit Cooling Tower featuring the OptiCoil™ System can help reduce energy costs by up to 50% or more with XE models featuring lower HP fan motors and the OptiSpray™ Technology featuring lower spray pump HP.
- ▶ **LOW OPERATING COST:** For those looking to reduce maintenance and repair costs, the PFi Closed Circuit Cooling Tower offers the following maintenance friendly features:
 - **Tool-Less Inward Sliding Access Door** – allows easy access to motor and drive components to reduce service times
 - **BranchLok Removal System** – reduces service times with tool-less spray branch removal
 - **Combined Inlet Shields** – Designed to be service-friendly for easy removal which helps reduce maintenance and service times

Lifetime Energy Costs



XE Model Energy Comparison



➤ Lower Risks and Costs with Like-For-Like Replacement

For replacement applications that require a like-for-like solution, the PFi model line can not only provide the lowest total installed cost or the lowest total cost of ownership, it can also lower the project risks and overall project time line. The PFi Closed Circuit Cooling Tower will deliver the same or even higher capacity, while minimizing switching costs through the reuse of existing:

- ▶ Steel support and vibration isolators
- ▶ Enclosure architecture
- ▶ Electrical infrastructure, starters and VFD

Lastly, the PFi model line is compliant with the latest building codes for energy efficiency, IBC codes for wind and seismic applications. The unit will perform per published ratings, as the entire model line is independently CTI certified.



New PFi Units Used for Replacement of Older Style Competitor Units

PFi XE Models



XE Models are up to 5 times more efficient than the minimum ASHRAE 90.1-2013 requirements

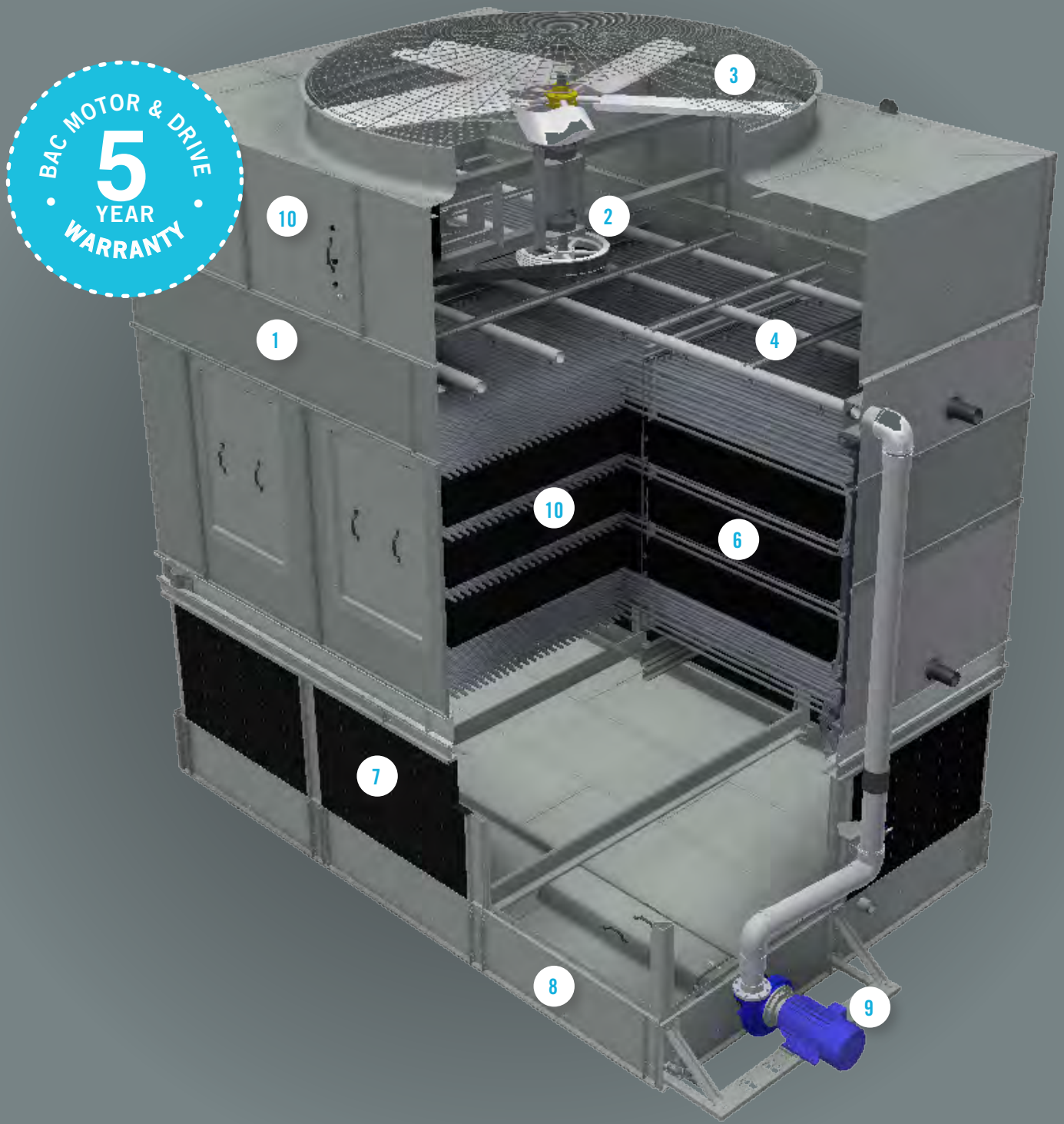


These energy efficiency levels help contribute to LEED® credits



Reduces sound levels by 5 dB while maintaining the same heat transfer

PFi Construction Details



1 Heavy-Duty Construction

- ▶ G-235 (Z700 metric) hot dip galvanized steel panels
- ▶ Meets wind and seismic requirements of the International Building Code (IBC)
- ▶ Certified with seismic ratings up to 3.75g at grade
- ▶ Designed to withstand wind loads (per ASCE/SEI 7-10) up to 200 psf

2 BALTIDRIVE® Power Train

- ▶ Premium efficient/VFD duty motors
- ▶ 5-year motor and drive warranty
- ▶ Corrosion resistant cast aluminum sheaves
- ▶ Heavy-duty bearings, with minimum L_{10} life of 100,000 hours
- ▶ Premium quality, solid backed, multi-groove belt

3 Low HP Axial Fan(s)

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

4 OptiSpray™ Technology Water Distribution System

- ▶ Patent pending technology
- ▶ Uses up to 60% less HP than competitor's unit
- ▶ Exclusive BranchLok Removal System for tool free branch removal
- ▶ Overlapping spray patterns ensure proper water coverage
- ▶ Large orifice, non-clog, BAC 360 Spray Nozzles
- ▶ Nozzles grommited for easy removal

5 Rigging Guides (NOT SHOWN)

- ▶ Self-guiding channels guide the coil casing section into position decreasing rigging time
- ▶ Self-alignment pins
- ▶ Robust base frame ensures squareness
- ▶ No skid required for shipment

6 OPTICOIL™ System Heat Transfer System

COIL

- ▶ Continuous serpentine, steel tubing
- ▶ Hot-dip galvanized after fabrication (HDGAF)
- ▶ Pneumatically tested at 375 psig (2,586 kPa)
- ▶ Fabricated per ASME B31.5 standards
- ▶ When required, orders shipping into Canada are supplied with a CRN

BAC PAK™ FILL

- ▶ High efficiency heat transfer surface
- ▶ Polyvinyl chloride (PVC)
- ▶ Impervious to rot, decay, and biological attack

7 Combined Inlet Shields

- ▶ Corrosion resistant
- ▶ Maintenance free
- ▶ UV-resistant finish
- ▶ Easy to remove sections

8 Cold Water Basin

- ▶ Sloped for easy cleaning
- ▶ Suction strainer with removable anti-vortex hood accessible from the louver face
- ▶ Adjustable water make-up assembly

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 Tool-less Access Doors

- ▶ Inward sliding door
- ▶ Permanently attached to the unit

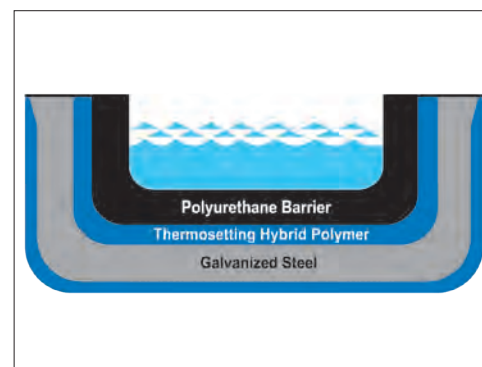
PFi Custom Features & Options

> 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. Options such as the TriArmor® Corrosion Protection System and EVERTOUGH™ Construction provide superior corrosion resistance and durability at a tremendous value.



Rigging of a Standard Installation



TriArmor® Corrosion Protection System Triple Layer Protection of the Cold Water Basin



Application of TriArmor® Corrosion Protection System



STANDARD CONSTRUCTION

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. BAC units are certified to withstand up to an S_{DS} of 3.10g and wind loads of up to 200 psf, proving its construction is designed for extreme durability. 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.



TRIARMOR® CORROSION PROTECTION SYSTEM (OPTION)

The TriArmor® Corrosion Protection System consists of heavy gauge G-235 galvanized steel panels fully encapsulated by a thermosetting hybrid polymer and further protected by a polyurethane barrier applied to all submerged surfaces of the cold water basin. The triple layers of protection form a completely seamless cold water basin for the most leak resistant and durable basin in the industry. Other components within the basin, such as the strainer and submerged structural supports, will be constructed of stainless steel. The TriArmor® Corrosion Protection System was specifically designed for evaporative cooling applications and released in 2006 after a decade of extensive R&D and field testing. To date, there are thousands of successful installations in North America. Every cold water basin is leak tested at the factory and warranted against leaks and corrosion for five years.



EVERTOUGH™ CONSTRUCTION (OPTION)

EVERTOUGH™ Construction combines the most corrosion resistant materials to provide the best value in corrosion protection for most water chemistries. EVERTOUGH™ Construction is backed by a comprehensive 5-year warranty which covers ALL components from the fan to the cold water basin, from louver to louver, including the motor (excluding the coil).

- The following materials are used in EVERTOUGH™ Construction:
 - The cold water basin is constructed with the TriArmor® Corrosion Protection System. The basin is leak tested at the factory and warranted against leaks and corrosion for 5 years.
 - Designated steel components above the cold water basin are constructed of heavy-gauge G-235 mill galvanized steel and further protected with a thermosetting hybrid polymer.
 - The distribution system is non-corrosive Schedule 40 PVC.
 - Other components within the cold water basin, such as the strainer, will be constructed of stainless steel.



EVERTOUGH™ Construction Installation

► **THERMOSETTING HYBRID POLYMER (OPTION)**

A thermosetting hybrid polymer, used to extend equipment life, is applied to select G-235 mill galvanized steel components of the unit. The polymerized coating is baked onto the G-235 mill galvanized steel and creates a barrier to the already corrosion resistant galvanized steel. The thermosetting hybrid polymer has been tested to withstand 6,000 hours in a 5% salt spray without blistering, chipping, or losing adhesion.

► **STAINLESS STEEL (OPTION)**

Several stainless steel material of construction options are available.

• **WELDED STAINLESS STEEL COLD WATER BASIN**

All steel panels and structural members of the cold water basin are constructed from stainless steel. Seams between panels inside the basin are welded, providing an advantage over bolted stainless steel basins for minimizing susceptibility to leaks at basin seams. The basin is leak tested at the factory and welded seams are provided with a 5-year, leak-proof warranty.

• **ALL STAINLESS STEEL CONSTRUCTION**

Steel panels and structural elements are constructed of stainless steel. Seams between panels inside the cold water basin are welded. The basin is leak tested at the factory and welded seams are provided with a 5-year, leak-proof warranty.



Welded Stainless Steel Cold Water Basin

PFi Custom Features & Options

► SEISMIC/WIND UPGRADED STRUCTURE

Select steel panels and structural members are upgraded for higher seismic and wind load applications. An upgraded PFi unit is certified to withstand up to an S_{DS} of 3.75g and wind loads of up to 200 psf.

> OptiCoil™ System

The patent pending OptiCoil System combines indirect and direct heat transfer sections arranged to maximize thermal performance. The OptiCoil System consists of standard serpentine coil with BAC Pak™ Fill inserted within the coil structure, engineered for easy access.



> Coil Configurations

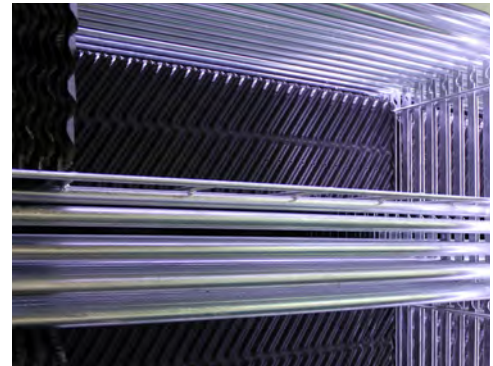
BAC offers a large selection of coil configuration options.

► STANDARD SERPENTINE COIL

The standard 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 and 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 complete integrity.

► 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). Each coil is pneumatically tested at 125 psig (860 kPa).



OptiCoil™ System



► **STAINLESS STEEL COIL (OPTION)**

Coils are available in stainless steel for specialized applications. The coil is designed for low pressure drop and 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. The header box is available in carbon steel (hot-dip galvanized inside and out). Each coil is pneumatically tested at 125 psig (860 kPa).

► **ASME U DESIGNATOR COIL (OPTION)**

BAC offers coils that are certified in accordance with the ASME Boiler and Pressure Vessel Code, Section VIII, Division I. ASME U designated coils are available for projects requiring ASME certified pressure vessels and involve 3rd party inspection and certification. Standard ASME U designated coils are rated at 340 psig (2,344 kPa) maximum allowable working pressure, and they are pneumatically tested at 375 psig (2,586 kPa).

► **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.



Stainless Steel Coil Construction

► **Fill**

The BAC Pak™ Fill is exclusively designed to provide you guaranteed thermal performance and is made of PVC making it virtually impervious to rot, decay, and biological attack. The fill can be used in applications with entering water temperature up to 140°F (60°C). The fill and drift eliminators are formed from self-extinguishing PVC that meets CTI Standard 136 for flammability, strength, and impact testing.



NOTE: A Canadian Registration Number (CRN) is required for all pressure vessels over 15 psig entering Canada. The CRN identifies that the design of a boiler, pressure vessel, or fitting has been accepted and registered for use in Canada.

PFi 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. All BAC drive systems use premium efficient cooling tower duty motors and include BAC's comprehensive 5-year motor and drive warranty. Cooling tower duty motors are specially designed for the harsh environment inside a closed circuit 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, including single nut adjustment for belt tensioning to make belt tensioning simple.



▶ STANDARD INDEPENDENT DIRECT DRIVE MOTORS

Standard on PFi-0406 and PFi-0412

The direct drive dual motor system with TEAO motors is factory mounted, alleviating the need for field installation and includes independent fans and motors for capacity control and redundancy in critical applications. Direct drive systems have the benefit of simplicity by having fewer moving parts, which reduces maintenance requirements and friction losses within the drive system.



BALTIDRIVE® Power Train Fan System
Used for VFD Applications



STANDARD BALTIDRIVE® POWER TRAIN

Standard on all models except PFi-0406 and PFi-0412

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. When compared to a gear drive system, this specially engineered belt drive system provides many advantages. The BALTIDRIVE® Power Train requires only periodic inspection of components and belt tensioning, which is simple with a single nut adjustment and requires less downtime. Only fan bearing lubrication is required for routine maintenance. Belt drive systems also have the added advantage of being suitable for variable frequency drive (VFD) applications without requiring expensive optional accessories.



► **STANDARD EXTENDED LUBRICATION LINES**

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.

► **INDEPENDENT FAN OPERATION (OPTION)**

Two fan PFi-1218 and PFi-1236 models are available for added redundancy and capacity control. The two fan drive system consists of one fan motor and drive assembly for each fan to allow independent operation, adding an additional step of fan cycling for capacity control. Each fan and motor combination is supplied with the BALTIDRIVE® Power Train fan drive system and includes all the same benefits of the one fan BALTIDRIVE® Power Train (see the previous description) with the added capability of redundancy.

► **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 in a NEMA 4 enclosure to ensure reliable protection. Additional contacts can be provided on either switch type to activate an alarm. Remote reset capability is also available on either switch type.

► **AUTOMATIC BEARING GREASER (OPTION)**

Automatic bearing greasers come with BAC recommended grease, compatible with all BAC bearings and provide a continuous supply of new grease to eliminate the need for periodic bearing maintenance. Life of the bearing is extended by eliminating under and over greasing problems. Positive displacement pumps allow for mounting up to 30 feet away from the bearing. When the grease pouch is nearly depleted, after three months to a year depending on bearing size, simply replace the pouch.



Vibration Cutout Switch



Automatic Bearing Greaser

PFi Custom Features & Options

> Cold Water Basin

The spray water collects in the cold water basin and is then pumped back over the coil. During operation, the PFi basin helps eliminate 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 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.

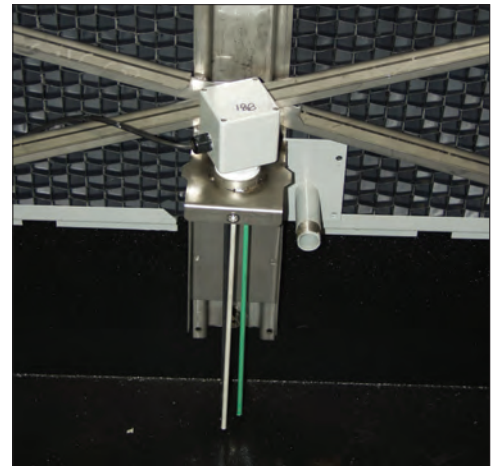


Mechanical Water Level Control



▶ **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 and is equipped with an error code LED to indicate status, including when the water and/or probes are dirty. 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.



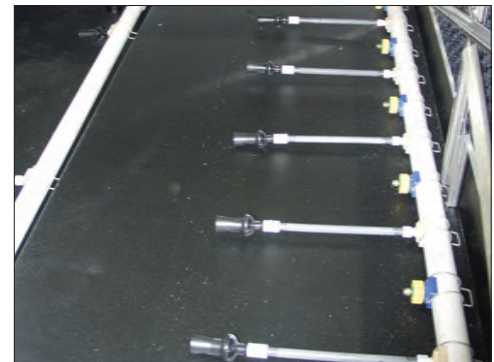
Electric Water Level Control

▶ **BASIN SWEEPER PIPING (OPTION)**

Basin sweeper piping is an effective method of eliminating sediment that may collect in the basin. A complete piping system, including nozzles, is provided in the basin to connect to side stream filtration equipment (provided by others). For more information on filtration systems, consult the "Filtration Guide" found on **page J241**.

▶ **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
PFI-0406	1	3	1	3
PFI-0412	1	5	1	6
PFI-0709	1	6	1	8
PFI-0718	1	12	1	15
PFI-1012	1	10	1	14
PFI-1024	2	10	2	14
PFI-2012	2	10	2	14
PFI-1212	1	12	1	16
PFI-1224	2	12	2	16
PFI-2412	2	12	2	16
PFI-1218	1	18	1	24
PFI-1236	2	18	2	24
PFI-2418	2	18	2	24



Basin Heater



NOTE: This table is based on 460V/3 phase/60 Hz power.

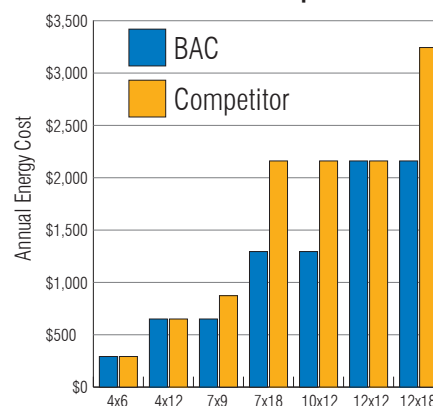
► OptiSpray™ Technology Water Distribution System

BAC provides the lowest spray water pump HP in the industry for closed circuit cooling tower products, keeping operating costs as low as possible. BAC has optimized the spray water coverage over the coil in order to maximize capacity.

► STANDARD SPRAY WATER PUMP

The PFI water distribution system comes standard with an integral spray water pump sized to distribute the recirculating water over the coil, maximizing capacity. The patented BAC 360 Spray Nozzles are non-clog to ensure even flow over the coil area, and are grommeted for easy removal. BAC's exclusive OptiSpray™ Technology can save you over \$2,000 in annual operating costs.

Annual Spray Pump Energy Cost for BAC & Competition



PFi Custom Features & Options

➤ Shipping and Rigging

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.

▶ STANDARD RIGGING GUIDES

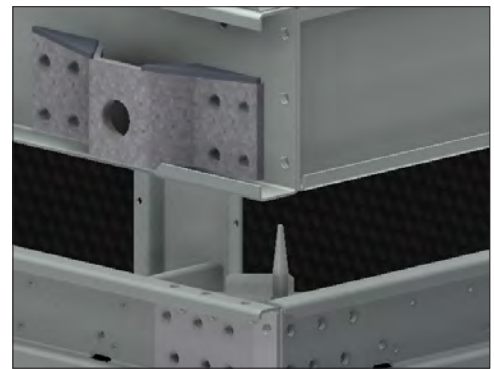
Rigging guides allow for the upper and lower section of the units to perfectly align and engage. The self-guiding pins ensure proper placement of the upper section and lower section, making rigging much simpler, reducing installation time.

▶ KNOCKDOWN UNITS (OPTION)

Knockdown units are available for jobs where access to the tower 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. Welded stainless steel cold water basins and TriArmor® Corrosion Protection System basins are excluded due to the need for in-plant assembly.

▶ CONTAINERIZED UNITS (OPTION)

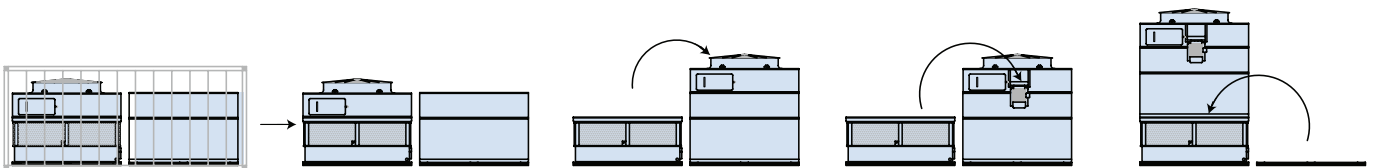
Select PFi-0406, PFi-0412, PFi-0709, and PFi-0718 models can be containerized in a standard shipping container for easy export, allowing for the lowest transportation cost possible when providing high quality BAC units to all parts of the world.



Rigging Guides



PFi Containerized Unit



Easily Assembled Containerized Units



➤ Sound Options

Recognition of the importance of sound restriction 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 PFi Closed Circuit Cooling Towers is selected to optimize low sound levels and maximize thermal performance. Thermal performance with the Standard Fan has been certified in accordance with CTI Standard STD-201.

▶ **LOW SOUND FAN (OPTION)**

The Low Sound Fan option reduces sound up to 8 dBA. Adding a high solidity fan allows for decreased fan speed, which proportionally decreases sound levels. Thermal performance with the Low Sound Fan has been certified in accordance with CTI Standard STD-201.

▶ **WHISPER QUIET FAN (OPTION)**

The Whisper Quiet Fan reduces sound up to 15 dBA. This single piece, high solidity fan is made from chemical resistant fiber reinforced polyester (FRP) and comes standard with blade leading protection. As a single piece fan, the non-corrosive blades are permanently pitched and require minimal maintenance. Thermal performance with the Whisper Quiet Fan has been certified in accordance with CTI Standard STD-201.

▶ **WATER SILENCERS (OPTION)**

Water silencers are available to reduce the sound of falling water inherent in induced draft counterflow evaporative condensers. When utilized with one of BAC's Low Sound Fans, the sound contribution due to water noise can be reduced to negligible levels. Thermal performance with the water silencers has been certified in accordance with CTI Standard STD-201.

▶ **DISCHARGE SOUND ATTENUATION (OPTION)**

Factory designed, tested, and rated sound attenuation options are available on the air discharge for models PFi-0406 and PFi-0412. Thermal performance with the discharge attenuation has been certified in accordance with CTI Standard STD-201.



Low Sound Fan



Water Silencers

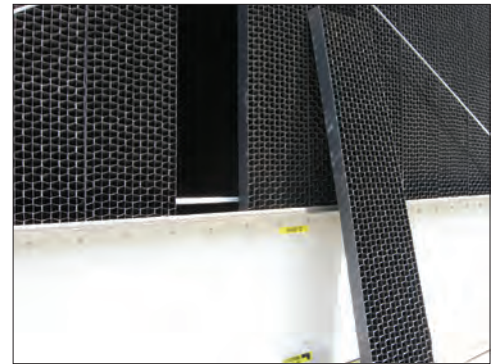
PFi Custom Features & Options

> Air Intake

In a closed circuit cooling tower, airborne debris can be entrained in the water through the unit's air intake. Reducing the amount of debris that enters the tower lowers maintenance requirements and helps to maintain thermal efficiency.

▶ COMBINED INLET SHIELDS

The combined inlet shields' (CIS) bent flow path blocks sunlight from the cold water basin 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 and are installed in easy to handle sections 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

> Air Discharge Options

BAC offers a full line of air discharge options that are built, tested, and rated specifically for all PFi Closed Circuit Cooling Towers. During idle periods, discharge hoods with PCDs and insulation are designed to minimize heat loss. When it is not possible to position cooling towers at the proper height above all other structures, fan cowl extensions can be provided to achieve the correct elevation for the fan discharge.



PCD HOODS AND INSULATION (OPTION)

The innovative design of BAC closed circuit cooling towers results in a low heat loss when the unit is idle. When additional heat loss prevention is desired, factory mounted 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 coil 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 in climate zones 3 through 8.



PFi with a PCD Hood



► FAN COWL EXTENSIONS (OPTION)

Fan cowl extensions allow for unobstructed airflow on the discharge side, which help ensure that the units are providing maximum capacity. When closed circuit cooling towers cannot be located above adjacent structures, fan cowl extensions will be necessary so that discharge air flows out of the tower properly and is not circulated back toward the air intake by the combination of wind pressure and adjacent structures.



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

> Access Options

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



MOTOR REMOVAL SYSTEM (OPTION)

All motor removal system options include davit arm(s) to facilitate motor replacement.



MODULAR EXTERNAL PLATFORMS AND LADDER PACKAGES (OPTION)

Every modular external platform is pre-assembled and pre-fitted at the factory to ensure that every component will fit and function exactly as described. The platform is rigged easily in the field with minimum fasteners and drastically reduces the time required for rigging external access platforms.

► EXTERNAL LADDER (OPTION)

The PFi can be furnished with an inclined ladder - a 75° angled ladder - extending from the base of the unit to the access door, providing safe access with minimal space requirements. All components are designed to meet OSHA requirement.



Motor Removal Davit Arm



Modular External Platform with Ladder and Safety Cage

PFi Engineering Data

Model Number	Nominal Tons ⁽¹⁾	Fan HP	Model Number	Nominal Tons ⁽¹⁾	Fan HP	Model Number	Nominal Tons ⁽¹⁾	Fan HP	Model Number	Nominal Tons ⁽¹⁾	Fan HP
PFI-0406N-3D1DZ-G1	18	3	PFI-1012N-4D4ES-01	168	30	PFI-1024N-3D2ES-02	279	60	PFI-2412N-3D3ES-N2	324	50
PFI-0406N-5D4DZ-J1	33	7.5	PFI-1012N-6D1ES-01	186	30	PFI-1024N-3D4ES-02	294	60	PFI-2412N-2D4ES-02	260	60
PFI-0406N-6D2DZ-J1	35	7.5	PFI-1212N-3D1DS-M1	136	20	PFI-1024N-4D4ES-02	336	60	PFI-2412N-3D4ES-02	346	60
PFI-0406N-3D3EZ-H1	23	5	PFI-1212N-3D1DS-N1	143	25	PFI-1024N-6D1ES-02	371	60	PFI-2412N-3D4ES-P2	369	80
PFI-0406N-4D1EZ-H1	27	5	PFI-1212N-3D2DS-N1	148	25	PFI-1224N-3D1DS-M2	272	40	PFI-2412N-4D2ES-P2	407	80
PFI-0412N-2D4DZ-G2	36	6	PFI-1212N-3D2DS-01	154	30	PFI-1224N-3D1DS-N2	285	50	PFI-2412N-5D4ES-P2	447	80
PFI-0412N-3D2DZ-H2	49	10	PFI-1212N-5D1DS-01	188	30	PFI-1224N-3D2DS-N2	296	50	PFI-2412N-6D1ES-P2	464	80
PFI-0412N-4D1DZ-H2	55	10	PFI-1212N-3D1DS-P1	157	40	PFI-1224N-3D2DS-02	307	60	PFI-1236N-2D2DS-02	357	60
PFI-0412N-4D3EZ-H2	62	10	PFI-1212N-4D3DS-P1	194	40	PFI-1224N-5D1DS-02	376	60	PFI-1236N-2D4DS-P2	403	80
PFI-0412N-4D2EZ-J2	67	15	PFI-1212N-2D4ES-M1	120	20	PFI-1224N-3D1DS-P2	314	80	PFI-1236N-3D2DS-P2	483	80
PFI-0412N-5D1EZ-J2	70	15	PFI-1212N-2D4ES-N1	125	25	PFI-1224N-4D3DS-P2	389	80	PFI-1236N-3D2DS-Q2	506	100
PFI-0412N-6D1EZ-J2	76	15	PFI-1212N-3D3ES-N1	162	25	PFI-1224N-2D4ES-M2	239	40	PFI-1236N-3D3DS-Q2	519	100
PFI-0709N-3D4DS-K1	61	10	PFI-1212N-2D4ES-01	130	30	PFI-1224N-2D4ES-N2	250	50	PFI-1236N-3D4DS-Q2	537	100
PFI-0709N-4D2DS-M1	81	20	PFI-1212N-3D4ES-01	173	30	PFI-1224N-3D3ES-N2	324	50	PFI-1236N-2D4ES-P2	425	80
PFI-0709N-5D2DS-M1	88	20	PFI-1212N-3D4ES-P1	184	40	PFI-1224N-3D4ES-02	346	60	PFI-1236N-3D1ES-R2	545	120
PFI-0709N-3D2ES-L1	69	15	PFI-1212N-4D2ES-P1	203	40	PFI-1224N-2D4ES-02	260	60	PFI-1236N-3D2ES-R2	564	120
PFI-0709N-5D3ES-L1	88	15	PFI-1212N-5D4ES-P1	223	40	PFI-1224N-3D4ES-P2	369	80	PFI-1236N-3D4ES-R2	594	120
PFI-0709N-3D3ES-M1	74	20	PFI-1212N-6D1ES-P1	232	40	PFI-1224N-4D2ES-P2	407	80	PFI-1236N-4D2ES-Q2	618	100
PFI-0709N-5D1ES-M1	91	20	PFI-1218N-2D2DS-01	178	30	PFI-1224N-5D4ES-P2	447	80	PFI-1236N-4D2ES-R2	643	120
PFI-0709N-6D1ES-M1	99	20	PFI-1218N-2D4DS-P1	202	40	PFI-1224N-6D1ES-P2	464	80	PFI-1236N-4D4ES-R2	668	120
PFI-0718N-2D1DS-J2	97	15	PFI-1218N-3D2DS-P1	241	40	PFI-2012N-3D4DS-M2	252	40	PFI-1236N-6D3ES-R2	705	120
PFI-0718N-2D3DS-K2	110	20	PFI-1218N-3D2DS-Q1	253	50	PFI-2012N-3D2DS-M2	238	40	PFI-1236N-6D1ES-R2	721	120
PFI-0718N-4D4DS-L2	174	30	PFI-1218N-3D3DS-Q1	260	50	PFI-2012N-3D3DS-N2	260	50	PFI-2418N-2D2DS-02	357	60
PFI-0718N-3D4DS-M2	165	40	PFI-1218N-3D4DS-Q1	269	50	PFI-2012N-2D2ES-L2	179	30	PFI-2418N-2D4DS-P2	403	80
PFI-0718N-2D3ES-L2	125	30	PFI-1218N-2D4ES-P1	213	40	PFI-2012N-2D4ES-N2	211	50	PFI-2418N-3D2DS-P2	483	80
PFI-0718N-3D1ES-L2	154	30	PFI-1218N-3D1ES-R1	272	60	PFI-2012N-4D2ES-N2	311	50	PFI-2418N-3D2DS-Q2	506	100
PFI-0718N-4D2ES-L2	180	30	PFI-1218N-3D2ES-R1	282	60	PFI-2012N-3D2ES-02	279	60	PFI-2418N-3D3DS-Q2	519	100
PFI-0718N-2D4ES-M2	136	40	PFI-1218N-3D4ES-R1	297	60	PFI-2012N-3D4ES-02	294	60	PFI-2418N-3D4DS-Q2	537	100
PFI-0718N-4D2ES-M2	191	40	PFI-1218N-4D2ES-Q1	309	50	PFI-2012N-4D4ES-02	336	60	PFI-2418N-2D4ES-P2	425	80
PFI-0718N-5D1ES-M2	199	40	PFI-1218N-4D2ES-R1	322	60	PFI-2012N-6D1ES-02	371	60	PFI-2418N-3D1ES-R2	545	120
PFI-0718N-6D2ES-M2	214	40	PFI-1218N-4D4ES-R1	334	60	PFI-2412N-3D1DS-M2	272	40	PFI-2418N-3D2ES-R2	564	120
PFI-1012N-3D2DS-M1	119	20	PFI-1218N-6D3ES-R1	352	60	PFI-2412N-3D1DS-N2	285	50	PFI-2418N-3D4ES-R2	594	120
PFI-1012N-3D4DS-M1	126	20	PFI-1218N-6D1ES-R1	360	60	PFI-2412N-3D2DS-N2	296	50	PFI-2418N-4D2ES-Q2	618	100
PFI-1012N-3D3DS-N1	130	25	PFI-1024N-3D2DS-M2	238	40	PFI-2412N-3D2DS-02	307	60	PFI-2418N-4D2ES-R2	643	120
PFI-1012N-2D2ES-L1	90	15	PFI-1024N-3D4DS-M2	252	40	PFI-2412N-5D1DS-02	376	60	PFI-2418N-4D4ES-R2	668	120
PFI-1012N-2D4ES-N1	106	25	PFI-1024N-3D3DS-N2	260	50	PFI-2412N-3D1DS-P2	314	80	PFI-2418N-6D3ES-R2	705	120
PFI-1012N-4D2ES-N1	156	25	PFI-1024N-2D2ES-L2	179	30	PFI-2412N-4D3DS-P2	389	80	PFI-2418N-6D1ES-R2	721	120
PFI-1012N-3D2ES-01	140	30	PFI-1024N-2D4ES-N2	211	50	PFI-2412N-2D4ES-M2	239	40			
PFI-1012N-3D4ES-01	147	30	PFI-1024N-4D2ES-N2	311	50	PFI-2412N-2D4ES-N2	250	50			



XE Models

Model Number	Nominal Tons ⁽¹⁾	Fan HP	Model Number	Nominal Tons ⁽¹⁾	Fan HP	Model Number	Nominal Tons ⁽¹⁾	Fan HP	Model Number	Nominal Tons ⁽¹⁾	Fan HP
PFI-0406N-3D1EZ-G1	20	3	PFI-1012N-2D2DS-J1	75	7.5	PFI-1212N-3D2ES-L1	144	15	PFI-1218N-4D4DS-O1	265	30
PFI-0406N-4D2DZ-G1	23	3	PFI-1012N-2D4ES-K1	88	10	PFI-1212N-3D2ES-M1	153	20	PFI-1218N-4D4DS-P1	286	40
PFI-0406N-5D1EZ-G1	27	3	PFI-1012N-3D1DS-L1	109	15	PFI-1212N-3D4DS-L1	138	15	PFI-1218N-4D4ES-Q1	319	50
PFI-0406N-6D2DZ-H1	32	5	PFI-1012N-3D2DS-K1	103	10	PFI-1212N-3D4ES-M1	158	20	PFI-1218N-5D2ES-Q1	330	50
PFI-0412N-3D1DZ-G2	43	6	PFI-1012N-3D2ES-L1	121	15	PFI-1212N-4D2DS-M1	162	20	PFI-1224N-2D4DS-K2	199	20
PFI-0412N-3D2EZ-G2	48	6	PFI-1012N-3D2ES-M1	129	20	PFI-1212N-4D2DS-N1	171	25	PFI-1224N-3D2DS-K2	246	20
PFI-0412N-4D1EZ-G2	54	6	PFI-1012N-3D4DS-L1	118	15	PFI-1212N-4D3ES-M1	176	20	PFI-1224N-3D2DS-L2	266	30
PFI-0412N-5D3EZ-G2	59	6	PFI-1012N-4D1DS-J1	109	7.5	PFI-1212N-4D4ES-N1	188	25	PFI-1224N-3D2ES-L2	288	30
PFI-0412N-6D1DZ-H2	65	10	PFI-1012N-4D1DS-M1	134	20	PFI-1212N-5D2ES-N1	199	25	PFI-1224N-3D2ES-M2	305	40
PFI-0709N-2D3DS-H1	39	5	PFI-1012N-4D1ES-J1	118	7.5	PFI-1212N-5D4DS-O1	197	30	PFI-1224N-3D4DS-L2	277	30
PFI-0709N-3D1DS-H1	50	5	PFI-1012N-4D1ES-M1	145	20	PFI-1212N-5D4ES-O1	209	30	PFI-1224N-3D4ES-M2	316	40
PFI-0709N-3D1DS-J1	54	7.5	PFI-1012N-4D3ES-L1	142	15	PFI-1212N-6D1DS-M1	185	20	PFI-1224N-4D2DS-M2	324	40
PFI-0709N-3D1ES-J1	58	7.5	PFI-1012N-4D3ES-N1	160	25	PFI-1212N-6D1ES-O1	218	30	PFI-1224N-4D2DS-N2	341	50
PFI-0709N-3D4ES-J1	61	7.5	PFI-1012N-5D2DS-M1	150	20	PFI-1218N-2D1DS-N1	166	25	PFI-1224N-4D3ES-M2	352	40
PFI-0709N-4D2ES-K1	74	10	PFI-1012N-5D2DS-N1	158	25	PFI-1218N-2D2DS-N1	172	25	PFI-1224N-4D4ES-N2	376	50
PFI-0709N-4D3ES-J1	70	7.5	PFI-1012N-6D1ES-M1	169	20	PFI-1218N-2D2ES-M1	177	20	PFI-1224N-5D2ES-N2	397	50
PFI-0709N-4D4DS-J1	66	7.5	PFI-1024N-2D2DS-J2	150	15	PFI-1218N-2D3DS-K1	148	10	PFI-1224N-5D4DS-O2	395	60
PFI-0709N-5D4DS-K1	76	10	PFI-1024N-2D4ES-K2	176	20	PFI-1218N-2D4ES-K1	160	10	PFI-1224N-5D4ES-O2	419	60
PFI-0709N-6D1ES-K1	85	10	PFI-1024N-3D1DS-L2	217	30	PFI-1218N-2D4ES-M1	185	20	PFI-1224N-6D1DS-M2	370	40
PFI-0709N-6D2ES-L1	93	15	PFI-1024N-3D2DS-K2	207	20	PFI-1218N-2D4ES-N1	194	25	PFI-1224N-6D1ES-O2	435	60
PFI-0718N-2D1DS-H2	91	10	PFI-1024N-3D2ES-L2	243	30	PFI-1218N-3D1DS-L1	192	15	PFI-1236N-2D1DS-N2	332	50
PFI-0718N-2D4ES-J2	113	15	PFI-1024N-3D2ES-M2	257	40	PFI-1218N-3D1DS-O1	220	30	PFI-1236N-2D2DS-N2	344	50
PFI-0718N-3D1DS-H2	115	10	PFI-1024N-3D4DS-L2	236	30	PFI-1218N-3D2DS-M1	209	20	PFI-1236N-2D2ES-M2	354	40
PFI-0718N-3D1DS-J2	124	15	PFI-1024N-4D1DS-J2	217	15	PFI-1218N-3D2ES-P1	261	40	PFI-1236N-2D3DS-K2	297	20
PFI-0718N-3D2DS-J2	128	15	PFI-1024N-4D1DS-M2	267	40	PFI-1218N-3D3DS-L1	199	15	PFI-1236N-2D4ES-K2	320	20
PFI-0718N-3D2DS-K2	136	20	PFI-1024N-4D1ES-J2	236	15	PFI-1218N-3D3ES-O1	249	30	PFI-1236N-2D4ES-M2	370	40
PFI-0718N-4D2DS-J2	143	15	PFI-1024N-4D1ES-M2	290	40	PFI-1218N-3D4DS-M1	216	20	PFI-1236N-2D4ES-N2	388	50
PFI-0718N-4D3DS-K2	154	20	PFI-1024N-4D3ES-L2	284	30	PFI-1218N-3D4DS-N1	228	25	PFI-1236N-3D1DS-L2	385	30
PFI-0718N-4D4ES-K2	167	20	PFI-1024N-4D3ES-N2	320	50	PFI-1218N-3D4DS-P1	255	40	PFI-1236N-3D1DS-O2	439	60
PFI-0718N-5D1ES-K2	173	20	PFI-1024N-5D2DS-M2	299	40	PFI-1218N-3D4ES-M1	233	20	PFI-1236N-3D2DS-M2	417	40
PFI-0718N-5D1ES-L2	188	30	PFI-1024N-5D2DS-N2	315	50	PFI-1218N-4D1ES-O1	272	30	PFI-1236N-3D2ES-P2	522	80
PFI-0718N-5D2ES-K2	176	20	PFI-1024N-6D1ES-M2	338	40	PFI-1218N-4D3DS-P1	278	40	PFI-1236N-3D3DS-L2	397	30
PFI-0718N-6D1DS-J2	159	15	PFI-1212N-2D4DS-K1	99	10	PFI-1218N-4D3ES-P1	297	40	PFI-1236N-3D3ES-O2	498	60
PFI-0718N-6D1ES-K2	183	20	PFI-1212N-3D2DS-K1	123	10	PFI-1218N-4D3ES-Q1	313	50	PFI-1236N-3D4DS-M2	433	40
PFI-0718N-6D1ES-L2	200	30	PFI-1212N-3D2DS-L1	133	15	PFI-1218N-4D4DS-M1	238	20	PFI-1236N-3D4DS-N2	456	50



NOTE: For notes on pages C85 and C86, see page C87.

PFi Engineering Data

XE Models

Model Number	Nominal Tons ⁽¹⁾	Fan HP
PFI-1236N-3D4DS-P2	511	80
PFI-1236N-3D4ES-M2	465	40
PFI-1236N-4D1ES-Q2	543	60
PFI-1236N-4D3DS-P2	555	80
PFI-1236N-4D3ES-P2	594	80
PFI-1236N-4D3ES-Q2	625	100
PFI-1236N-4D4DS-M2	477	40
PFI-1236N-4D4DS-Q2	529	60
PFI-1236N-4D4DS-P2	571	80
PFI-1236N-4D4ES-Q2	639	100
PFI-1236N-5D2ES-Q2	660	100
PFI-2012N-2D2DS-J2	150	15
PFI-2012N-2D4ES-K2	176	20
PFI-2012N-3D1DS-L2	217	30
PFI-2012N-3D2DS-K2	207	20
PFI-2012N-3D2ES-L2	243	30
PFI-2012N-3D2ES-M2	257	40
PFI-2012N-3D4DS-L2	236	30
PFI-2012N-4D1DS-J2	217	15
PFI-2012N-4D1DS-M2	267	40
PFI-2012N-4D1ES-J2	236	15
PFI-2012N-4D1ES-M2	290	40
PFI-2012N-4D3ES-L2	284	30

Model Number	Nominal Tons ⁽¹⁾	Fan HP
PFI-2012N-4D3ES-N2	320	50
PFI-2012N-5D2DS-M2	299	40
PFI-2012N-5D2DS-N2	315	50
PFI-2012N-6D1ES-M2	338	40
PFI-2412N-2D4DS-K2	199	20
PFI-2412N-3D2DS-K2	246	20
PFI-2412N-3D2DS-L2	266	30
PFI-2412N-3D2ES-L2	288	30
PFI-2412N-3D2ES-M2	305	40
PFI-2412N-3D4DS-L2	277	30
PFI-2412N-3D4ES-M2	316	40
PFI-2412N-4D2DS-M2	324	40
PFI-2412N-4D2DS-N2	341	50
PFI-2412N-4D3ES-M2	352	40
PFI-2412N-4D4ES-N2	376	50
PFI-2412N-5D2ES-N2	397	50
PFI-2412N-5D4DS-Q2	395	60
PFI-2412N-5D4ES-Q2	419	60
PFI-2412N-6D1DS-M2	370	40
PFI-2412N-6D1ES-Q2	435	60
PFI-2418N-2D1DS-N2	332	50
PFI-2418N-2D2DS-N2	344	50
PFI-2418N-2D2ES-M2	354	40

Model Number	Nominal Tons ⁽¹⁾	Fan HP
PFI-2418N-2D3DS-K2	297	20
PFI-2418N-2D4ES-K2	320	20
PFI-2418N-2D4ES-M2	370	40
PFI-2418N-2D4ES-N2	388	50
PFI-2418N-3D1DS-L2	385	30
PFI-2418N-3D1DS-Q2	439	60
PFI-2418N-3D2DS-M2	417	40
PFI-2418N-3D2ES-P2	522	80
PFI-2418N-3D3DS-L2	397	30
PFI-2418N-3D3ES-Q2	498	60
PFI-2418N-3D4DS-M2	433	40
PFI-2418N-3D4DS-N2	456	50
PFI-2418N-3D4DS-P2	511	80
PFI-2418N-3D4ES-M2	465	40
PFI-2418N-4D1ES-Q2	543	60
PFI-2418N-4D3DS-P2	555	80
PFI-2418N-4D3ES-P2	594	80
PFI-2418N-4D3ES-Q2	625	100
PFI-2418N-4D4DS-M2	477	40
PFI-2418N-4D4DS-Q2	529	60
PFI-2418N-4D4DS-P2	571	80
PFI-2418N-4D4ES-Q2	639	100
PFI-2418N-5D2ES-Q2	660	100



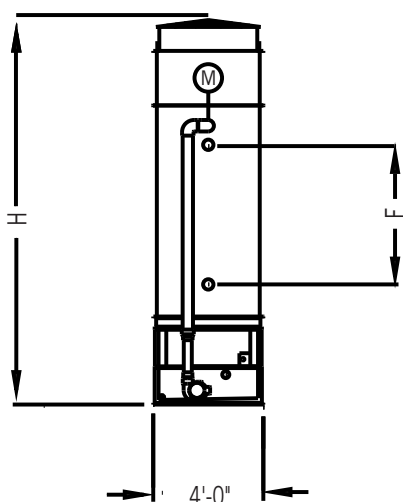
NOTES:

- Nominal tons of cooling represents 3 USGPM of water cooled from 95°F to 85°F at a 78°F entering wet-bulb temperature.
- CFM listed is for the highest fan motor HP and vary with the fan HP.
- Operating weight is for the unit with the water level in the cold water basin at the overflow.
- The actual size of the coil inlet and outlet connection may vary with the design flow rate. Consult unit print for dimensions.
- Coil inlet and outlet connections are beveled for welding.
- Models with Whisper Quiet Fans may have heights up to 5 1/2" greater than shown.
- Standard make-up, drain and overflow connections are located near the bottom of the unit. Make-up connection is 1 1/2" MPT standpipe, drain is 2" FPT, and overflow is 3" FPT. Standard make-up, drain, and overflow connections are MPT.

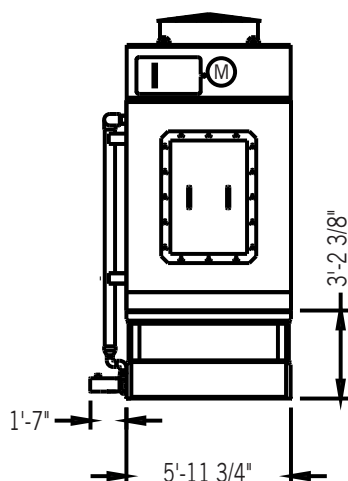
Do not use for construction. Refer to factory certified dimensions. This catalog includes data current at the time of publication, which should be reconfirmed at the time of purchase.



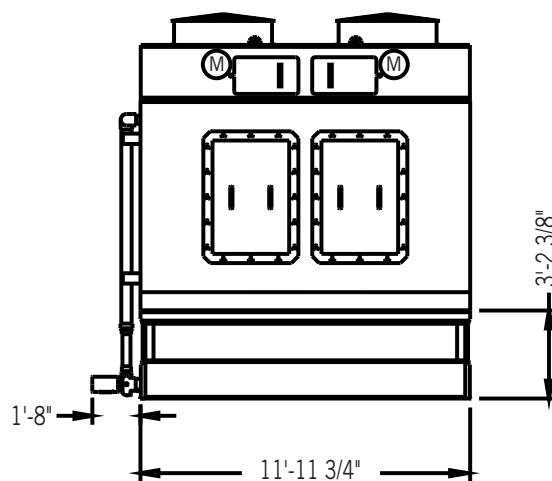
NOTE: Up-to-date engineering data, free product selection software, and more can be found at www.BaltimoreAircoil.com.



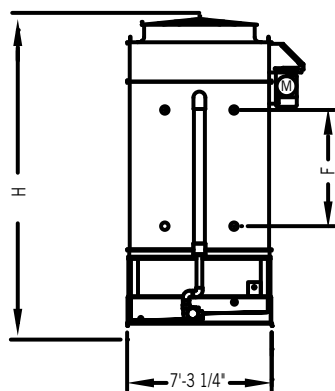
Face A:
PFi-0406 and PFi-0412 Units



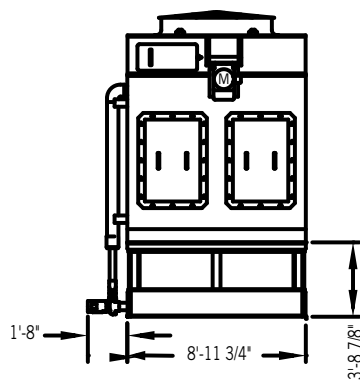
Face D:
PFi-0406 Units



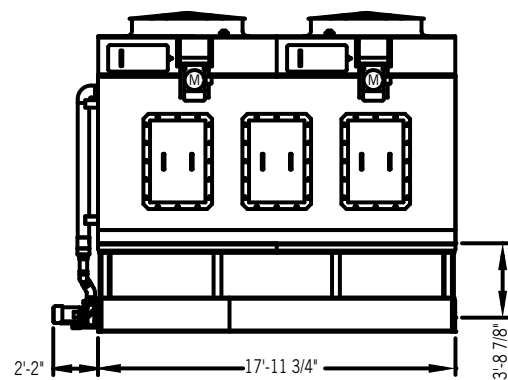
Face D:
PFi-0412 Units



Face A:
PFi-0709 and PFi-0718 Units



Face D:
PFi-0709 Units



Face D:
PFi-0718 Units

PFi Engineering Data

Model Number	Pump Motor HP	CFM ⁽²⁾	Approximate Weight (lbs)			Dimensions					Connection Size ^(4,7)		Spray Pump (USGPM)	Internal Coil Volume (gal)	Riser Pipe Dia.
			Operating Weight ⁽³⁾	Shipping Weight	Heaviest Section	L	W	H	F	P	Make-Up Water	Coil			
PFI-0406N-3D1DZ-G1	0.75	13,818	4,690	3,204	2,573	6'-0"	4'-0"	12'-9"	4'-1"	1'-7"	1 1/2"	4"	60	45	4"
PFI-0406N-5D4DZ-J1		14,944	6,350	4,467	3,833			14'-0"	5'-4"				60	94	
PFI-0406N-6D2DZ-J1		15,668	6,420	4,538	3,903			14'-8"	6'-0"				60	93	
PFI-0406N-3D3EZ-H1		14,922	5,230	3,662	3,028			14'-0"	5'-4"				60	56	
PFI-0406N-4D1EZ-H1		15,127	5,400	3,803	3,168			14'-8"	6'-0"				60	59	
PFI-0412N-2D4DZ-G2	1.5	25,249	8,250	5,391	4,462	12'-0"	4'-0"	12'-9"	4'-1"	1'-8"	1 1/2"	4"	130	77	4"
PFI-0412N-3D2DZ-H2		29,496	8,710	5,721	4,792			12'-9"	4'-1"				130	94	
PFI-0412N-3D1DZ-H2		28,962	9,250	6,133	5,202			13'-5"	4'-9"				130	109	
PFI-0412N-4D3EZ-H2		26,498	10,350	7,025	6,092			14'-8"	6'-0"				130	134	
PFI-0412N-4D2EZ-J2		30,905	10,310	7,065	6,132			14'-8"	6'-0"				130	124	
PFI-0412N-5D1EZ-J2		30,741	10,720	7,386	6,452			15'-2"	6'-6"				130	135	
PFI-0412N-6D1EZ-J2		29,728	11,550	8,008	7,072			15'-10"	7'-2"				130	161	
PFI-0709N-3D4DS-K1	1.5	35,841	11,720	7,938	6,743	9'-0"	7'-4"	14'-4"	4'-1"	1'-8"	1 1/2"	4"	180	77	6"
PFI-0709N-4D2DS-M1		45,560	12,480	8,565	7,368			14'-11"	4'-9"				180	85	
PFI-0709N-5D2DS-M1		43,379	13,730	9,487	8,288			15'-7"	5'-4"				180	104	
PFI-0709N-3D2ES-L1		42,646	11,740	8,127	6,928			15'-7"	5'-4"				180	67	
PFI-0709N-3D3ES-M1		44,752	12,150	8,437	7,238			15'-7"	5'-4"				180	73	
PFI-0709N-5D3ES-L1		36,886	14,750	10,330	9,128			16'-9"	6'-6"				180	115	
PFI-0709N-5D1ES-M1		43,559	13,700	9,600	8,398			16'-9"	6'-6"				180	96	
PFI-0709N-6D1ES-M1		41,974	14,830	10,442	9,238			17'-4"	7'-2"				180	114	
PFI-0718N-2D1DS-J2	3	78,157	18,510	12,198	9,539	18'-0"	7'-4"	15'-0"	4'-1"	2'-2"	1 1/2"	4"	370	78	6"
PFI-0718N-2D3DS-K2		81,152	19,460	12,888	10,229			15'-0"	4'-1"				370	94	
PFI-0718N-3D4DS-M2		89,793	22,850	15,368	12,709			15'-0"	4'-1"				370	149	
PFI-0718N-4D4DS-L2		77,036	25,550	17,280	14,619			15'-8"	4'-9"				370	196	
PFI-0718N-2D3ES-L2		88,667	20,310	13,720	11,059			15'-8"	4'-9"				370	95	
PFI-0718N-2D4ES-M2		94,177	20,910	14,180	11,519			15'-8"	4'-9"				370	103	
PFI-0718N-3D1ES-L2		88,193	21,570	14,642	11,979			16'-3"	5'-4"				370	115	
PFI-0718N-4D2ES-L2		81,986	24,640	16,864	14,199			16'-11"	6'-0"				370	166	
PFI-0718N-4D2ES-M2		89,651	24,760	16,984	14,319			16'-11"	6'-0"				370	166	
PFI-0718N-5D1ES-M2		88,229	26,030	17,916	15,249			17'-5"	6'-6"				370	187	
PFI-0718N-6D2ES-M2		82,399	29,530	20,438	17,769			18'-1"	7'-2"				370	245	

NOTES:

- Nominal tons of cooling represents 3 USGPM of water cooled from 95°F to 85°F at a 78°F entering wet-bulb temperature.
- CFM listed is for the highest fan motor HP and vary with the fan HP.
- Operating weight is for the unit with the water level in the cold water basin at the overflow.
- The actual size of the coil inlet and outlet connection may vary with the design flow rate. Consult unit print for dimensions.
- Coil inlet and outlet connections are beveled for welding.
- Models with Whisper Quiet Fans may have heights up to 5 1/2" greater than shown.
- Standard make-up, drain and overflow connections are located near the bottom of the unit. Make-up connection is 1 1/2" MPT standpipe, drain is 2" FPT, and overflow is 3" FPT. Standard make-up, drain, and overflow connections are MPT.

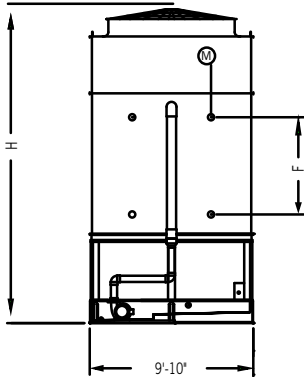
Do not use for construction. Refer to factory certified dimensions. This catalog includes data current at the time of publication, which should be reconfirmed at the time of purchase.



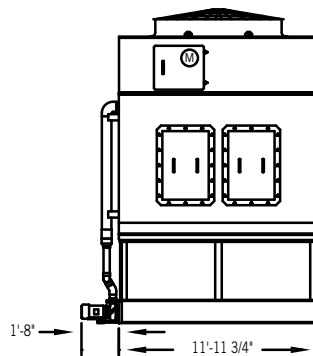
XE Models

Model Number	Pump Motor HP	CFM ⁽²⁾	Approximate Weight (lbs)			Dimensions					Connection Size ^(4,7)		Spray Pump (USGPM)	Internal Coil Volume (gal)	Riser Pipe Dia.
			Operating Weight ⁽³⁾	Shipping Weight	Heaviest Section	L	W	H	F	P	Make-Up Water	Coil			
PFI-0406N-4D2DZ-G1	0.75	12,690	5,310	3,666	3,033	6'-0"	4'-0"	13'-5"	4'-9"	1'-7"	1 1/2"	4"	60	65	4"
PFI-0406N-6D2DZ-H1		13,819	6,290	4,413	3,778			14'-8"	6'-0"					93	
PFI-0406N-5D1EZ-G1		12,202	5,810	4,109	3,473			15'-2"	6'-6"					72	
PFI-0406N-3D1EZ-G1		13,264	4,950	3,457	2,823			14'-0"	5'-4"					47	
PFI-0412N-3D1DZ-G2	1.5	25,790	8,390	5,481	4,552	12'-0"	4'-0"	12'-9"	4'-1"	1'-8"	1 1/2"	4"	130	83	4"
PFI-0412N-6D1DZ-H2		26,905	10,900	7,365	6,432			14'-8"	6'-0"					159	
PFI-0412N-3D2EZ-G2		24,211	9,110	6,104	5,172			14'-0"	5'-4"					95	
PFI-0412N-4D1EZ-G2		23,838	9,630	6,505	5,572			14'-8"	6'-0"					110	
PFI-0412N-5D3EZ-G2		21,660	11,290	7,706	6,772			15'-2"	6'-6"					165	
PFI-0709N-2D3DS-H1	1.5	32,210	10,150	6,813	5,618	9'-0"	7'-4"	14'-4"	4'-1"	1'-8"	1 1/2"	4"	180	50	6"
PFI-0709N-3D1DS-H1		32,031	10,660	7,163	5,968			14'-4"	4'-1"					60	
PFI-0709N-3D1DS-J1		36,423	10,710	7,213	6,018			14'-4"	4'-1"					60	
PFI-0709N-4D4DS-J1		30,836	13,170	8,995	7,798			14'-11"	4'-9"					100	
PFI-0709N-5D4DS-K1		31,942	14,630	10,072	8,873			15'-7"	5'-4"					123	
PFI-0709N-3D1ES-J1		34,938	11,250	7,737	6,538			15'-7"	5'-4"					61	
PFI-0709N-3D4ES-J1		31,805	12,300	8,487	7,288			15'-7"	5'-4"					79	
PFI-0709N-4D3ES-J1		31,218	13,300	9,229	8,028			16'-2"	6'-0"					94	
PFI-0709N-4D2ES-K1		35,678	12,850	8,914	7,713			16'-2"	6'-0"					86	
PFI-0709N-6D1ES-K1		33,900	14,650	10,257	9,053			17'-4"	7'-2"					114	
PFI-0709N-6D2ES-L1		37,234	15,440	10,852	9,648			17'-4"	7'-2"					125	
PFI-0718N-2D1DS-H2	3	68,559	18,410	12,098	9,439	18'-0"	7'-4"	15'-0"	4'-1"	2'-2"	1 1/2"	4"	370	78	6"
PFI-0718N-3D1DS-H2		64,773	20,360	13,458	10,799			15'-0"	4'-1"					114	
PFI-0718N-3D1DS-J2		73,661	20,460	13,558	10,899			15'-0"	4'-1"					114	
PFI-0718N-3D2DS-J2		71,982	21,130	14,028	11,369			15'-0"	4'-1"					126	
PFI-0718N-3D2DS-K2		78,769	21,160	14,058	11,399			15'-0"	4'-1"					126	
PFI-0718N-4D2DS-J2		68,205	23,520	15,770	13,109			15'-8"	4'-9"					165	
PFI-0718N-4D3DS-K2		71,012	24,430	16,420	13,759			15'-8"	4'-9"					181	
PFI-0718N-6D1DS-J2		64,509	27,030	18,344	15,679			16'-11"	6'-0"					221	
PFI-0718N-2D4ES-J2		69,056	20,510	13,780	11,119			15'-8"	4'-9"					103	
PFI-0718N-4D4ES-K2		66,399	26,180	17,884	15,219			16'-11"	6'-0"					198	
PFI-0718N-5D1ES-K2		71,125	25,660	17,546	14,879			17'-5"	6'-6"					187	
PFI-0718N-5D2ES-K2		69,210	26,760	18,326	15,659			17'-5"	6'-6"					206	
PFI-0718N-5D1ES-L2		80,693	25,910	17,796	15,129			17'-5"	6'-6"					187	
PFI-0718N-6D1ES-K2		68,676	27,850	19,148	16,479			18'-1"	7'-2"					222	
PFI-0718N-6D1ES-L2		77,841	28,100	19,398	16,729			18'-1"	7'-2"					222	

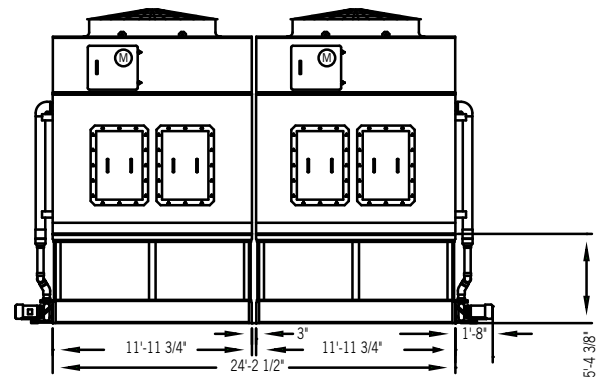
PFi Engineering Data



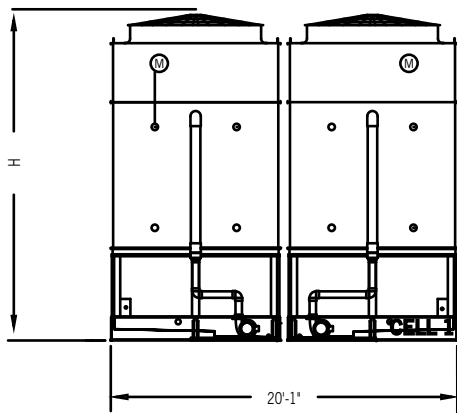
Face A:
PFi-1012 and PF2-1024 Units



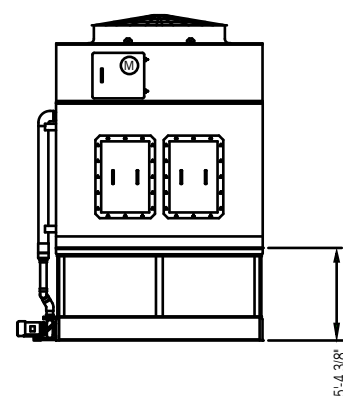
Face D:
PFi-1012 Units



Face D:
PFi-1024 Units



Face A:
PFi-2012 Units



Face D:
PFi-2012 Units



NOTES:

1. Nominal tons of cooling represents 3 USGPM of water cooled from 95°F to 85°F at a 78°F entering wet-bulb temperature.
2. CFM listed is for the highest fan motor HP and vary with the fan HP.
3. Operating weight is for the unit with the water level in the cold water basin at the overflow.
4. The actual size of the coil inlet and outlet connection may vary with the design flow rate. Consult unit print for dimensions.
5. Coil inlet and outlet connections are beveled for welding.
6. Models with Whisper Quiet Fans may have heights up to 5 1/2" greater than shown.
7. Standard make-up, drain and overflow connections are located near the bottom of the unit. Make-up connection is 1 1/2" MPT standpipe, drain is 2" FPT, and overflow is 3" FPT. Standard make-up, drain, and overflow connections are MPT.

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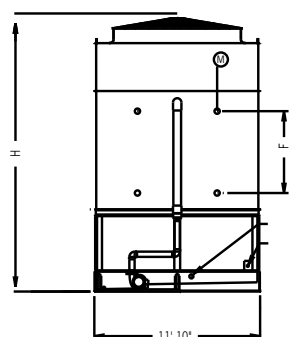


Model Number	Pump Motor HP	CFM ⁽²⁾	Approximate Weight (lbs)			Dimensions					Connection Size ^(4,7)		Spray Pump (USGPM)	Internal Coil Volume (gal)	Riser Pipe Dia.
			Operating Weight ⁽³⁾	Shipping Weight	Heaviest Section	L	W	H	F	P	Make-Up Water	Coil			
PFI-1012N-3D2DS-M1	3	74,456	18,250	12,102	10,278	12'-0"	9'-10"	16'-1"	4'-1"	1'-8"	1 1/2"	4"	340	119	6"
PFI-1012N-3D4DS-M1		69,745	19,560	13,032	11,208			16'-1"	4'-1"					142	
PFI-1012N-3D3DS-N1		77,650	19,010	12,652	10,828			16'-1"	4'-1"					132	
PFI-1012N-2D2ES-L1		68,804	16,760	11,183	9,358			16'-9"	4'-9"					84	
PFI-1012N-2D4ES-N1		77,449	17,780	11,943	10,118			16'-9"	4'-9"					100	
PFI-1012N-3D2ES-O1		81,783	19,090	12,915	11,088			17'-4"	5'-4"					121	
PFI-1012N-3D4ES-O1		76,920	20,450	13,885	12,058			17'-4"	5'-4"					144	
PFI-1012N-4D2ES-N1		73,785	21,250	14,467	12,638			18'-0"	6'-0"					157	
PFI-1012N-4D4ES-O1		72,774	23,070	15,777	13,948			18'-0"	6'-0"					188	
PFI-1012N-6D1ES-O1		75,337	24,500	16,861	15,028			19'-2"	7'-2"					209	
PFI-1024N-3D2DS-M2	(2) 3	148,912	36,730	24,437	10,278	24'-3"	9'-10"	17'-1"	4'-1"	1'-8"	1 1/2"	4"	340	119	6"
PFI-1024N-3D4DS-M2		139,490	39,360	26,297	11,208			17'-1"	4'-1"					142	
PFI-1024N-3D3DS-N2		155,300	38,260	25,537	10,828			17'-1"	4'-1"					132	
PFI-1024N-2D2ES-L2		137,608	33,750	22,601	9,358			17'-9"	4'-9"					84	
PFI-1024N-2D4ES-N2		154,898	35,800	24,121	10,118			17'-9"	4'-9"					100	
PFI-1024N-3D2ES-O2		163,566	38,420	26,065	11,088			18'-4"	5'-4"					121	
PFI-1024N-3D4ES-O2		153,840	41,140	28,005	12,058			18'-4"	5'-4"					144	
PFI-1024N-4D2ES-N2		147,570	42,730	29,169	12,638			19'-0"	6'-0"					157	
PFI-1024N-4D4ES-O2		145,548	46,380	31,789	13,948			19'-0"	6'-0"					188	
PFI-1024N-6D1ES-O2		150,674	49,240	33,956	15,028			20'-2"	7'-2"					209	
PFI-2012N-3D2DS-M2	(2) 3	148,912	36,730	24,437	10,278	12'-0"	20'-1"	17'-1"	4'-1"	1'-8"	1 1/2"	4"	340	119	6"
PFI-2012N-3D4DS-M2		139,490	39,360	26,297	11,208			12'-0"	17'-1"					4-1"	
PFI-2012N-3D3DS-N2		155,300	38,260	25,537	10,828			12'-0"	17'-1"					4-1"	
PFI-2012N-2D2ES-L2		137,608	33,750	22,601	9,358			12'-0"	17'-9"					4-9"	
PFI-2012N-2D4ES-N2		154,898	35,800	24,121	10,118			12'-0"	17'-9"					4-9"	
PFI-2012N-3D2ES-O2		163,566	38,420	26,065	11,088			12'-0"	18'-4"					5-4"	
PFI-2012N-3D4ES-O2		153,840	41,140	28,005	12,058			12'-0"	18'-4"					5-4"	
PFI-2012N-4D2ES-N2		147,570	42,730	29,169	12,638			12'-0"	19'-0"					6'-0"	
PFI-2012N-4D4ES-O2		145,548	46,380	31,789	13,948			12'-0"	19'-0"					6'-0"	
PFI-2012N-6D1ES-O2		150,674	49,240	33,956	15,028			12'-0"	20'-2"					7'-2"	

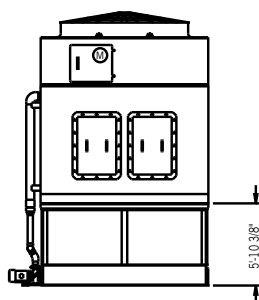
PFi Engineering Data



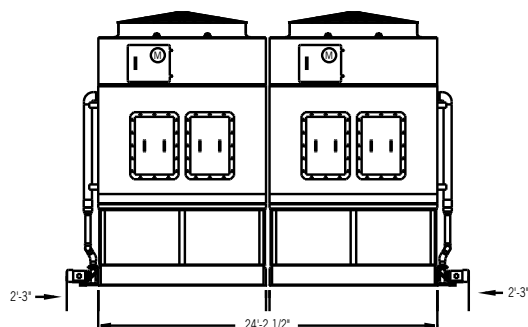
Model Number	Pump Motor HP	CFM ⁽²⁾	Approximate Weight (lbs)			Dimensions					Connection Size ^(4,7)		Spray Pump (USGPM)	Internal Coil Volume (gal)	Riser Pipe Dia.
			Operating Weight ⁽³⁾	Shipping Weight	Heaviest Section	L	W	H	F	P	Make-Up Water	Coil			
PFI-1012N-2D2DS-J1	3	57,464	16,060	10,512	8,688	12'-0"	9'-10"	16'-1"	4'-1"	1'-8"	1 1/2"	4"	340	83	6"
PFI-1012N-3D2DS-K1		59,772	18,060	11,917	10,093			16'-1"	4'-1"					119	
PFI-1012N-3D1DS-L1		70,000	17,600	11,622	9,798			16'-1"	4'-1"					108	
PFI-1012N-3D4DS-L1		63,788	19,500	12,972	11,148			16'-1"	4'-1"					142	
PFI-1012N-4D1DS-J1		53,860	19,470	12,953	11,128			16'-9"	4'-9"					141	
PFI-1012N-4D1DS-M1		73,413	19,670	13,153	11,328			16'-9"	4'-9"					141	
PFI-1012N-5D2DS-M1		67,961	22,650	15,295	13,468			17'-4"	5'-4"					191	
PFI-1012N-5D2DS-N1		72,791	22,680	15,325	13,498			17'-4"	5'-4"					191	
PFI-1012N-2D4ES-K1		57,734	17,570	11,728	9,903			16'-9"	4'-9"					100	
PFI-1012N-4D1ES-J1		51,901	20,230	13,677	11,848			18'-0"	6'-0"					143	
PFI-1012N-3D2ES-L1		65,557	18,950	12,775	10,948			17'-4"	5'-4"					121	
PFI-1012N-3D2ES-M1		71,875	19,010	12,835	11,008			17'-4"	5'-4"					121	
PFI-1012N-4D3ES-L1		61,099	22,140	15,077	13,248			18'-0"	6'-0"					174	
PFI-1012N-4D1ES-M1		70,993	20,430	13,877	12,048			18'-0"	6'-0"					143	
PFI-1012N-4D3ES-N1		71,657	22,230	15,167	13,338			18'-0"	6'-0"					174	
PFI-1012N-6D1ES-M1		66,403	24,420	16,781	14,948			19'-2"	7'-2"					209	
PFI-1024N-2D2DS-J2	(2) 3	114,928	32,350	21,257	8,688	24'-3"	9'-10"	17'-1"	4'-1"	1'-8"	1 1/2"	4"	340	83	6"
PFI-1024N-3D2DS-K2		119,544	36,360	24,067	10,093			17'-1"	4'-1"					119	
PFI-1024N-3D1DS-L2		140,000	35,430	23,477	9,798			17'-1"	4'-1"					108	
PFI-1024N-3D4DS-L2		127,576	39,240	26,177	11,148			17'-1"	4'-1"					142	
PFI-1024N-4D1DS-J2		107,720	39,180	26,141	11,128			17'-9"	4'-9"					141	
PFI-1024N-4D1DS-M2		146,826	39,580	26,541	11,328			17'-9"	4'-9"					141	
PFI-1024N-5D2DS-M2		135,922	45,530	30,825	13,468			18'-4"	5'-4"					191	
PFI-1024N-5D2DS-N2		145,582	45,590	30,885	13,498			18'-4"	5'-4"					191	
PFI-1024N-2D4ES-K2		115,468	35,370	23,691	9,903			17'-9"	4'-9"					100	
PFI-1024N-3D2ES-L2		131,114	38,140	25,785	10,948			18'-4"	5'-4"					121	
PFI-1024N-3D2ES-M2		143,750	38,260	25,905	11,008			18'-4"	5'-4"					121	
PFI-1024N-4D1ES-J2		103,802	40,690	27,589	11,848			19'-0"	6'-0"					143	
PFI-1024N-4D3ES-L2		122,198	44,520	30,389	13,248			19'-0"	6'-0"					174	
PFI-1024N-4D1ES-M2		141,986	41,090	27,989	12,048			19'-0"	6'-0"					143	
PFI-1024N-4D3ES-N2		143,314	44,700	30,569	13,338			19'-0"	6'-0"					174	
PFI-1024N-6D1ES-M2		132,806	49,080	33,796	14,948			20'-2"	7'-2"					209	
PFI-2012N-2D2DS-J2	(2) 3	114,928	32,350	21,257	8,688	12'-0"	20'-1"	17'-1"	4'-1"	1'-8"	1 1/2"	4"	340	83	6"
PFI-2012N-3D2DS-K2		119,544	36,360	24,067	10,093			17'-1"	4'-1"					119	
PFI-2012N-3D1DS-L2		140,000	35,430	23,477	9,798			17'-1"	4'-1"					108	
PFI-2012N-3D4DS-L2		127,576	39,240	26,177	11,148			17'-1"	4'-1"					142	
PFI-2012N-4D1DS-J2		107,720	39,180	26,141	11,128			17'-9"	4'-9"					141	
PFI-2012N-4D1DS-M2		146,826	39,580	26,541	11,328			17'-9"	4'-9"					141	
PFI-2012N-5D2DS-M2		135,922	45,530	30,825	13,468			18'-4"	5'-4"					191	
PFI-2012N-5D2DS-N2		145,582	45,590	30,885	13,498			18'-4"	5'-4"					191	
PFI-2012N-2D4ES-K2		115,468	35,370	23,691	9,903			17'-9"	4'-9"					100	
PFI-2012N-3D2ES-L2		131,114	38,140	25,785	10,948			18'-4"	5'-4"					121	
PFI-2012N-3D2ES-M2		143,750	38,260	25,905	11,008			18'-4"	5'-4"					121	
PFI-2012N-4D1ES-J2		103,802	40,690	27,589	11,848			19'-0"	6'-0"					143	
PFI-2012N-4D3ES-L2		122,198	44,520	30,389	13,248			19'-0"	6'-0"					174	
PFI-2012N-4D1ES-M2		141,986	41,090	27,989	12,048			19'-0"	6'-0"					143	
PFI-2012N-4D3ES-N2		143,314	44,700	30,569	13,338			19'-0"	6'-0"					174	
PFI-2012N-6D1ES-M2		132,806	49,080	33,796	14,948			20'-2"	7'-2"					209	



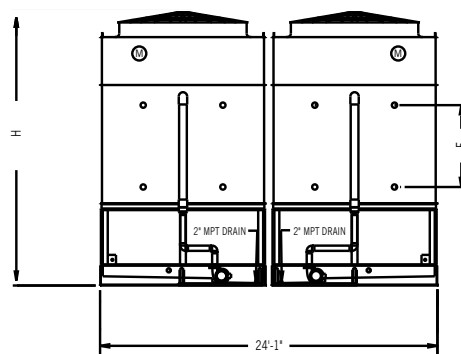
Face A:
PFI-1212 and PF2-1224 Units



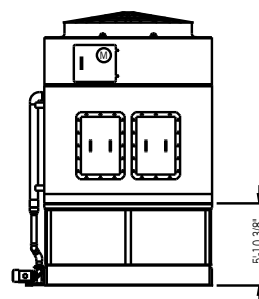
Face D:
PFI-1212 Units



Face D:
PFI-1224 Units



Face A:
PFI-2412 Units



Face D:
PFI-2412 Units



NOTES:

1. Nominal tons of cooling represents 3 USGPM of water cooled from 95°F to 85°F at a 78°F entering wet-bulb temperature.
2. CFM listed is for the highest fan motor HP and vary with the fan HP.
3. Operating weight is for the unit with the water level in the cold water basin at the overflow.
4. The actual size of the coil inlet and outlet connection may vary with the design flow rate. Consult unit print for dimensions.
5. Coil inlet and outlet connections are beveled for welding.
6. Models with Whisper Quiet Fans may have heights up to 5 1/2" greater than shown.
7. Standard make-up, drain and overflow connections are located near the bottom of the unit. Make-up connection is 1 1/2" MPT standpipe, drain is 2" FPT, and overflow is 3" FPT. Standard make-up, drain, and overflow connections are MPT.

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.

PFi Engineering Data

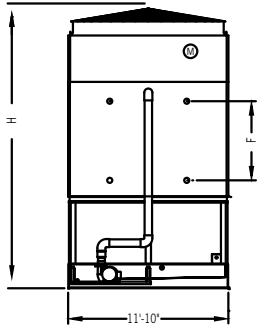
Model Number	Pump Motor HP	CFM ⁽²⁾	Approximate Weight (lbs)			Dimensions					Connection Size ^(4,7)		Spray Pump (USGPM)	Internal Coil Volume (gal)	Riser Pipe Dia.
			Operating Weight ⁽³⁾	Shipping Weight	Heaviest Section	L	W	H	F	P	Make-Up Water	Coil			
PFI-1212N-3D1DS-M1	5	89,312	20,960	13,991	11,495	12'-0"	11'-10"	16'-10"	4'-1"	2'-3"	1 1/2"	4"	410	133	6"
PFI-1212N-3D1DS-N1		96,010	20,990	14,021	11,525			16'-10"	4'-1"					133	
PFI-1212N-3D2DS-N1		92,736	21,730	14,541	12,045			16'-10"	4'-1"					146	
PFI-1212N-3D2DS-O1		98,179	21,780	14,591	12,095			16'-10"	4'-1"					146	
PFI-1212N-3D1DS-P1		111,413	21,200	14,231	11,735			16'-10"	4'-1"					133	
PFI-1212N-5D1DS-O1		92,991	25,940	17,625	15,125			18'-1"	5'-4"					214	
PFI-1212N-4D3DS-P1		96,998	25,590	17,373	14,875			17'-6"	4'-9"					208	
PFI-1212N-2D4ES-M1		83,516	21,050	14,243	11,745			17'-6"	4'-9"					123	
PFI-1212N-2D4ES-N1		89,580	21,080	14,273	11,775			17'-6"	4'-9"					123	
PFI-1212N-2D4ES-O1		95,034	21,130	14,323	11,825			17'-6"	4'-9"					123	
PFI-1212N-3D3ES-N1		86,012	23,370	15,925	13,425			18'-1"	5'-4"					161	
PFI-1212N-3D4ES-O1		88,852	24,320	16,615	14,115			18'-1"	5'-4"					177	
PFI-1212N-3D4ES-P1		97,174	24,480	16,775	14,275			18'-1"	5'-4"					177	
PFI-1212N-4D2ES-P1		98,942	25,490	17,527	15,025			18'-9"	6'-0"					193	
PFI-1212N-5D4ES-P1		87,447	30,820	21,329	18,825			19'-3"	6'-6"					285	
PFI-1212N-6D1ES-P1		95,478	29,370	20,350	17,845			19'-11"	7'-2"					256	
PFI-1224N-3D1DS-M2	(2) 5	178,624	42,160	28,216	11,495	24'-3"	11'-10"	17'-10"	4'-1"	2'-3"	1 1/2"	4"	410	133	6"
PFI-1224N-3D1DS-N2		192,020	42,220	28,276	11,525			17'-10"	4'-1"					133	
PFI-1224N-3D2DS-N2		185,472	43,690	29,316	12,045			17'-10"	4'-1"					146	
PFI-1224N-3D2DS-O2		196,358	43,790	29,416	12,095			17'-10"	4'-1"					146	
PFI-1224N-3D1DS-P2		222,826	42,640	28,696	11,735			17'-10"	4'-1"					133	
PFI-1224N-5D1DS-O2		185,982	52,110	35,483	15,125			19'-1"	5'-4"					214	
PFI-1224N-4D3DS-P2		193,996	51,400	34,980	14,875			18'-6"	4'-9"					208	
PFI-1224N-2D4ES-M2		167,032	42,330	28,720	11,745			18'-6"	4'-9"					123	
PFI-1224N-2D4ES-N2		179,160	42,390	28,780	11,775			18'-6"	4'-9"					123	
PFI-1224N-2D4ES-O2		190,068	42,490	28,880	11,825			18'-6"	4'-9"					123	
PFI-1224N-3D3ES-N2		172,024	46,970	32,083	13,425			19'-1"	5'-4"					161	
PFI-1224N-3D4ES-O2		177,704	48,870	33,463	14,115			19'-1"	5'-4"					177	
PFI-1224N-3D4ES-P2		194,348	49,190	33,783	14,275			19'-1"	5'-4"					177	
PFI-1224N-4D2ES-P2		197,884	51,220	35,287	15,025			19'-9"	6'-0"					193	
PFI-1224N-5D4ES-P2		174,894	61,880	42,891	18,825			20'-3"	6'-6"					285	
PFI-1224N-6D1ES-P2		190,956	58,980	40,935	17,845			20'-11"	7'-2"					256	
PFI-2412N-3D1DS-M2	(2) 5	178,624	42,160	28,216	11,495	12'-0"	24'-1"	17'-10"	4'-1"	2'-3"	1 1/2"	4"	410	133	6"
PFI-2412N-3D1DS-N2		192,020	42,220	28,276	11,525			17'-10"	4'-1"					133	
PFI-2412N-3D2DS-N2		185,472	43,690	29,316	12,045			17'-10"	4'-1"					146	
PFI-2412N-3D2DS-O2		196,358	43,790	29,416	12,095			17'-10"	4'-1"					146	
PFI-2412N-3D1DS-P2		222,826	42,640	28,696	11,735			17'-10"	4'-1"					133	
PFI-2412N-4D3DS-P2		193,996	51,400	34,980	14,875			18'-6"	4'-9"					208	
PFI-2412N-5D1DS-O2		185,982	52,110	35,483	15,125			19'-1"	5'-4"					214	
PFI-2412N-2D4ES-M2		167,032	42,330	28,720	11,745			18'-6"	4'-9"					123	
PFI-2412N-2D4ES-N2		179,160	42,390	28,780	11,775			18'-6"	4'-9"					123	
PFI-2412N-2D4ES-O2		190,068	42,490	28,880	11,825			18'-6"	4'-9"					123	
PFI-2412N-3D3ES-N2		172,024	46,970	32,083	13,425			19'-1"	5'-4"					161	
PFI-2412N-3D4ES-O2		177,704	48,870	33,463	14,115			19'-1"	5'-4"					177	
PFI-2412N-3D4ES-P2		194,348	49,190	33,783	14,275			19'-1"	5'-4"					177	
PFI-2412N-4D2ES-P2		197,884	51,220	35,287	15,025			19'-9"	6'-0"					193	
PFI-2412N-5D4ES-P2		174,894	61,880	42,891	18,825			20'-3"	6'-6"					285	
PFI-2412N-6D1ES-P2		190,956	58,980	40,935	17,845			20'-11"	7'-2"					256	



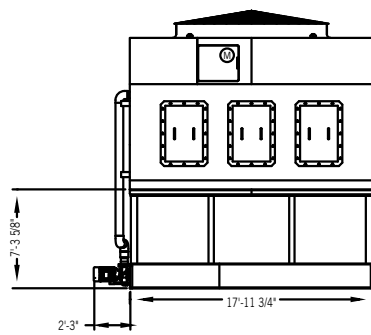
X Models

Model Number	Pump Motor HP	CFM ⁽²⁾	Approximate Weight (lbs)			Dimensions					Connection Size ^(4,7)		Spray Pump (USGPM)	Internal Coil Volume (gal)	Riser Pipe Dia.
			Operating Weight ⁽³⁾	Shipping Weight	Heaviest Section	L	W	H	F	P	Make-Up Water	Coil			
PFI-1212N-2D4DS-K1	5	69,622	20,180	13,416	10,920	12'-0"	11'-10"	16'-10"	4'-1"	2'-3"	1 1/2"	4"	410	121	6"
PFI-1212N-3D2DS-K1		69,418	21,510	14,326	11,830			16'-10"	4'-1"					146	
PFI-1212N-3D2DS-L1		78,929	21,640	14,451	11,955			16'-10"	4'-1"					146	
PFI-1212N-3D4DS-L1		73,778	23,250	15,591	13,095			16'-10"	4'-1"					174	
PFI-1212N-4D2DS-M1		82,155	24,380	16,453	13,955			17'-6"	4'-9"					191	
PFI-1212N-4D2DS-N1		88,051	24,410	16,483	13,985			17'-6"	4'-9"					191	
PFI-1212N-6D1DS-M1		79,155	28,300	19,317	16,815			18'-9"	6'-0"					254	
PFI-1212N-5D4DS-O1		81,699	29,770	20,325	17,825			18'-1"	4'-4"					282	
PFI-1212N-3D2ES-L1		76,019	22,520	15,295	12,795			18'-1"	4'-4"					148	
PFI-1212N-3D2ES-M1		83,334	22,580	15,355	12,855			18'-1"	4'-4"					148	
PFI-1212N-3D4ES-M1		78,284	24,240	16,535	14,035			18'-1"	4'-4"					177	
PFI-1212N-4D3ES-M1		76,240	26,240	17,987	15,485			18'-9"	6'-0"					210	
PFI-1212N-4D4ES-N1		79,439	27,460	18,857	16,355			18'-9"	6'-0"					231	
PFI-1212N-5D2ES-N1		81,995	27,940	19,229	16,725			19'-3"	6'-6"					238	
PFI-1212N-5D4ES-O1		80,117	30,660	21,169	18,665			19'-3"	6'-6"					285	
PFI-1212N-6D1ES-O1		87,338	29,210	20,190	17,685			19'-11"	7'-2"					256	
PFI-1224N-2D4DS-K2	(2) 5	139,244	40,590	27,066	10,920	24'-3"	11'-10"	17'-10"	4'-1"	2'-3"	1 1/2"	4"	410	121	6"
PFI-1224N-3D2DS-K2		138,836	43,260	28,886	11,830			17'-10"	4'-1"					146	
PFI-1224N-3D2DS-L2		157,858	43,510	29,136	11,955			17'-10"	4'-1"					146	
PFI-1224N-3D4DS-L2		147,556	46,730	31,416	13,095			17'-10"	4'-1"					174	
PFI-1224N-4D2DS-M2		164,310	49,000	33,140	13,955			18'-6"	4'-9"					191	
PFI-1224N-4D2DS-N2		176,102	49,060	33,200	13,985			18'-6"	4'-9"					191	
PFI-1224N-5D4DS-O2		163,398	59,780	40,883	17,825			19'-1"	4'-4"					282	
PFI-1224N-6D1DS-M2		158,310	56,840	38,867	16,815			19'-9"	6'-0"					254	
PFI-1224N-3D2ES-L2		152,038	45,270	30,823	12,795			19'-1"	4'-4"					148	
PFI-1224N-3D2ES-M2		166,668	45,390	30,943	12,855			19'-1"	4'-4"					148	
PFI-1224N-3D4ES-M2		156,568	48,710	33,303	14,035			19'-1"	4'-4"					177	
PFI-1224N-4D3ES-M2		152,480	52,710	36,207	15,485			19'-9"	6'-0"					210	
PFI-1224N-4D4ES-N2		158,878	55,150	37,947	16,355			19'-9"	6'-0"					231	
PFI-1224N-5D2ES-N2		163,990	56,110	38,691	16,725			20'-3"	6'-6"					238	
PFI-1224N-5D4ES-O2		160,234	61,560	42,571	18,665			20'-3"	6'-6"					285	
PFI-1224N-6D1ES-O2		174,676	58,660	40,615	17,685			20'-11"	7'-2"					256	
PFI-2412N-2D4DS-K2	(2) 5	139,244	40,590	27,066	10,920	12'-0"	24'-1"	17'-10"	4'-1"	2'-3"	1 1/2"	4"	410	121	6"
PFI-2412N-3D2DS-K2		138,836	43,260	28,886	11,830			12'-0"	17'-10"					146	
PFI-2412N-3D2DS-L2		157,858	43,510	29,136	11,955			12'-0"	17'-10"					146	
PFI-2412N-3D4DS-L2		147,556	46,730	31,416	13,095			12'-0"	17'-10"					174	
PFI-2412N-4D2DS-M2		164,310	49,000	33,140	13,955			12'-0"	18'-6"					191	
PFI-2412N-4D2DS-N2		176,102	49,060	33,200	13,985			12'-0"	18'-6"					191	
PFI-2412N-6D1DS-M2		158,310	56,840	38,867	16,815			12'-0"	19'-9"					254	
PFI-2412N-3D2ES-L2		152,038	45,270	30,823	12,795			12'-0"	19'-1"					148	
PFI-2412N-3D2ES-M2		166,668	45,390	30,943	12,855			12'-0"	19'-1"					148	
PFI-2412N-3D4ES-M2		156,568	48,710	33,303	14,035			12'-0"	19'-1"					177	
PFI-2412N-4D3ES-M2		152,480	52,710	36,207	15,485			12'-0"	19'-9"					210	
PFI-2412N-4D4ES-N2		158,878	55,150	37,947	16,355			12'-0"	19'-9"					231	
PFI-2412N-5D4DS-O2		163,398	59,780	40,883	17,825			12'-0"	19'-1"					282	
PFI-2412N-5D2ES-N2		163,990	56,110	38,691	16,725			12'-0"	20'-3"					238	
PFI-2412N-5D4ES-O2		160,234	61,560	42,571	18,665			12'-0"	20'-3"					285	
PFI-2412N-6D1ES-O2		174,676	58,660	40,615	17,685			12'-0"	20'-11"					256	

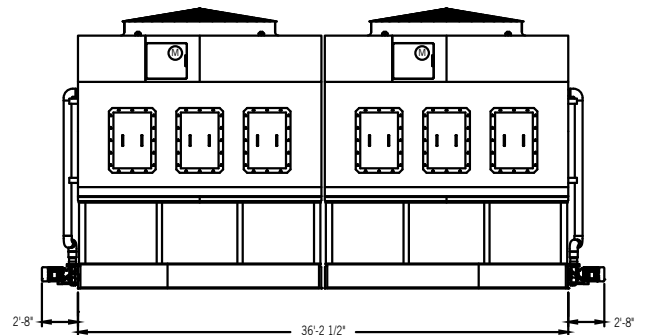
PFi Engineering Data



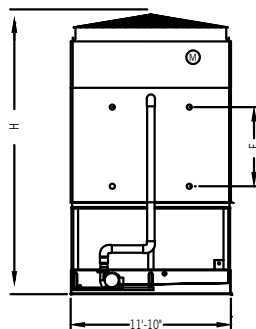
Face A:
PFI-1218 and PFI-1236 Units



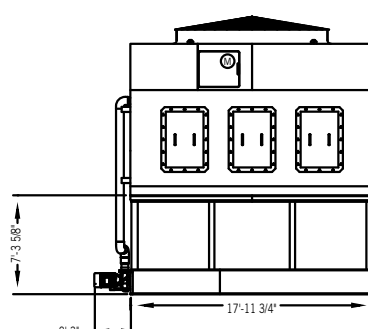
Face D:
PFI-1218 Units



Face D:
PFI-1236 Units



Face A:
PFI-2418 Units



Face D:
PFI-2418 Units



NOTES:

1. Nominal tons of cooling represents 3 USGPM of water cooled from 95°F to 85°F at a 78°F entering wet-bulb temperature.
2. CFM listed is for the highest fan motor HP and vary with the fan HP.
3. Operating weight is for the unit with the water level in the cold water basin at the overflow.
4. The actual size of the coil inlet and outlet connection may vary with the design flow rate. Consult unit print for dimensions.
5. Coil inlet and outlet connections are beveled for welding.
6. Models with Whisper Quiet Fans may have heights up to 5 1/2" greater than shown.
7. Standard make-up, drain and overflow connections are located near the bottom of the unit. Make-up connection is 1 1/2" MPT standpipe, drain is 2" FPT, and overflow is 3" FPT. Standard make-up, drain, and overflow connections are MPT.

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.



Model Number	Pump Motor HP	CFM ⁽²⁾	Approximate Weight (lbs)			Dimensions					Connection Size ^(4,7)		Spray Pump (USGPM)	Internal Coil Volume (gal)	Riser Pipe Dia.
			Operating Weight ⁽³⁾	Shipping Weight	Heaviest Section	L	W	H	F	P	Make-Up Water	Coil			
PFI-1218N-2D2DS-01	5	137,938	29,280	19,082	15,043	18'-0"	11'-10"	18'-0"	4'-1"	2'-3"	1 1/2"	4"	610	147	6"
PFI-1218N-2D4DS-P1		143,143	31,110	20,442	16,403			18'-0"	4'-1"					176	
PFI-1218N-2D4ES-P1		138,021	32,010	21,293	17,253			18'-7"	4'-9"					178	
PFI-1218N-3D2DS-P1		142,506	33,120	21,802	17,763			17'-8"	4'-1"					215	
PFI-1218N-3D2DS-Q1		152,884	33,140	21,827	17,788			17'-8"	4'-1"					215	
PFI-1218N-3D3DS-Q1		146,471	34,240	22,607	18,568			17'-8"	4'-1"					234	
PFI-1218N-3D4DS-Q1		142,633	35,570	23,547	19,508			17'-8"	4'-1"					257	
PFI-1218N-3D1ES-R1		161,468	33,360	22,335	18,293			18'-11"	5'-4"					197	
PFI-1218N-3D2ES-R1		156,524	34,500	23,145	19,103			18'-11"	5'-4"					217	
PFI-1218N-3D4ES-R1		146,826	36,990	24,925	20,883			18'-11"	5'-4"					260	
PFI-1218N-4D2ES-Q1		140,940	38,310	25,832	21,788			19'-6"	6'-0"					284	
PFI-1218N-4D2ES-R1		149,241	38,510	26,037	21,993			19'-6"	6'-0"					284	
PFI-1218N-4D4ES-R1		138,782	41,780	28,357	24,313			19'-6"	6'-0"					341	
PFI-1218N-6D3ES-R1		130,998	48,580	33,221	29,173			20'-8"	7'-2"					458	
PFI-1218N-6D1ES-R1		143,981	44,210	30,131	26,083			20'-8"	7'-2"					381	
PFI-1236N-2D2DS-Q2	(2) 5	275,876	58,840	38,451	15,043	36'-3"	11'-10"	18'-8"	4'-1"	2'-3"	1 1/2"	4"	610	147	6"
PFI-1236N-2D4DS-P2		286,286	62,510	41,171	16,403			18'-8"	4'-1"					176	
PFI-1236N-2D4ES-P2		276,042	64,300	42,875	17,253			19'-3"	4'-9"					178	
PFI-1236N-3D1ES-R2		322,936	67,010	44,959	18,293			19'-11"	5'-4"					197	
PFI-1236N-3D2DS-P2		285,012	66,520	43,891	17,763			18'-8"	4'-1"					215	
PFI-1236N-3D2DS-Q2		305,768	66,570	43,941	17,788			18'-8"	4'-1"					215	
PFI-1236N-3D2ES-R2		313,048	69,290	46,579	19,103			19'-11"	5'-4"					217	
PFI-1236N-3D3DS-Q2		292,942	68,780	45,501	18,568			18'-8"	4'-1"					234	
PFI-1236N-3D4DS-Q2		285,266	71,430	47,381	19,508			18'-8"	4'-1"					257	
PFI-1236N-3D4ES-R2		293,652	74,280	50,139	20,883			19'-11"	5'-4"					260	
PFI-1236N-4D2ES-Q2		281,880	76,900	51,953	21,788			20'-6"	6'-0"					284	
PFI-1236N-4D2ES-R2		298,482	77,310	52,363	21,993			20'-6"	6'-0"					284	
PFI-1236N-4D4ES-R2		277,564	83,850	57,003	24,313			20'-6"	6'-0"					341	
PFI-1236N-6D1ES-R2		287,962	88,700	60,550	26,083			21'-8"	7'-2"					381	
PFI-1236N-6D3ES-R2		261,996	97,460	66,730	29,173			21'-8"	7'-2"					458	
PFI-2418N-2D2DS-Q2	(2) 5	275,876	58,980	38,595	15,043	18'-0"	24'-1"	19'-2"	4'-1"	2'-3"	1 1/2"	4"	610	147	6"
PFI-2418N-2D4DS-P2		286,286	62,650	41,315	16,403			19'-2"	4'-1"					176	
PFI-2418N-2D4ES-P2		276,042	64,450	43,019	17,253			19'-9"	4'-9"					178	
PFI-2418N-3D1ES-R2		322,936	67,160	45,103	18,293			20'-5"	5'-4"					197	
PFI-2418N-3D2DS-P2		285,012	66,670	44,035	17,763			19'-2"	4'-1"					215	
PFI-2418N-3D2DS-Q2		305,768	66,720	44,085	17,788			19'-2"	4'-1"					215	
PFI-2418N-3D2ES-R2		313,048	69,430	46,723	19,103			20'-5"	5'-4"					217	
PFI-2418N-3D3DS-Q2		292,942	68,920	45,645	18,568			19'-2"	4'-1"					234	
PFI-2418N-3D4DS-Q2		285,266	71,570	47,525	19,508			19'-2"	4'-1"					257	
PFI-2418N-3D4ES-R2		293,652	74,420	50,283	20,883			20'-5"	5'-4"					260	
PFI-2418N-4D2ES-Q2		281,880	77,050	52,097	21,788			21'-0"	6'-0"					284	
PFI-2418N-4D2ES-R2		298,482	77,460	52,507	21,993			21'-0"	6'-0"					284	
PFI-2418N-4D4ES-R2		277,564	84,000	57,147	24,313			21'-0"	6'-0"					341	
PFI-2418N-6D1ES-R2		287,962	88,850	60,694	26,083			22'-2"	7'-2"					381	
PFI-2418N-6D3ES-R2		261,996	97,600	66,874	29,173			22'-2"	7'-2"					458	

PFi Engineering Data

XE Models

Model Number	Pump Motor HP	CFM ⁽²⁾	Approximate Weight (lbs)			Dimensions					Connection Size ^(4,7)		Spray Pump (USGPM)	Internal Coil Volume (gal)	Riser Pipe Dia.
			Operating Weight ⁽³⁾	Shipping Weight	Heaviest Section	L	W	H	F	P	Make-Up Water	Coil			
PFI-1218N-2D1DS-N1	5	133,547	28,460	18,482	14,443	18'-0"	11'-10"	18'-0"	4'-1"	2'-3"	11/2"	4"	610	134	6"
PFI-1218N-2D2DS-N1		130,083	29,230	19,032	14,993			18'-0"	4'-1"					147	
PFI-1218N-2D2ES-M1		115,705	30,040	19,813	15,773			18'-7"	4'-9"					149	
PFI-1218N-2D3DS-K1		93,769	29,780	19,367	15,328			18'-0"	4'-1"					160	
PFI-1218N-2D4ES-K1		88,365	31,580	20,868	16,828			18'-7"	4'-9"					178	
PFI-1218N-2D4ES-M1		110,590	31,770	21,053	17,013			18'-7"	4'-9"					178	
PFI-1218N-2D4ES-N1		118,788	31,800	21,083	17,043			18'-7"	4'-9"					178	
PFI-1218N-3D1DS-L1		107,718	31,720	20,722	16,683			18'-0"	4'-1"					195	
PFI-1218N-3D1DS-O1		134,444	31,860	20,862	16,823			17'-8"	4'-1"					195	
PFI-1218N-3D2DS-M1		114,411	32,880	21,562	17,523			18'-0"	4'-1"					215	
PFI-1218N-3D2ES-P1		137,532	34,270	22,915	18,873			18'-11"	5'-4"					217	
PFI-1218N-3D3DS-L1		100,389	33,920	22,282	18,243			18'-0"	4'-1"					234	
PFI-1218N-3D3ES-O1		120,783	35,240	23,565	19,523			18'-11"	5'-4"					236	
PFI-1218N-3D4DS-M1		107,218	35,310	23,282	19,243			17'-8"	4'-1"					257	
PFI-1218N-3D4DS-N1		114,911	35,340	23,312	19,273			17'-8"	4'-1"					257	
PFI-1218N-3D4DS-P1		133,097	35,550	23,522	19,483			17'-8"	4'-1"					257	
PFI-1218N-3D4ES-M1		103,991	36,520	24,455	20,413			18'-11"	5'-4"					260	
PFI-1218N-4D1ES-O1		124,147	36,630	24,587	20,543			19'-6"	6'-0"					258	
PFI-1218N-4D3DS-P1		129,200	38,560	25,693	21,653			18'-3"	4'-9"					308	
PFI-1218N-4D3ES-P1		125,770	39,760	26,857	22,813			19'-6"	6'-0"					310	
PFI-1218N-4D3ES-Q1		134,824	39,790	26,882	22,838			19'-6"	6'-0"					310	
PFI-1218N-4D4DS-M1		101,265	40,060	26,683	22,643			18'-3"	4'-9"					339	
PFI-1218N-4D4DS-O1		114,794	40,140	26,763	22,723			18'-3"	4'-9"					339	
PFI-1218N-4D4DS-P1		125,409	40,300	26,923	22,883			18'-3"	4'-9"					339	
PFI-1218N-4D4ES-Q1		131,183	41,580	28,152	24,108			19'-6"	6'-0"					341	
PFI-1218N-5D2ES-Q1		135,249	42,210	28,614	24,568			20'-1"	6'-6"					352	
PFI-1236N-2D1DS-N2	(2) 5	267,094	57,210	37,251	14,443	36'-3"	11'-10"	18'-8"	4'-1"	2'-3"	11/2"	4"	610	134	6"
PFI-1236N-2D2DS-N2		260,166	58,740	38,351	14,993			18'-8"	4'-1"					147	
PFI-1236N-2D2ES-M2		231,410	60,380	39,915	15,773			19'-3"	4'-9"					149	
PFI-1236N-2D3DS-K2		187,538	59,840	39,021	15,328			18'-8"	4'-1"					160	
PFI-1236N-2D4ES-K2		176,730	63,450	42,025	16,828			19'-3"	4'-9"					178	
PFI-1236N-2D4ES-M2		221,180	63,820	42,395	17,013			19'-3"	4'-9"					178	
PFI-1236N-2D4ES-N2		237,576	63,880	42,455	17,043			19'-3"	4'-9"					178	
PFI-1236N-3D1DS-L2		215,436	63,720	41,731	16,683			18'-8"	4'-1"					195	
PFI-1236N-3D1DS-O2		268,888	64,000	42,011	16,823			18'-8"	4'-1"					195	
PFI-1236N-3D2DS-M2		228,822	66,040	43,411	17,523			18'-8"	4'-1"					215	
PFI-1236N-3D2ES-P2		275,064	68,830	46,119	18,873			19'-11"	5'-4"					217	
PFI-1236N-3D3DS-L2		200,778	68,130	44,851	18,243			18'-8"	4'-1"					234	
PFI-1236N-3D3ES-O2		241,566	70,780	47,419	19,523			19'-11"	5'-4"					236	
PFI-1236N-3D4DS-M2		214,436	70,900	46,851	19,243			18'-8"	4'-1"					257	
PFI-1236N-3D4DS-N2		229,822	70,960	46,911	19,273			18'-8"	4'-1"					257	
PFI-1236N-3D4DS-P2		266,194	71,380	47,331	19,483			18'-8"	4'-1"					257	
PFI-1236N-3D4ES-M2		207,982	73,340	49,199	20,413			19'-11"	5'-4"					260	
PFI-1236N-4D1ES-O2		248,294	73,550	49,463	20,543			20'-6"	6'-0"					258	
PFI-1236N-4D3DS-P2		258,400	77,410	51,675	21,653			19'-3"	4'-9"					308	



XE Models

Model Number	Pump Motor HP	CFM ⁽²⁾	Approximate Weight (lbs)			Dimensions					Connection Size ^(4,7)		Spray Pump (USGPM)	Internal Coil Volume (gal)	Riser Pipe Dia.
			Operating Weight ⁽³⁾	Shipping Weight	Heaviest Section	L	W	H	F	P	Make-Up Water	Coil			
PFI-1236N-4D3ES-P2	(2) 5	251,540	79,820	54,003	22,813	36'-3"	11'-10"	20'-6"	6'-0"	2'-3"	11/2"	4"	610	310	6"
PFI-1236N-4D3ES-Q2		269,648	79,870	54,053	22,838			20'-6"	6'-0"					310	
PFI-1236N-4D4DS-M2		202,530	80,410	53,655	22,643			19'-3"	4'-9"					339	
PFI-1236N-4D4DS-Q2		229,588	80,570	53,815	22,723			19'-3"	4'-9"					339	
PFI-1236N-4D4DS-P2		250,818	80,890	54,135	22,883			19'-3"	4'-9"					339	
PFI-1236N-4D4ES-Q2		262,366	83,440	56,593	24,108			20'-6"	6'-0"					341	
PFI-1236N-5D2ES-Q2		270,498	84,710	57,516	24,568			21'-1"	6'-6"					352	
PFI-2418N-2D1DS-N2	(2) 5	267,094	57,350	37,395	14,443	18'-0"	24'-1"	19'-2"	4'-1"	2'-3"	1 1/2"	4"	610	134	6"
PFI-2418N-2D2DS-N2		260,166	58,880	38,495	14,993			19'-2"	4'-1"					147	
PFI-2418N-2D2ES-M2		231,410	60,520	40,059	15,773			19'-9"	4'-9"					149	
PFI-2418N-2D3DS-K2		187,538	59,980	39,165	15,328			19'-2"	4'-1"					160	
PFI-2418N-2D4ES-K2		176,730	63,600	42,169	16,828			19'-9"	4'-9"					178	
PFI-2418N-2D4ES-M2		221,180	63,970	42,539	17,013			19'-9"	4'-9"					178	
PFI-2418N-2D4ES-N2		237,576	64,030	42,599	17,043			19'-9"	4'-9"					178	
PFI-2418N-3D1DS-L2		215,436	63,860	41,875	16,683			19'-2"	4'-1"					195	
PFI-2418N-3D1DS-Q2		268,888	64,140	42,155	16,823			19'-2"	4'-1"					195	
PFI-2418N-3D2DS-M2		228,822	66,190	43,555	17,523			19'-2"	4'-1"					215	
PFI-2418N-3D2ES-P2		275,064	68,970	46,263	18,873			20'-5"	5'-4"					217	
PFI-2418N-3D3DS-L2		200,778	68,270	44,995	18,243			19'-2"	4'-1"					234	
PFI-2418N-3D3ES-Q2		241,566	70,920	47,563	19,523			20'-5"	5'-4"					236	
PFI-2418N-3D4DS-M2		214,436	71,040	46,995	19,243			19'-2"	4'-1"					257	
PFI-2418N-3D4DS-N2		229,822	71,100	47,055	19,273			19'-2"	4'-1"					257	
PFI-2418N-3D4DS-P2		266,194	71,520	47,475	19,483			19'-2"	4'-1"					257	
PFI-2418N-3D4ES-M2		207,982	73,480	49,343	20,413			20'-5"	5'-4"					260	
PFI-2418N-4D1ES-Q2		248,294	73,690	49,607	20,543			21'-0"	6'-0"					258	
PFI-2418N-4D3DS-P2		258,400	77,550	51,819	21,653			19'-9"	4'-9"					308	
PFI-2418N-4D3ES-P2		251,540	79,960	54,147	22,813			21'-0"	6'-0"					310	
PFI-2418N-4D3ES-Q2		269,648	80,010	54,197	22,838			21'-0"	6'-0"					310	
PFI-2418N-4D4DS-M2		202,530	80,560	53,799	22,643			19'-9"	4'-9"					339	
PFI-2418N-4D4DS-Q2		229,588	80,720	53,959	22,723			19'-9"	4'-9"					339	
PFI-2418N-4D4DS-P2		250,818	81,040	54,279	22,883			19'-9"	4'-9"					339	
PFI-2418N-4D4ES-Q2		262,366	83,590	56,737	24,108			21'-0"	6'-0"					341	
PFI-2418N-5D2ES-Q2		270,498	84,850	57,660	24,568			21'-7"	6'-6"					352	



NOTE: For notes on pages C99 and C100, see page C97.

PFi Engineering Data

PFI HEAT LOSS DATA (BTUH)

Model Number	Standard Unit ⁽¹⁾	Unit with PCD Hood ⁽²⁾	Unit with PCD Hood and Insulation	Model Number	Standard Unit ⁽¹⁾	Unit with PCD Hood ⁽²⁾	Unit with PCD Hood and Insulation	Model Number	Standard Unit ⁽¹⁾	Unit with PCD Hood ⁽²⁾	Unit with PCD Hood and Insulation
PFI-0406N-3D1DZ-G1	106,257	67,291	38,639	PFI-1212N-2D4ES-M1	462,593	221,417	149,460	PFI-1224N-2D4ES-O2	925,186	442,834	298,919
PFI-0406N-3D3EZ-H1	125,931	74,510	42,218	PFI-1212N-2D4ES-N1	462,593	221,417	149,460	PFI-1224N-3D1DS-M2	953,412	423,262	288,818
PFI-0406N-4D1EZ-H1	133,040	78,191	44,049	PFI-1212N-2D4ES-O1	462,593	221,417	149,460	PFI-1224N-3D1DS-N2	953,412	423,262	288,818
PFI-0406N-5D4DZ-J1	166,256	72,991	41,357	PFI-1212N-3D1DS-M1	476,706	211,631	144,409	PFI-1224N-3D2DS-N2	1,011,416	421,044	287,304
PFI-0406N-6D2DZ-J1	169,028	76,763	43,245	PFI-1212N-3D1DS-N1	476,706	211,631	144,409	PFI-1224N-3D2DS-O2	1,011,416	421,044	287,304
PFI-0412N-2D4DZ-G2	180,558	110,696	68,042	PFI-1212N-3D2DS-N1	505,708	210,522	143,652	PFI-1224N-3D1DS-P2	953,412	423,262	288,818
PFI-0412N-3D2DZ-H2	199,350	109,760	67,467	PFI-1212N-3D2DS-O1	505,708	210,522	143,652	PFI-1224N-3D3ES-N2	1,112,658	453,586	303,102
PFI-0412N-4D1DZ-H2	221,573	114,891	69,938	PFI-1212N-3D1DS-P1	476,706	211,631	144,409	PFI-1224N-3D4ES-O2	1,180,441	450,767	301,219
PFI-0412N-4D3EZ-H2	259,917	125,223	74,949	PFI-1212N-3D3ES-N1	556,329	226,793	151,551	PFI-1224N-3D4ES-P2	1,180,441	450,767	301,219
PFI-0412N-4D2EZ-J2	249,078	125,856	75,328	PFI-1212N-3D4ES-O1	590,220	225,383	150,609	PFI-1224N-5D1DS-O2	1,333,756	444,390	296,958
PFI-0412N-5D1EZ-J2	265,813	130,256	77,459	PFI-1212N-3D4ES-P1	590,220	225,383	150,609	PFI-1224N-4D3DS-P2	1,292,039	428,190	289,034
PFI-0412N-6D1EZ-J2	296,725	134,518	79,444	PFI-1212N-5D1DS-O1	666,878	222,195	148,479	PFI-1224N-4D2ES-P2	1,263,570	465,348	308,043
PFI-0709N-3D4DS-K1	275,939	133,903	85,728	PFI-1212N-4D3DS-P1	646,019	214,095	144,517	PFI-1224N-5D4ES-P2	1,638,627	464,251	304,963
PFI-0709N-3D2ES-L1	264,521	147,057	92,429	PFI-1212N-4D2ES-P1	631,785	232,674	154,021	PFI-1224N-6D1ES-P2	1,547,682	485,981	316,580
PFI-0709N-3D3ES-M1	277,869	146,495	92,076	PFI-1212N-5D4ES-P1	819,314	232,126	152,482	PFI-2012N-2D2ES-L2	711,283	397,949	253,145
PFI-0709N-4D2DS-M1	298,871	139,305	88,336	PFI-1212N-6D1ES-P1	773,841	242,991	158,290	PFI-2012N-2D4ES-N2	786,588	395,150	251,365
PFI-0709N-5D2DS-M1	345,586	143,643	90,283	PFI-1218N-2D2DS-O1	559,595	283,372	205,574	PFI-2012N-3D2DS-M2	855,059	375,696	241,212
PFI-0709N-5D3ES-L1	378,442	153,813	95,248	PFI-1218N-2D4DS-P1	624,470	279,999	203,126	PFI-2012N-3D4DS-M2	958,059	372,032	238,860
PFI-0709N-5D1ES-M1	338,906	155,614	96,363	PFI-1218N-2D4ES-P1	640,917	290,586	208,349	PFI-2012N-3D3DS-N2	912,739	373,644	239,895
PFI-0709N-6D1ES-M1	380,470	159,937	98,330	PFI-1218N-3D1ES-R1	692,711	299,158	212,148	PFI-2012N-3D2ES-O2	894,376	408,039	257,342
PFI-0718N-2D1DS-J2	345,875	229,459	159,291	PFI-1218N-3D2DS-P1	709,633	275,570	199,914	PFI-2012N-3D4ES-O2	998,437	404,004	254,798
PFI-0718N-2D3DS-K2	383,039	227,823	158,155	PFI-1218N-3D2DS-Q1	709,633	275,570	199,914	PFI-2012N-4D2ES-N2	1,067,812	417,980	261,512
PFI-0718N-2D3ES-L2	395,508	237,200	162,814	PFI-1218N-3D2ES-R1	734,900	296,784	210,464	PFI-2012N-4D4ES-O2	1,196,886	412,768	258,251
PFI-0718N-2D4ES-M2	413,996	236,350	162,231	PFI-1218N-3D3DS-Q1	750,789	273,430	198,361	PFI-2012N-6D1ES-O2	1,307,041	438,840	270,870
PFI-0718N-3D1ES-L2	450,272	244,538	166,092	PFI-1218N-3D4DS-Q1	799,108	270,918	196,539	PFI-2412N-2D4ES-M2	925,186	442,834	298,919
PFI-0718N-3D4DS-M2	507,287	222,354	154,358	PFI-1218N-3D4ES-R1	824,778	291,727	206,878	PFI-2412N-2D4ES-N2	925,186	442,834	298,919
PFI-0718N-4D4DS-L2	614,964	227,118	155,894	PFI-1218N-4D2ES-Q1	883,939	299,407	210,139	PFI-2412N-2D4ES-O2	925,186	442,834	298,919
PFI-0718N-4D2ES-L2	571,329	248,399	167,059	PFI-1218N-4D2ES-R1	883,939	299,407	210,139	PFI-2412N-3D1DS-M2	953,412	423,262	288,818
PFI-0718N-4D2ES-M2	571,329	248,399	167,059	PFI-1218N-4D4ES-R1	994,157	292,968	205,620	PFI-2412N-3D1DS-N2	953,412	423,262	288,818
PFI-0718N-5D1ES-M2	620,617	254,256	169,629	PFI-1218N-6D1ES-R1	1,084,223	307,565	212,067	PFI-2412N-3D2DS-N2	1,011,416	421,044	287,304
PFI-0718N-6D2ES-M2	744,585	257,254	170,134	PFI-1218N-6D3ES-R1	1,218,143	299,202	206,301	PFI-2412N-3D2DS-O2	1,011,416	421,044	287,304
PFI-1012N-2D2ES-L1	355,641	198,974	126,573	PFI-1024N-2D2ES-L2	711,283	397,949	253,145	PFI-2412N-3D1DS-P2	953,412	423,262	288,818
PFI-1012N-2D4ES-N1	393,294	197,575	125,682	PFI-1024N-2D4ES-N2	786,588	395,150	251,365	PFI-2412N-3D3ES-N2	1,112,658	453,586	303,102
PFI-1012N-3D2DS-M1	427,530	187,848	120,606	PFI-1024N-3D2DS-M2	855,059	375,696	241,212	PFI-2412N-3D4ES-O2	1,180,441	450,767	301,219
PFI-1012N-3D4DS-M1	479,029	186,016	119,430	PFI-1024N-3D4DS-M2	958,059	372,032	238,860	PFI-2412N-3D4ES-P2	1,180,441	450,767	301,219
PFI-1012N-3D3DS-N1	456,370	186,822	119,948	PFI-1024N-3D3DS-N2	912,739	373,644	239,895	PFI-2412N-5D1DS-O2	1,333,756	444,390	296,958
PFI-1012N-3D2ES-O1	447,188	204,019	128,671	PFI-1024N-3D2ES-O2	894,376	408,039	257,342	PFI-2412N-4D3DS-P2	1,292,039	428,190	289,034
PFI-1012N-3D4ES-O1	499,218	202,002	127,399	PFI-1024N-3D4ES-O2	998,437	404,004	254,798	PFI-2412N-4D2ES-P2	1,263,570	465,348	308,043
PFI-1012N-4D2ES-N1	533,906	208,990	130,756	PFI-1024N-4D2ES-N2	1,067,812	417,980	261,512	PFI-2412N-5D4ES-P2	1,638,627	464,251	304,963
PFI-1012N-4D4ES-O1	598,443	206,384	129,125	PFI-1024N-4D4ES-O2	1,196,886	412,768	258,251	PFI-2412N-6D1ES-P2	1,547,682	485,981	316,580
PFI-1012N-6D1ES-O1	653,521	219,420	135,435	PFI-1024N-6D1ES-O2	1,307,041	438,840	270,870				
				PFI-1224N-2D4ES-M2	925,186	442,834	298,919				
				PFI-1224N-2D4ES-N2	925,186	442,834	298,919				



Model Number (XE Models)	Standard Unit ⁽¹⁾	Unit with PCD Hood ⁽²⁾	Unit with PCD Hood and Insulation
PFI-1012N-3D1DS-L1	404,037	188,684	121,143
PFI-1012N-4D1DS-J1	485,219	194,158	123,509
PFI-1012N-3D4DS-L1	479,029	186,016	119,430
PFI-1012N-4D1ES-J1	504,216	210,189	131,506
PFI-1012N-3D2ES-L1	447,188	204,019	128,671
PFI-1012N-3D2ES-M1	447,188	204,019	128,671
PFI-1012N-4D1DS-M1	485,219	194,158	123,509
PFI-1012N-4D3ES-L1	570,140	207,527	129,840
PFI-1012N-4D1ES-M1	504,216	210,189	131,506
PFI-1012N-5D2DS-M1	597,358	198,197	124,999
PFI-1012N-5D2DS-N1	597,358	198,197	124,999
PFI-1012N-4D3ES-N1	570,140	207,527	129,840
PFI-1012N-6D1ES-M1	653,521	219,420	135,435
PFI-1212N-2D4DS-K1	447,839	212,735	145,162
PFI-1212N-3D2DS-K1	505,708	210,522	143,652
PFI-1212N-3D2DS-L1	505,708	210,522	143,652
PFI-1212N-3D4DS-L1	567,773	208,148	142,032
PFI-1212N-3D2ES-L1	527,536	227,990	152,351
PFI-1212N-3D2ES-M1	527,536	227,990	152,351
PFI-1212N-3D4ES-M1	590,220	225,383	150,609
PFI-1212N-4D2DS-M1	610,548	215,511	145,473
PFI-1212N-4D2DS-N1	610,548	215,511	145,473
PFI-1212N-4D3ES-M1	667,474	231,130	152,999
PFI-1212N-6D1DS-M1	754,869	227,348	150,496
PFI-1212N-4D4ES-N1	709,240	229,323	151,803
PFI-1212N-5D4DS-O1	799,370	216,685	144,797
PFI-1212N-5D2ES-N1	729,157	236,158	155,130
PFI-1212N-5D4ES-O1	819,314	232,126	152,482
PFI-1212N-6D1ES-O1	773,841	242,991	158,290
PFI-1218N-2D1DS-N1	529,458	284,939	206,710
PFI-1218N-2D2DS-N1	559,595	283,372	205,574
PFI-1218N-2D2ES-M1	575,281	294,139	210,896
PFI-1218N-2D3DS-K1	589,325	281,826	204,452
PFI-1218N-2D4ES-K1	640,917	290,586	208,349
PFI-1218N-2D4ES-M1	640,917	290,586	208,349
PFI-1218N-2D4ES-N1	640,917	290,586	208,349
PFI-1218N-3D1DS-L1	667,647	277,754	201,498
PFI-1218N-3D1DS-O1	667,647	277,754	201,498
PFI-1218N-3D2DS-M1	709,633	275,570	199,914
PFI-1218N-3D2ES-P1	734,900	296,784	210,464
PFI-1218N-3D3DS-L1	750,789	273,430	198,361
PFI-1218N-3D3ES-O1	776,246	294,458	208,814
PFI-1218N-3D4DS-M1	799,108	270,918	196,539

PFi Engineering Data

XE Models

Model Number (XE Models)	Standard Unit ⁽¹⁾	Unit with PCD Hood ⁽²⁾	Unit with PCD Hood and Insulation
PFI-1218N-3D4DS-N1	799,108	270,918	196,539
PFI-1218N-3D4DS-P1	799,108	270,918	196,539
PFI-1218N-3D4ES-M1	824,778	291,727	206,878
PFI-1218N-4D1ES-O1	831,698	302,459	212,281
PFI-1218N-4D3DS-P1	910,327	276,003	197,893
PFI-1218N-4D3ES-P1	934,824	296,435	208,052
PFI-1218N-4D3ES-Q1	934,824	296,435	208,052
PFI-1218N-4D4DS-M1	969,557	272,797	195,594
PFI-1218N-4D4DS-O1	969,557	272,797	195,594
PFI-1218N-4D4DS-P1	969,557	272,797	195,594
PFI-1218N-4D4ES-Q1	994,157	292,968	205,620
PFI-1218N-5D2ES-Q1	1,021,985	300,661	209,237
PFI-1024N-2D2DS-J2	686,778	381,681	245,055
PFI-1024N-2D4ES-K2	786,588	395,150	251,365
PFI-1024N-3D2DS-K2	855,059	375,696	241,212
PFI-1024N-3D1DS-L2	808,073	377,367	242,285
PFI-1024N-4D1DS-J2	970,438	388,316	247,018
PFI-1024N-3D4DS-L2	958,059	372,032	238,860
PFI-1024N-4D1ES-J2	1,008,431	420,378	263,012
PFI-1024N-3D2ES-L2	894,376	408,039	257,342
PFI-1024N-3D2ES-M2	894,376	408,039	257,342
PFI-1024N-4D1DS-M2	970,438	388,316	247,018
PFI-1024N-4D3ES-L2	1,140,280	415,054	259,681
PFI-1024N-4D1ES-M2	1,008,431	420,378	263,012
PFI-1024N-5D2DS-M2	1,194,716	396,393	249,998
PFI-1024N-5D2DS-N2	1,194,716	396,393	249,998
PFI-1024N-4D3ES-N2	1,140,280	415,054	259,681
PFI-1024N-6D1ES-M2	1,307,041	438,840	270,870
PFI-1224N-2D4DS-K2	895,677	425,471	290,325
PFI-1224N-3D2DS-K2	1,011,416	421,044	287,304
PFI-1224N-3D2DS-L2	1,011,416	421,044	287,304
PFI-1224N-3D4DS-L2	1,135,545	416,296	284,064
PFI-1224N-3D2ES-L2	1,055,072	455,981	304,703
PFI-1224N-3D2ES-M2	1,055,072	455,981	304,703
PFI-1224N-3D4ES-M2	1,180,441	450,767	301,219
PFI-1224N-4D2DS-M2	1,221,097	431,022	290,946
PFI-1224N-4D2DS-N2	1,221,097	431,022	290,946
PFI-1224N-4D3ES-M2	1,334,949	462,259	305,999
PFI-1224N-6D1DS-M2	1,509,739	454,696	300,992
PFI-1224N-4D4ES-N2	1,418,480	458,645	303,606
PFI-1224N-5D4DS-O2	1,598,741	433,369	289,593
PFI-1224N-5D2ES-O2	1,458,313	472,316	310,261
PFI-1224N-5D4ES-O2	1,638,627	464,251	304,963
PFI-1236N-6D1ES-O2	1,547,682	485,981	316,580
PFI-1236N-2D1DS-N2	1,058,915	569,878	413,421
PFI-1236N-2D2DS-N2	1,119,191	566,744	411,147
PFI-1236N-2D2ES-M2	1,150,561	588,277	421,792
PFI-1236N-2D3DS-K2	1,178,649	563,652	408,904
PFI-1236N-2D4ES-K2	1,281,834	581,171	416,698
PFI-1236N-2D4ES-M2	1,281,834	581,171	416,698
PFI-1236N-3D1DS-L2	1,335,294	555,507	402,995
PFI-1236N-3D1DS-O2	1,335,294	555,507	402,995
PFI-1236N-3D2DS-M2	1,419,266	551,141	399,828

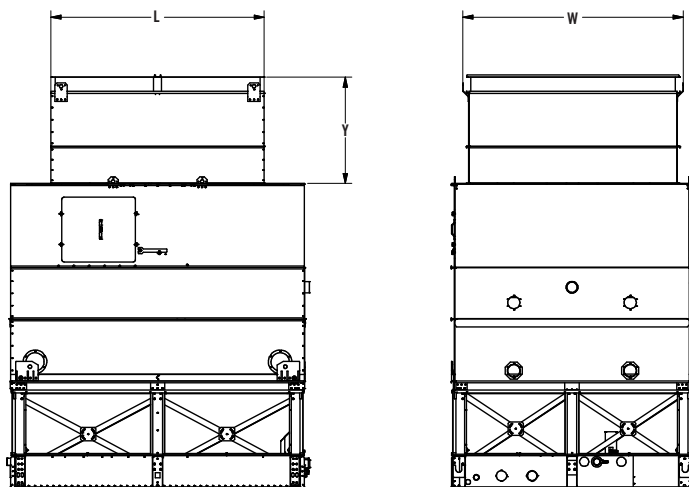
Model Number (XE Models)	Standard Unit ⁽¹⁾	Unit with PCD Hood ⁽²⁾	Unit with PCD Hood and Insulation
PFI-1224N-6D1ES-O2	1,547,682	485,981	316,580
PFI-2012N-2D2DS-J2	686,778	381,681	245,055
PFI-2012N-2D4ES-K2	786,588	395,150	251,365
PFI-2012N-3D2DS-K2	855,059	375,696	241,212
PFI-2012N-3D1DS-L2	808,073	377,367	242,285
PFI-2012N-4D1DS-J2	970,438	388,316	247,018
PFI-2012N-3D4DS-L2	958,059	372,032	238,860
PFI-2012N-4D1ES-J2	1,008,431	420,378	263,012
PFI-2012N-3D2ES-L2	894,376	408,039	257,342
PFI-2012N-3D2ES-M2	894,376	408,039	257,342
PFI-2012N-4D1DS-M2	970,438	388,316	247,018
PFI-2012N-4D3ES-L2	1,140,280	415,054	259,681
PFI-2012N-4D1ES-M2	1,008,431	420,378	263,012
PFI-2012N-5D2DS-M2	1,194,716	396,393	249,998
PFI-2012N-5D2DS-N2	1,194,716	396,393	249,998
PFI-2012N-4D3ES-N2	1,140,280	415,054	259,681
PFI-2012N-6D1ES-M2	1,307,041	438,840	270,870
PFI-2412N-2D4DS-K2	895,677	425,471	290,325
PFI-2412N-3D2DS-K2	1,011,416	421,044	287,304
PFI-2412N-3D2DS-L2	1,011,416	421,044	287,304
PFI-2412N-3D4DS-L2	1,135,545	416,296	284,064
PFI-2412N-3D2ES-L2	1,055,072	455,981	304,703
PFI-2412N-3D2ES-M2	1,055,072	455,981	304,703
PFI-2412N-3D4ES-M2	1,180,441	450,767	301,219
PFI-2412N-4D2DS-M2	1,221,097	431,022	290,946
PFI-2412N-4D2DS-N2	1,221,097	431,022	290,946
PFI-2412N-4D3ES-M2	1,334,949	462,259	305,999
PFI-2412N-6D1DS-M2	1,509,739	454,696	300,992
PFI-2412N-4D4ES-N2	1,418,480	458,645	303,606
PFI-2412N-5D4DS-O2	1,598,741	433,369	289,593
PFI-2412N-5D2ES-N2	1,458,313	472,316	310,261
PFI-2412N-5D4ES-O2	1,638,627	464,251	304,963
PFI-2412N-6D1ES-O2	1,547,682	485,981	316,580
PFI-1236N-2D1DS-N2	1,058,915	569,878	413,421
PFI-1236N-2D2DS-N2	1,119,191	566,744	411,147
PFI-1236N-2D2ES-M2	1,150,561	588,277	421,792
PFI-1236N-2D3DS-K2	1,178,649	563,652	408,904
PFI-1236N-2D4ES-K2	1,281,834	581,171	416,698
PFI-1236N-2D4ES-M2	1,281,834	581,171	416,698
PFI-1236N-3D1DS-L2	1,335,294	555,507	402,995
PFI-1236N-3D1DS-O2	1,335,294	555,507	402,995
PFI-1236N-3D2DS-M2	1,419,266	551,141	399,828

Model Number (XE Models)	Standard Unit ⁽¹⁾	Unit with PCD Hood ⁽²⁾	Unit with PCD Hood and Insulation
PFI-1236N-3D2ES-P2	1,469,800	593,568	420,928
PFI-1236N-3D3DS-L2	1,501,578	546,861	396,723
PFI-1236N-3D3ES-O2	1,552,492	588,915	417,629
PFI-1236N-3D4DS-M2	1,598,217	541,836	393,077
PFI-1236N-3D4DS-N2	1,598,217	541,836	393,077
PFI-1236N-3D4DS-P2	1,598,217	541,836	393,077
PFI-1236N-3D4ES-M2	1,649,555	583,454	413,755
PFI-1236N-4D1ES-O2	1,663,396	604,918	424,561
PFI-1236N-4D3DS-P2	1,820,653	552,006	395,786
PFI-1236N-4D3ES-P2	1,869,647	592,869	416,105
PFI-1236N-4D3ES-Q2	1,869,647	592,869	416,105
PFI-1236N-4D4DS-M2	1,939,114	545,594	391,188
PFI-1236N-4D4DS-O2	1,939,114	545,594	391,188
PFI-1236N-4D4DS-P2	1,939,114	545,594	391,188
PFI-1236N-4D4ES-Q2	1,988,314	585,937	411,240
PFI-1236N-5D2ES-Q2	2,043,969	601,322	418,474
PFI-2418N-2D1DS-N2	1,058,915	569,878	413,421
PFI-2418N-2D2DS-N2	1,119,191	566,744	411,147
PFI-2418N-2D2ES-M2	1,150,561	588,277	421,792
PFI-2418N-2D3DS-K2	1,178,649	563,652	408,904
PFI-2418N-2D4ES-K2	1,281,834	581,171	416,698
PFI-2418N-2D4ES-M2	1,281,834	581,171	416,698
PFI-2418N-2D4ES-N2	1,281,834	581,171	416,698
PFI-2418N-3D1DS-L2	1,335,294	555,507	402,995
PFI-2418N-3D1DS-O2	1,335,294	555,507	402,995
PFI-2418N-3D2DS-M2	1,419,266	551,141	399,828
PFI-2418N-3D2ES-P2	1,469,800	593,568	420,928
PFI-2418N-3D3DS-L2	1,501,578	546,861	396,723
PFI-2418N-3D3ES-O2	1,552,492	588,915	417,629
PFI-2418N-3D4DS-M2	1,598,217	541,836	393,077
PFI-2418N-3D4DS-N2	1,598,217	541,836	393,077
PFI-2418N-3D4DS-P2	1,598,217	541,836	393,077
PFI-2418N-3D4ES-M2	1,649,555	583,454	413,755
PFI-2418N-4D1ES-O2	1,663,396	604,918	424,561
PFI-2418N-4D3DS-P2	1,820,653	552,006	395,786
PFI-2418N-4D3ES-P2	1,869,647	592,869	416,105
PFI-2418N-4D3ES-Q2	1,869,647	592,869	416,105
PFI-2418N-4D4DS-M2	1,939,114	545,594	391,188
PFI-2418N-4D4DS-O2	1,939,114	545,594	391,188
PFI-2418N-4D4DS-P2	1,939,114	545,594	391,188
PFI-2418N-4D4ES-Q2	1,988,314	585,937	411,240
PFI-2418N-5D2ES-Q2	2,043,969	601,322	418,474



DIMENSIONAL DATA OF POSITIVE CLOSURE DAMPER HOOD

Model Number	Number of PCD Hoods	Length (L)	Width (W)	Height (Y)	Hood Shipping Weight	Hood Operating Weight ⁽¹⁾
PFI-0406	1	4'-6"	4'-7"	1'-7 3/8"	257	187
PFI-0412	2	4'-6"	4'-7"	1'-7 3/8"	239	374
PFI-0709	1	7'-6"	7'-8"	3'-7 1/4"	718	568
PFI-0718	2	7'-6"	7'-8"	3'-7 1/4"	680	1,135
PFI-1012	1	9'-2 3/4"	8'-11 1/2"	3'-1 7/8"	962	722
PFI-1024	2	9'-2 3/4"	8'-11 1/2"	3'-1 7/8"	962	722
PFI-2012	2	9'-2 3/4"	8'-11 1/2"	3'-1 7/8"	962	722
PFI-1212	1	10'-8 3/4"	10'-5"	3'-3 3/4"	1,199	959
PFI-1224	2	10'-8 3/4"	10'-5"	3'-3 3/4"	1,199	959
PFI-2412	2	10'-8 3/4"	10'-5"	3'-3 3/4"	1,199	959
PFI-1218	2	9'-2 3/4"	8'-11 1/2"	3'-1 7/8"	1,684	1,444
PFI-1236	4	9'-2 3/4"	8'-11 1/2"	3'-1 7/8"	1,684	1,444
PFI-2418	4	9'-2 3/4"	8'-11 1/2"	3'-1 7/8"	1,684	1,444



NOTE:

1. Hood shipping weight includes shipping skid weight.
2. Hood dimensions are for units with a standard fan. For alternate fans, please consult your local BAC Representative.

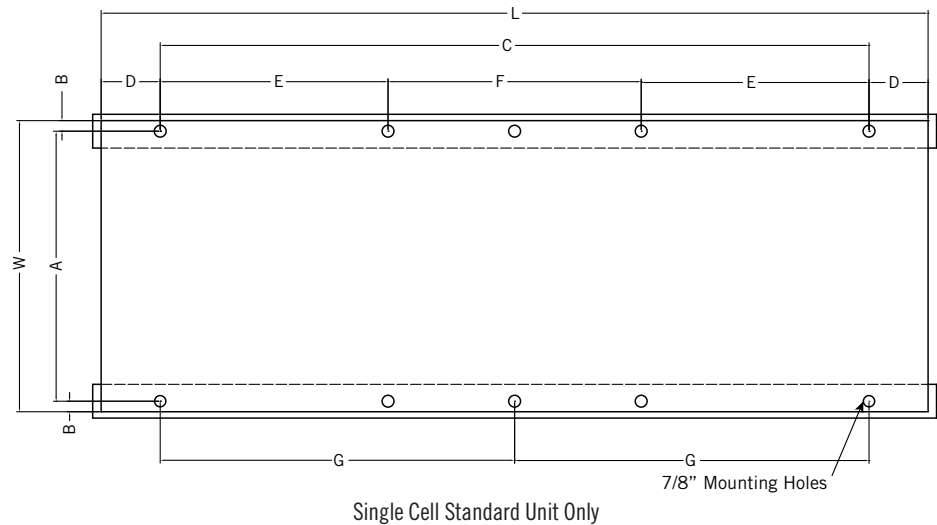
PFi Structural Support

The recommended support arrangement for the PFi Closed Circuit Cooling Tower consists of parallel structural members positioned as shown on the drawing below. 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 unit. The PFi Closed Circuit Cooling Tower may also be supported on columns at the anchor bolt locations shown.

To support a PFi Closed Circuit Cooling Tower on columns with an alternate steel support arrangement, or the optional structurally upgraded unit, consult your local BAC Representative.

NOTES:

1. Contact your local BAC Representative for multi-cell or structurally upgraded unit support.
2. Support members and anchor bolts shall be designed, furnished, and installed by others.
3. 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.
4. Support members shall be level at the top.
5. Refer to the certified unit support drawing for loading and additional support requirements.
6. If vibration isolation (provided by others) is used, the isolators should be located under a structural base that complies with one of the recommended support arrangements. Contact your local BAC Representative for all other isolator configurations.

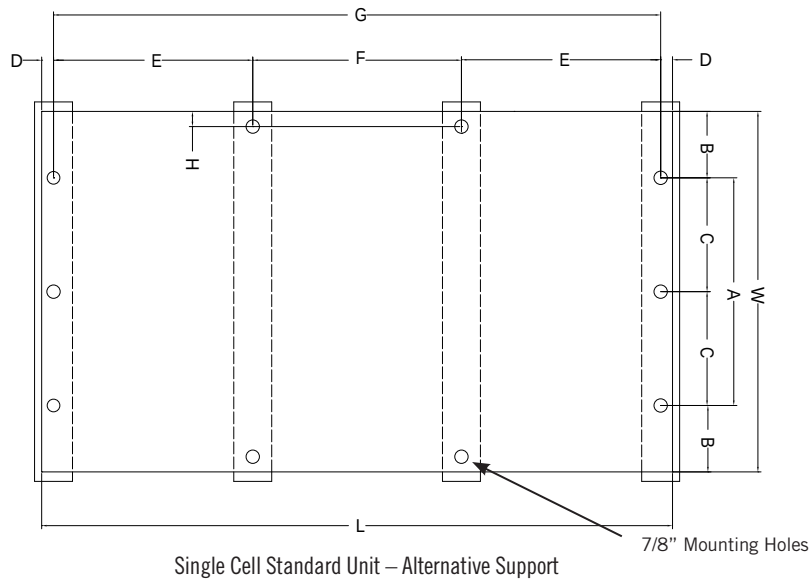


SINGLE CELL STANDARD UNIT ONLY

Box Size	L	W	A	B	C	D	E	F	G	Anchor Bolt Qty.
PFI-0406	5'-11 3/4"	4'	3'-9 3/4"	1 1/8"	2'-5 1/4"	9 1/4"	—	—	—	4
PFI-0412	11'-11 3/4"	4'	3'-9 3/4"	1 1/8"	10'-5 1/4"	9 1/4"	—	—	—	4
PFI-0709	8'-11 3/4"	7'-3 1/4"	7'-1"	1 1/8"	8'-3 3/4"	4"	—	—	4'-1 7/8"	6
PFI-0718	17'-11 3/4"	7'-3 1/4"	7'-1"	1 1/8"	17'-3 3/4"	4"	5'-8 3/32"	5'-11 1/2"	—	8
PFI-1012	11'-11 3/4"	9' 10"	7'-3 1/4"	1 1/8"	11'-3 3/4"	4"	—	—	5'-7 7/8"	6
PFI-1212	11'-11 3/4"	11'-10"	11'-7 3/4"	1 1/8"	11'-3 3/4"	4"	—	—	5'-7 7/8"	6
PFI-1218	17'-11 3/4"	11'-10"	11'-7 3/4"	1 1/8"	17'-3 3/4"	4"	5'-8 3/32"	5'-11 1/2"	—	8

Alternative Structural Support

For replacement installations, the PFI Closed Circuit Cooling Tower has been designed to match the supports of many existing evaporative condensers without modifications. Shown below is the most common support arrangement which can be accommodated by the PFI. If individual point support is required, or if the existing support arrangement is not shown as below, consult your local BAC Representative for assistance.



NOTES:

1. Contact your local BAC Representative for multi-cell or structurally upgraded unit support.
2. Support members and anchor bolts shall be designed, furnished, and installed by others.
3. 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.
4. Support members shall be level at the top.
5. Refer to the certified unit support drawing for loading and additional support requirements.
6. If vibration isolation (provided by others) is used, the isolators should be located under a structural base that complies with one of the recommended support arrangements. Contact your local BAC Representative for all other isolator configurations.

SINGLE CELL STANDARD UNIT – ALTERNATIVE SUPPORT

Box Size	L	W	A	B	C	D	E	F	G	H	Anchor Bolt Qty.
PFI-0406	5'-11 3/4"	4'-0"	3'-4"	4"	—	1 1/8"	—	—	5'-9 1/2"	—	4
PFI-0412	11'-11 3/4"	4'-0"	3'-4"	4"	—	1 1/8"	—	—	11'-9 1/2"	—	4
PFI-0709	8'-11 3/4"	7'-7 1/4"	6'-7 1/4"	4"	—	1 1/8"	—	—	8'-9 1/2"	—	4
PFI-0718	17'-11 3/4"	7'-7 1/4"	6'-7 1/4"	4"	—	1 1/8"	5'-11"	5'-11 1/2"	17'-9 1/2"	1 1/8"	8
PFI-1012	11'-11 3/4"	9'-0"	9'-2"	4"	4' 7"	1 1/8"	—	—	11'-9 1/2"	—	6
PFI-1212	11'-11 3/4"	11'-10"	11'-2"	4"	5'-7"	1 1/8"	—	—	11'-9 1/2"	—	6
PFI-1218	17'-11 3/4"	11'-10"	11'-2"	4"	5'-7"	1 1/8"	5'-11"	5'-11 1/2"	17'-9 1/2"	1 1/8"	10

RELAX, It's CTI Certified.

BAC was the first manufacturer to get certified by the Cooling Technology Institute (CTI) so you can rest assured that the certified FXV and NEW PFi Closed Circuit Cooling Tower product lines will perform at the published capacities.



DID YOU KNOW?

- CTI is a nonprofit self-governing association dedicated to the improvement in technology, design, and performance of cooling towers.
- In 1998, CTI Standard STD-201 was expanded to include closed circuit cooling towers.
- BAC was the first manufacturer to certify a line of closed circuit cooling towers.
- Certified units are randomly selected each year by CTI and tested to demonstrate continued compliance.
- A deficiency in cooling tower performance is hard to detect, therefore by having a CTI certified unit you can have peace of mind that your unit will perform in accordance with the published ratings.

**TOP
5**

BENEFITS OF CTI CERTIFIED UNITS

from Baltimore Aircoil Company

1. Confidence that your closed circuit cooling tower will perform at the published capacities.
2. Demonstrated code compliance and risk reduction due to independent validation and verification.
3. Certified thermal performance eliminates the potential of excessive operating costs due to deficient equipment.
4. Design flexibility with certification for both water and glycol.
5. Eliminates costs associated with expensive and time consuming field thermal performance testing.

OUT WITH THE OLD, IN WITH THE NEW!

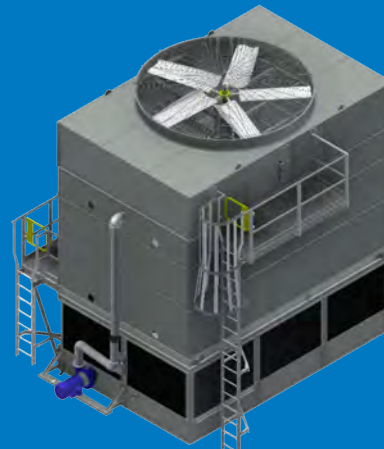


Look for the CTI Certified logo! Is your unit up for replacement? If so, make sure that you replace your unit with a certified unit from Baltimore Aircoil Company!

**FXV Closed Circuit
Cooling Tower**



**New PFi Closed
Circuit Cooling Tower**



For more information
Call 410.799.6200 or visit
www.baltimoreaircoil.com

