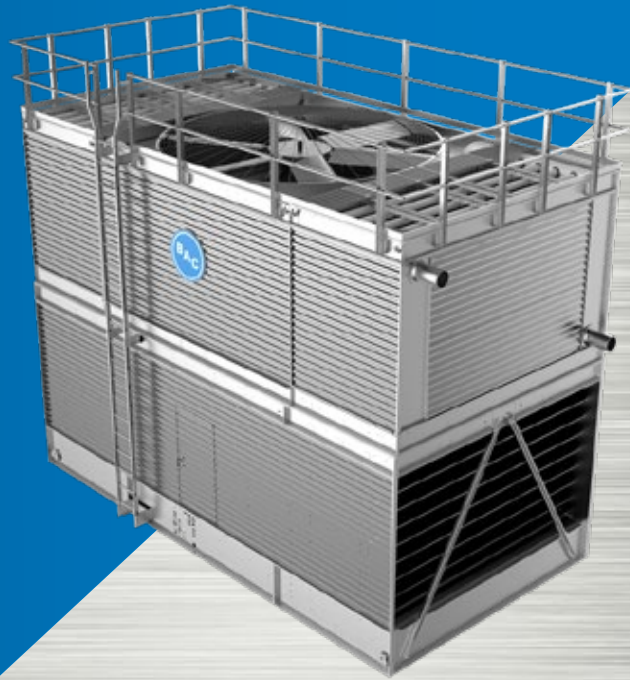




FXV3 Closed Circuit Cooling Tower



Maximizes System Efficiency and Space Savings



For the most up to date information,
visit www.BaltimoreAircoil.com/FXV3

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FXV3 Closed Circuit Cooling Tower



Maximizes System Efficiency and Space Savings

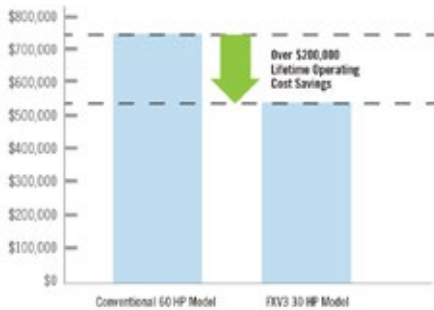
The FXV3 Closed Circuit Cooling Tower is perfect for applications to maximize system efficiency and space savings for large projects. The FXV3 has the largest capacity in a single cell of any closed-loop system and provides the added value of reduced operating costs, improved reliability, and a cost-effective solution to both the owner and the installing contractor for large projects.

278 - 765 tons
Up to 7,110 USGPM
Combined Crossflow // Axial Fan //
Induced Draft



FXV3 Benefits

Comparison of First and Operating Costs*



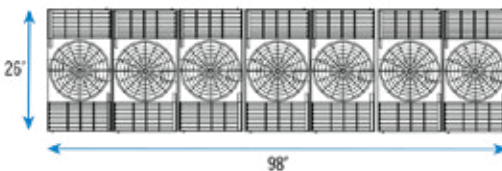
*Note: Operating costs based on fan and pump kW @ 90.12kW @ x 8760 hours x 50% average load for the year x 20 years.



ENDURADRIIVE® Fan System



Open plenum for easy maintenance



Optimized Layout for High Capacity Applications

Lowest Operating Costs

UP TO 50% LOWER ENERGY COSTS^[1]

- Offers the greatest system efficiency, thanks to the combined crossflow design, and optimized heat transfer surfaces
- Up to 40% reduction in operating costs with the XE Models that exceed ASHRAE 90.1 efficiency standards by at least 3 times
- Eliminate the need for field thermal performance testing costs with CTI Certification for both water and glycol
- Further reduce fouling, maintain system efficiency with the closed loop cooling process

Maximum Uptime

UNMATCHED RELIABILITY AND LONGEVITY

- Total peace of mind with the optional ENDURADRIIVE® Fan System which has no gears, belts or transmission parts and is backed by a 7 year motor warranty
- Enhanced longevity with a variety of durable unique materials of construction including EVERTOUGH™ Construction, TriArmor® Corrosion Protection System, Baltibond® Hybrid Coating, and stainless steel options
- Certified/complies with local codes including CTI, IBC, FM, HCAI, ASHRAE 90.1, ASRHAE 189, and California Title 24

Easy Maintenance

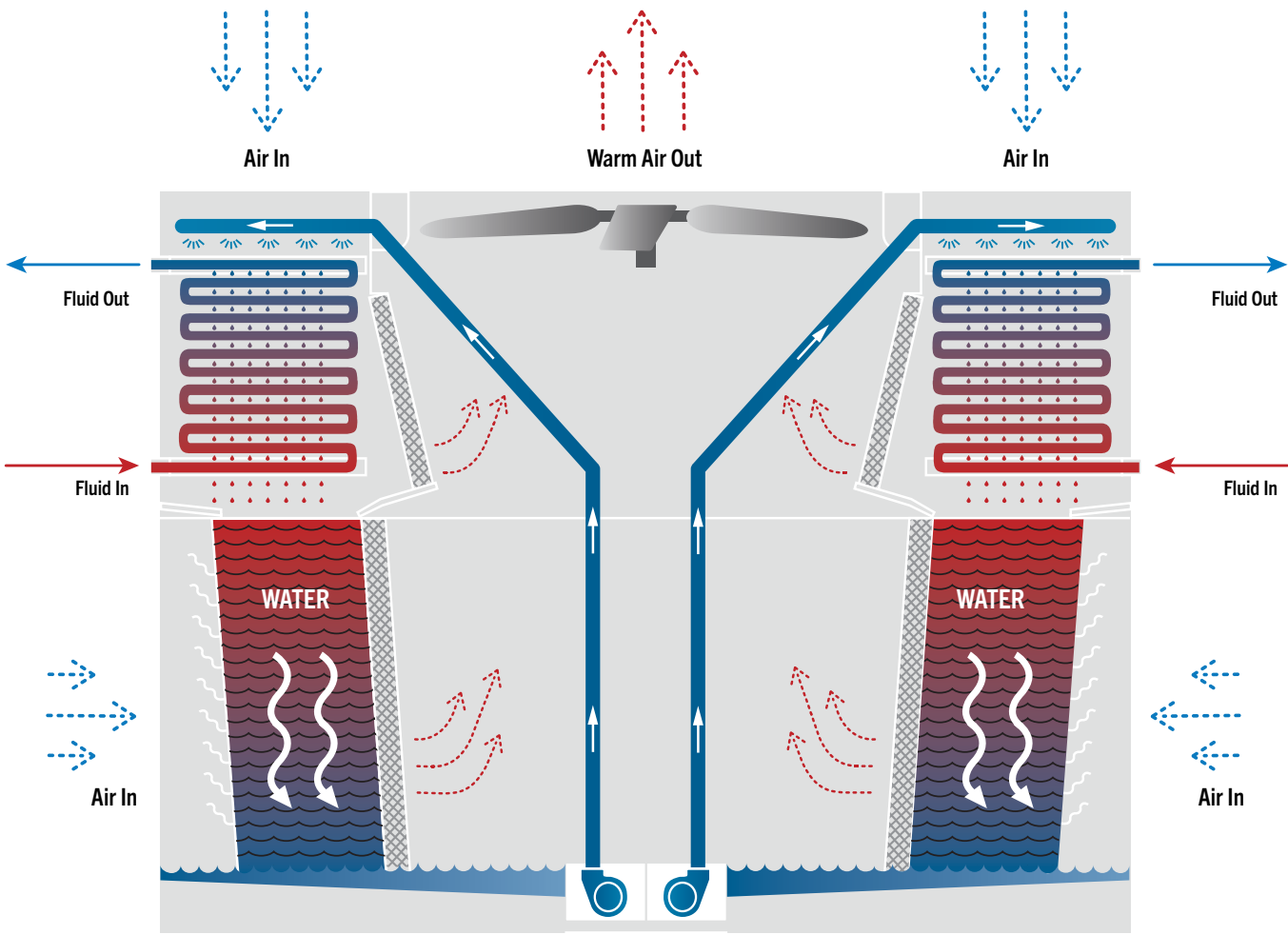
FASTEST ACCESS TO KEY COMPONENTS

- Fastest access to the cold water basin, spray distribution system, coil, and drive system with the crossflow design, large access doors, and an optional internal walkway to easily maintain peak system performance
- Reduce downtime by inspecting the spray distribution system and easy access nozzles while the unit is in operation (compared with similar units that have a redistribution basin with hard to reach nozzles that require an additional access point and platform)
- Reduce algae growth and debris on the fill with combined inlet shields that block sunlight
- Lack of gears, sheaves, and belts results in almost maintenance-free operation with the optional ENDURADRIIVE® Fan System

Lower Installation Costs

SAVE MORE THAN 70% ON INSTALLATION TIME^[2]

- Higher capacity packs more cooling into a smaller footprint resulting in reduced installation cost, space, weight and maintenance
- Modular design minimizes site installation with half the lead time of field erected units
- Reduce on-site labor requirements and ensure on-time commissioning with factory pre-assembled external platform and ladder options and built-in rigging guides
- Simple steel designs and layout flexibility with dual air intakes
- Save time and material on piping, welding and valves with half the number of coil connections and flexibility of coil connection location



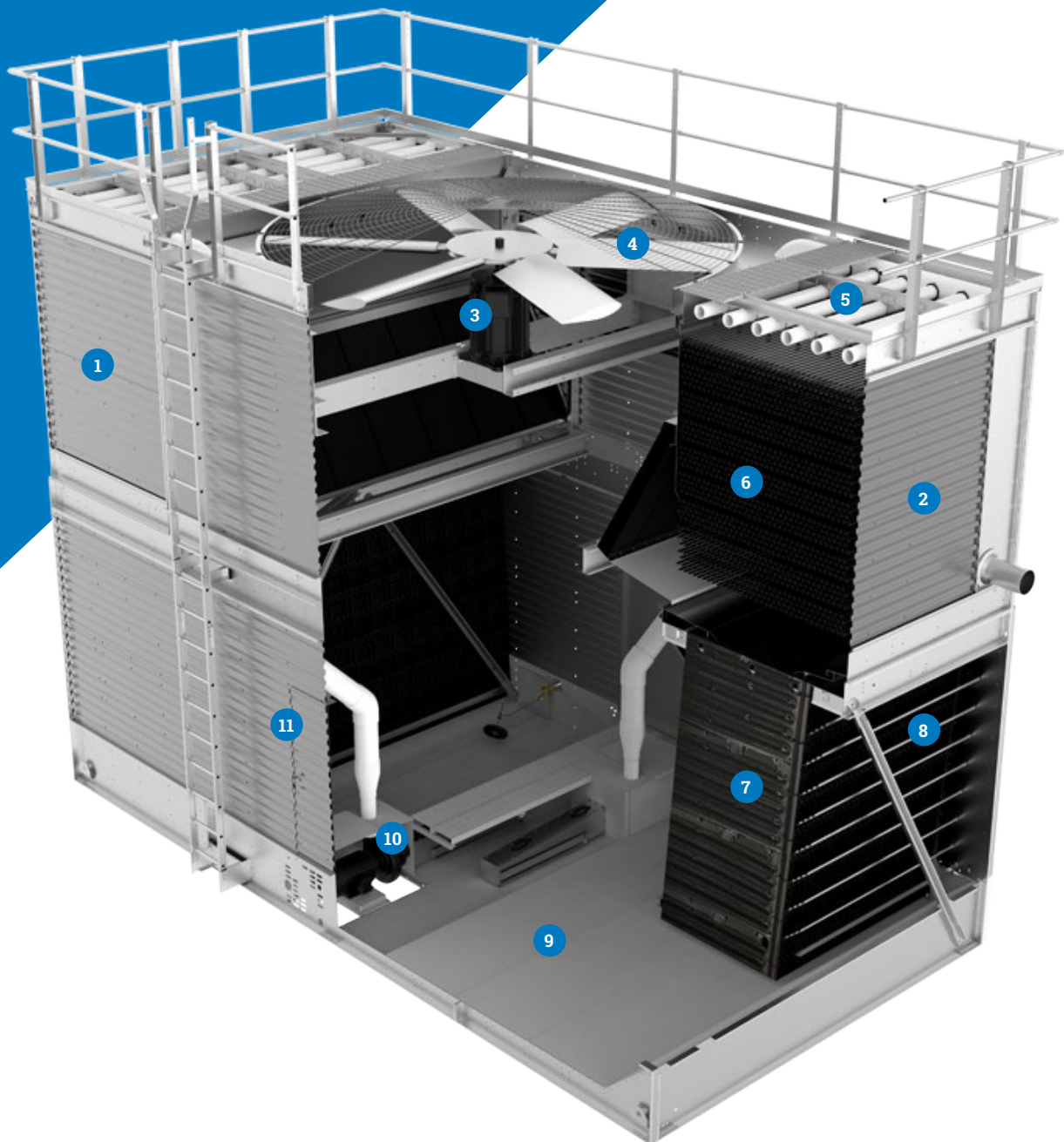
Series FXV3 Cooling Tower Principle of Operation



NOTE:

- 1. Compared to standard cooling towers.
- 2. Compared to field erected equipment.

FXV3 Design Details



1 Heavy-Duty Construction

- G-235 mill galvanized steel panels
- Meets seismic and wind requirements for International Building Code and FM approval

2 FRP Casing Panels

- Corrosion resistant, UV resistant finish ensuring long life

3 BALTIDRIVE® Power Train

- Premium quality, solid-backed, multi-groove belt
- Corrosion resistant materials of construction
- Heavy-duty bearings L₁₀ 80,000 hours
- Premium efficient/inverter duty-ready motors are standard
- 7-year motor warranty¹¹; 5-year warranty on drive components

4 Low HP Axial Fan

- Quiet operation
- High efficiency
- Corrosion resistant aluminum

5 Water Distribution System

- Visible and accessible during operation
- No redistribution basin required
- Non-corrosive PVC spray branches
- Overlapping spray patterns ensure proper water coverage over the coil
- BAC 360 Spray Nozzles, large non-clog orifice

6 Coil Section

- Continuous serpentine, steel tubing
- Hot-dip galvanized after fabrication (HDGAF)
- Maximum allowable working pressure of 300 psig
- Fabricated per ASME B31.5 standards
- Canadian Registration Number (CRN) available

7 BACross® Fill with Integral Drift Eliminators

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

8 FRP Air Intake Louvers

- Corrosion resistant, UV resistant finish ensuring long life
- Separate from the fill which allows for clear inspection of the fill-air interface which is where scale build up occurs first

9 Cold Water Basin

- Sloped cold water basin for easy cleaning
- Suction strainer with anti-vortex hood

10 Recirculating Spray Water Pumps

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

11 Hinged Access Doors

- 34"W x 64"H hinged access doors
- Inward swinging door on each end wall
- Opens to the standard internal walkway



NOTE:

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

FXV3 Features & Options

278 - 765 tons^[1] // Up to 7,100 USGPM^[1] // Combined Crossflow // Axial Fan // Induced Draft

| Features & Options | Page | Description |
|---|------|---|
| MATERIALS OF CONSTRUCTION | | |
| G-235 Galvanized Steel | H3 | Universally recognized for its strength and durability |
| TriArmor® Corrosion Protection System | H3 | The ultimate in corrosion and leak protection for the basin at the best value; 10-year leak & corrosion warranty |
| EVERTOUGH™ Construction | H4 | Combines the most corrosion resistant materials at the best value for most water chemistries including TriArmor® Corrosion Protection (basin), Baltibond® Hybrid Coating (structure), stainless steel (submerged components in basin), G-235 galvanized steel (coils, stainless available), and fiberglass reinforced polymer (casing panels and louvers) |
| Baltibond® Hybrid Coating | H4 | Thermosetting hybrid polymer coating baked onto the G-235 galvanized steel creating another layer of protection |
| Welded Stainless Steel Cold Water Basin | H4 | All steel panels and structural members of the basin are Type 304 stainless steel for increased corrosion resistance or job requirement |
| All Stainless Steel Construction | H5 | All unit steel panels, structural elements, and the welded basin are Type 304 stainless steel for increased corrosion resistance or job requirement |
| Fiberglass Reinforced Polymer (FRP) Casing Panels | H5 | Used with BAC's durable frame construction, FRP casing panels offer a more durable corrosion resistant unit |
| Steel Casing Panels and Louvers | H6 | Available in G-235 mill galvanized steel, Baltibond® Hybrid Coating, and stainless steel |
| COILS^[2] | | |
| Serpentine Coil | H8 | Continuous prime surface steel coil; hot-dip galvanized after fabrication for corrosion resistance; fabricated per ASME B31.5 standards |
| Cleanable Header Coil | H8 | Removable cover plates on the inlet and outlet header boxes for easy coil cleaning |
| Straight-Through Fully Cleanable Coil | H8 | Removable cover plate at each end of the coil to allow mechanical cleaning of individual tubes |
| Stainless Steel Coil | H8 | Stainless steel coils available for special applications that require additional corrosion resistance |
| ASME U Designator Coil | H9 | Certified in accordance with ASME Boiler and Pressure Vessel Code, Section VIII, Division I |
| Multiple Circuit Coils/Auxiliary Cooling Circuit | H10 | Split coil configurations available to allow separate process fluid loops through the same unit |
| DRIVE SYSTEM | | |
| Baltidrive® Power Train ^[3] | H12 | Belt driven system with a multi-groove and cast aluminum sheaves; reliable and easy to maintain |
| ENDURADRIVE® Fan System | H12 | Direct-drive fan system offers the highest reliability, lowest maintenance and energy costs giving you total peace of mind; 7 year motor warranty |
| Extended Lubrication Lines | H13 | Easy lubrication of the fan shaft bearings from inside the access door |
| Baltiguard™ Fan System | H14 | Two motors per fan; one motor for full speed and load, the other is a pony motor with 2/3 capacity |
| Gear Drive System, Close-Coupled Motor | H14 | A nickel-alloy steel shaft, casehardened gears, self lubrication, and a single piece, gray cast iron; gear drive and couplings selected with a 2.0 service factor |
| Gear Drive System, Externally Mounted Motor | H15 | A non-corrosive carbon-fiber composite drive shaft with stainless steel hubs is selected with a 2.0 service factor |
| Vibration Cutout Switch | H15 | Protects against rotating equipment failure |
| COLD WATER BASIN | | |
| Mechanical Water Level Control | H17 | Maintains the water level with conductivity probes a solenoid valve |
| Electric Water Level Control | H17 | Maintains the water level with a conductivity actuator and a solenoid valve |
| Low and High Level Alarm Float Switches | H17 | Alerts operators to abnormal conditions to ensure the highest system reliability |
| Basin Sweeper Piping | H18 | Complete basin piping system with nozzles; easily connect side stream filtration equipment by others |
| Basin Heater(s) | H18 | Protect the basin water from freeze-up in below freezing ambient conditions |

Standard

| Features & Options | Page | Description |
|---|------|---|
| WATER DISTRIBUTION SYSTEM | | |
| Easy to Inspect Water Distribution System | — | Inspect the water distribution system while the unit is operating |
| Standard Spray Water Pumps | H23 | Two integral spray water pumps sized to distribute recirculating water over the coil |
| FILL⁽⁴⁾ | | |
| Fill | H26 | PVC fill for applications with entering water temperatures up to 130°F (54.4°C) |
| High Temperature Fill | H26 | HPVC fill for applications with entering water temperatures up to 140°F (60°C) |
| SHIPPING AND RIGGING | | |
| Rigging Guides | H29 | Allow easy alignment and engagement of top and bottom sections, especially critical during multi-cell installations |
| Knockdown Units | H29 | The unit ships disassembled for jobs where there are crane or other site limitations |
| FANS & SOUND | | |
| Axial Fan | H31 | The axial fan optimizes low sound levels and maximizes thermal performance |
| Low Sound Fan | H31 | Reduces sound up to 9 dBA |
| Sound Attenuation | H31 | Available for the air intake and discharge to further reduce sound levels |
| AIR INTAKE | | |
| Louvers | H33 | The material of construction of the louver matches the unit casing panels; designed with greater spacing between louvers (12") and are completely separate from the fill section, reducing scale and ice accumulation and allowing for unobstructed air flow through the unit |
| Combined Inlet Shields | H33 | Constructed from corrosion and UV resistant PVC, bent flow path blocks sunlight from the cold water basin and fill section and acts as a screen to prevent debris from entering the unit |
| Air Intake Screens | H33 | 1" x 1" wire mesh screens are factory-installed over the air intake louvers to prevent debris from entering the unit and are CTI certified |
| Coil Intake Screens | H34 | Shield the coil sections from large debris with a 1" x 1" screen |
| AIR DISCHARGE | | |
| PCD Hoods and Insulation | H36 | PCDs with stainless steel linkages and damper actuators; provides insulation to the coil |
| Fan Cowl Extensions | H36 | Elevate the air discharge to the top of parapet walls for maximum thermal capacity |
| ACCESS | | |
| Large Plenum Area for Access | — | Two 34"W x 64"H hinged access, provides access to the basin and drive system |
| Motor Removal System | H38 | Includes motor removal davit arm(s) to facilitate motor replacement |
| External Platforms and Ladder Packages | H38 | Factory preassembled and pre-fitted, attaches quickly in the field; easily inspect the spray distribution system while the unit is in operation |
| Access Door Platform and Ladder Packages | H39 | Easily access the unit when installed on elevated supports |
| Handrail and Ladder Packages | H39 | Provide safe access to the top of the unit for maintenance to the distribution system |
| Full or Partial Grating | H40 | Allows a person to walk above the coils for service; recommended if handrails are purchased |
| Internal Walkway | H40 | Allows easy access to the plenum area of the basin, make-up, fill, and drive system |
| Internal Service Platform and Ladder Packages | H40 | Easily access the motor and drive assemblies; available on two piece units |

NOTES:

1. Nominal tons of cooling represents the capability to cool 3 USGPM of water from a 95°F entering water temperature to an 85°F leaving water temperature at a 78°F entering wet-bulb temperature.
2. A Canadian Registration Number (CRN) is available for select galvanized and stainless steel coil configurations, contact your local BAC Representative for more information.
3. Motors are warranted for 7 years from date of shipment when space heaters are field-wired at time of initial installation.
4. The spray water temperature should not be confused with the temperature of the process fluid contained in the coil, which can go up to 180°F (82.2°C).

FXV3 Performance Data

| Model Number | Nominal Tons ⁽¹⁾ | Fan HP |
|------------------|-----------------------------|--------|
| FXV3-1224-20D-25 | 381 | 25 |
| FXV3-1224-20D-30 | 399 | 30 |
| FXV3-1224-20D-40 | 429 | 40 |
| FXV3-1224-20D-50 | 452 | 50 |
| FXV3-1224-20D-60 | 472 | 60 |
| FXV3-1224-20D-75 | 488 | 75 |
| FXV3-1224-24D-30 | 421 | 30 |
| FXV3-1224-24D-40 | 455 | 40 |
| FXV3-1224-24D-50 | 482 | 50 |
| FXV3-1224-24D-60 | 504 | 60 |
| FXV3-1224-24D-75 | 537 | 75 |
| FXV3-1224-24T-25 | 376 | 25 |
| FXV3-1224-24T-30 | 395 | 30 |
| FXV3-1224-24T-40 | 426 | 40 |
| FXV3-1224-24T-50 | 450 | 50 |
| FXV3-1224-24T-60 | 471 | 60 |
| FXV3-1224-24T-75 | 510 | 75 |
| FXV3-1224-24Q-25 | 356 | 25 |
| FXV3-1224-24Q-30 | 373 | 30 |
| FXV3-1224-24Q-40 | 402 | 40 |
| FXV3-1224-24Q-50 | 425 | 50 |
| FXV3-1224-24Q-60 | 444 | 60 |
| FXV3-1224-24Q-75 | 471 | 75 |
| FXV3-1224-28D-30 | 437 | 30 |
| FXV3-1224-28D-40 | 477 | 40 |
| FXV3-1224-28D-50 | 508 | 50 |
| FXV3-1224-28D-60 | 533 | 60 |
| FXV3-1224-28D-75 | 565 | 75 |
| FXV3-1224-30T-30 | 428 | 30 |
| FXV3-1224-30T-40 | 465 | 40 |
| FXV3-1224-30T-50 | 497 | 50 |
| FXV3-1224-30T-60 | 521 | 60 |
| FXV3-1224-30T-75 | 553 | 75 |
| FXV3-1224-32D-40 | 502 | 40 |
| FXV3-1224-32D-50 | 534 | 50 |
| FXV3-1224-32D-60 | 562 | 60 |
| FXV3-1224-32D-75 | 598 | 75 |

| Model Number | Nominal Tons ⁽¹⁾ | Fan HP |
|-------------------|-----------------------------|--------|
| FXV3-1224-32Q-30 | 420 | 30 |
| FXV3-1224-32Q-40 | 458 | 40 |
| FXV3-1224-32Q-50 | 489 | 50 |
| FXV3-1224-32Q-60 | 513 | 60 |
| FXV3-1224-32Q-75 | 545 | 75 |
| FXV3-1224-36D-40 | 520 | 40 |
| FXV3-1224-36D-50 | 557 | 50 |
| FXV3-1224-36D-60 | 586 | 60 |
| FXV3-1224-36D-75 | 625 | 75 |
| FXV3-1224-36T-40 | 500 | 40 |
| FXV3-1224-36T-50 | 535 | 50 |
| FXV3-1224-36T-60 | 562 | 60 |
| FXV3-1224-36T-75 | 598 | 75 |
| FXV3-1224-36Q-40 | 480 | 40 |
| FXV3-1224-36Q-50 | 513 | 50 |
| FXV3-1224-36Q-60 | 539 | 60 |
| FXV3-1224-36Q-75 | 574 | 75 |
| FXV3-1426-20D-40 | 502 | 40 |
| FXV3-1426-20D-50 | 528 | 50 |
| FXV3-1426-20D-60 | 550 | 60 |
| FXV3-1426-20D-75 | 577 | 75 |
| FXV3-1426-20D-100 | 600 | 100 |
| FXV3-1426-24D-40 | 537 | 40 |
| FXV3-1426-24D-50 | 567 | 50 |
| FXV3-1426-24D-60 | 591 | 60 |
| FXV3-1426-24D-75 | 622 | 75 |
| FXV3-1426-24D-100 | 653 | 100 |
| FXV3-1426-24T-40 | 499 | 40 |
| FXV3-1426-24T-50 | 526 | 50 |
| FXV3-1426-24T-60 | 549 | 60 |
| FXV3-1426-24T-75 | 578 | 75 |
| FXV3-1426-24T-100 | 612 | 100 |
| FXV3-1426-24Q-40 | 476 | 40 |
| FXV3-1426-24Q-50 | 502 | 50 |
| FXV3-1426-24Q-60 | 523 | 60 |
| FXV3-1426-24Q-75 | 550 | 75 |
| FXV3-1426-24Q-100 | 583 | 100 |

| Model Number | Nominal Tons ⁽¹⁾ | Fan HP |
|-------------------|-----------------------------|--------|
| FXV3-1426-28D-40 | 557 | 40 |
| FXV3-1426-28D-50 | 591 | 50 |
| FXV3-1426-28D-60 | 618 | 60 |
| FXV3-1426-28D-75 | 651 | 75 |
| FXV3-1426-28D-100 | 694 | 100 |
| FXV3-1426-30T-40 | 549 | 40 |
| FXV3-1426-30T-50 | 581 | 50 |
| FXV3-1426-30T-60 | 608 | 60 |
| FXV3-1426-30T-75 | 641 | 75 |
| FXV3-1426-30T-100 | 684 | 100 |
| FXV3-1426-32D-50 | 621 | 50 |
| FXV3-1426-32D-60 | 651 | 60 |
| FXV3-1426-32D-75 | 685 | 75 |
| FXV3-1426-32D-100 | 732 | 100 |
| FXV3-1426-32Q-40 | 543 | 40 |
| FXV3-1426-32Q-50 | 575 | 50 |
| FXV3-1426-32Q-60 | 602 | 60 |
| FXV3-1426-32Q-75 | 635 | 75 |
| FXV3-1426-32Q-100 | 679 | 100 |
| FXV3-1426-36D-50 | 648 | 50 |
| FXV3-1426-36D-60 | 679 | 60 |
| FXV3-1426-36D-75 | 716 | 75 |
| FXV3-1426-36D-100 | 765 | 100 |
| FXV3-1426-36T-50 | 625 | 50 |
| FXV3-1426-36T-60 | 654 | 60 |
| FXV3-1426-36T-75 | 690 | 75 |
| FXV3-1426-36T-100 | 738 | 100 |
| FXV3-1426-36Q-50 | 604 | 50 |
| FXV3-1426-36Q-60 | 633 | 60 |
| FXV3-1426-36Q-75 | 668 | 75 |
| FXV3-1426-36Q-100 | 713 | 100 |

FXV3 Performance Data

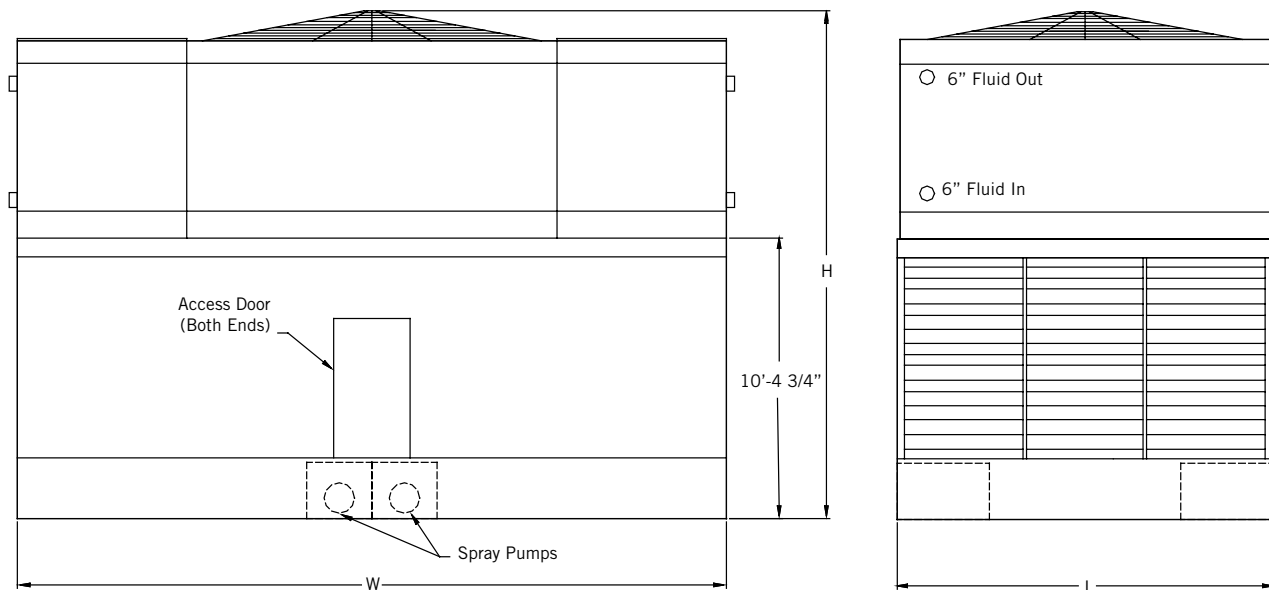
| Model Number | Nominal Tons ⁽¹⁾ | Fan HP |
|------------------|-----------------------------|--------|
| FXV3-1224-20D-10 | 278 | 10 |
| FXV3-1224-20D-15 | 314 | 15 |
| FXV3-1224-20D-20 | 359 | 20 |
| FXV3-1224-24D-10 | 293 | 10 |
| FXV3-1224-24D-15 | 338 | 15 |
| FXV3-1224-24D-20 | 376 | 20 |
| FXV3-1224-24D-25 | 401 | 25 |
| FXV3-1224-24T-10 | 281 | 10 |
| FXV3-1224-24T-15 | 320 | 15 |
| FXV3-1224-24T-20 | 354 | 20 |
| FXV3-1224-24Q-10 | 268 | 10 |
| FXV3-1224-24Q-15 | 306 | 15 |
| FXV3-1224-24Q-20 | 335 | 20 |
| FXV3-1224-28D-10 | 301 | 10 |
| FXV3-1224-28D-15 | 348 | 15 |
| FXV3-1224-28D-20 | 385 | 20 |
| FXV3-1224-28D-25 | 414 | 25 |
| FXV3-1224-30T-10 | 296 | 10 |
| FXV3-1224-30T-15 | 342 | 15 |
| FXV3-1224-30T-20 | 377 | 20 |
| FXV3-1224-30T-25 | 404 | 25 |
| FXV3-1224-32D-10 | 312 | 10 |
| FXV3-1224-32D-15 | 362 | 15 |
| FXV3-1224-32D-20 | 401 | 20 |
| FXV3-1224-32D-25 | 431 | 25 |
| FXV3-1224-32D-30 | 459 | 30 |
| FXV3-1224-32Q-10 | 292 | 10 |
| FXV3-1224-32Q-15 | 337 | 15 |
| FXV3-1224-32Q-20 | 370 | 20 |
| FXV3-1224-32Q-25 | 397 | 25 |

| Model Number | Nominal Tons ⁽¹⁾ | Fan HP |
|------------------|-----------------------------|--------|
| FXV3-1224-36D-10 | 320 | 10 |
| FXV3-1224-36D-15 | 373 | 15 |
| FXV3-1224-36D-20 | 415 | 20 |
| FXV3-1224-36D-25 | 447 | 25 |
| FXV3-1224-36D-30 | 476 | 30 |
| FXV3-1224-36T-10 | 311 | 10 |
| FXV3-1224-36T-15 | 361 | 15 |
| FXV3-1224-36T-20 | 400 | 20 |
| FXV3-1224-36T-25 | 430 | 25 |
| FXV3-1224-36T-30 | 457 | 30 |
| FXV3-1224-36Q-10 | 303 | 10 |
| FXV3-1224-36Q-15 | 348 | 15 |
| FXV3-1224-36Q-20 | 386 | 20 |
| FXV3-1224-36Q-25 | 414 | 25 |
| FXV3-1224-36Q-30 | 441 | 30 |
| FXV3-1426-20D-15 | 369 | 15 |
| FXV3-1426-20D-20 | 400 | 20 |
| FXV3-1426-20D-25 | 449 | 25 |
| FXV3-1426-20D-30 | 469 | 30 |
| FXV3-1426-24D-15 | 398 | 15 |
| FXV3-1426-24D-20 | 431 | 20 |
| FXV3-1426-24D-25 | 476 | 25 |
| FXV3-1426-24D-30 | 499 | 30 |
| FXV3-1426-24T-15 | 378 | 15 |
| FXV3-1426-24T-20 | 411 | 20 |
| FXV3-1426-24T-25 | 443 | 25 |
| FXV3-1426-24T-30 | 464 | 30 |
| FXV3-1426-24Q-15 | 363 | 15 |
| FXV3-1426-24Q-20 | 394 | 20 |
| FXV3-1426-24Q-25 | 423 | 25 |
| FXV3-1426-24Q-30 | 443 | 30 |

| Model Number | Nominal Tons ⁽¹⁾ | Fan HP |
|------------------|-----------------------------|--------|
| FXV3-1426-28D-15 | 418 | 15 |
| FXV3-1426-28D-20 | 459 | 20 |
| FXV3-1426-28D-25 | 490 | 25 |
| FXV3-1426-28D-30 | 516 | 30 |
| FXV3-1426-30T-15 | 412 | 15 |
| FXV3-1426-30T-20 | 451 | 20 |
| FXV3-1426-30T-25 | 481 | 25 |
| FXV3-1426-30T-30 | 507 | 30 |
| FXV3-1426-32D-15 | 435 | 15 |
| FXV3-1426-32D-20 | 478 | 20 |
| FXV3-1426-32D-25 | 513 | 25 |
| FXV3-1426-32D-30 | 541 | 30 |
| FXV3-1426-32D-40 | 586 | 40 |
| FXV3-1426-32Q-15 | 407 | 15 |
| FXV3-1426-32Q-20 | 445 | 20 |
| FXV3-1426-32Q-25 | 476 | 25 |
| FXV3-1426-32Q-30 | 502 | 30 |
| FXV3-1426-36D-15 | 449 | 15 |
| FXV3-1426-36D-20 | 496 | 20 |
| FXV3-1426-36D-25 | 532 | 25 |
| FXV3-1426-36D-30 | 562 | 30 |
| FXV3-1426-36D-40 | 609 | 40 |
| FXV3-1426-36T-15 | 436 | 15 |
| FXV3-1426-36T-20 | 479 | 20 |
| FXV3-1426-36T-25 | 514 | 25 |
| FXV3-1426-36T-30 | 542 | 30 |
| FXV3-1426-36T-40 | 586 | 40 |
| FXV3-1426-36Q-15 | 422 | 15 |
| FXV3-1426-36Q-20 | 447 | 20 |
| FXV3-1426-36Q-25 | 497 | 25 |
| FXV3-1426-36Q-30 | 525 | 30 |
| FXV3-1426-36Q-40 | 568 | 40 |

FXV3 Engineering Data

| Model Number | Motor HP | Weights (lbs) | | | Dimensions | | | Spray Pump (USGPM) | Internal Coil Volume (gal) | | | | |
|-------------------|----------|--------------------------|----------|------------------|------------|--------|---------|--------------------|----------------------------|--------|---------|-------|-----|
| | Pump | Operating ⁽²⁾ | Shipping | Heaviest Section | L | W | H | | | | | | |
| FXV3-1224-20D-XXX | (2) 7.5 | 56,315 | 33,170 | 11,790 | 11'-11" | 24'-1" | 18'-11" | 1,900 | 585 | | | | |
| FXV3-1224-24D-XXX | | 59,170 | 35,060 | 11,790 | | | 18'-11" | | 702 | | | | |
| FXV3-1224-24T-XXX | | 59,170 | 35,050 | 11,790 | | | 18'-11" | | 702 | | | | |
| FXV3-1224-24Q-XXX | | 59,725 | 35,310 | 11,790 | | | 18'-11" | | 738 | | | | |
| FXV3-1224-28D-XXX | | 62,625 | 37,625 | 11,790 | | | 20'-7" | | 808 | | | | |
| FXV3-1224-30T-XXX | | 65,215 | 39,325 | 11,790 | | | 20'-7" | | 915 | | | | |
| FXV3-1224-32D-XXX | | 65,425 | 39,475 | 11,790 | | | 20'-7" | | 922 | | | | |
| FXV3-1224-32Q-XXX | | 66,960 | 40,375 | 11,790 | | | 20'-7" | | 998 | | | | |
| FXV3-1224-36D-XXX | | 68,210 | 41,315 | 11,870 | | | 20'-7" | | 1,035 | | | | |
| FXV3-1224-36T-XXX | | 68,355 | 41,405 | 11,915 | | | 20'-7" | | 1,042 | | | | |
| FXV3-1224-36Q-XXX | | 67,990 | 41,055 | 11,790 | | | 20'-7" | | 1,040 | | | | |
| FXV3-1426-20D-XXX | | (2) 7.5 | 67,700 | 37,420 | | | 13,180 | | 14'-0" | 26'-4" | 19'-10" | 1,900 | 686 |
| FXV3-1426-24D-XXX | | | 71,060 | 39,640 | | | 13,180 | | | | 19'-10" | | 823 |
| FXV3-1426-24T-XXX | 71,085 | | 39,650 | 13,180 | 19'-10" | 825 | | | | | | | |
| FXV3-1426-24Q-XXX | 71,610 | | 39,890 | 13,180 | 19'-10" | 859 | | | | | | | |
| FXV3-1426-28D-XXX | 75,020 | | 42,530 | 13,180 | 21'-7" | 951 | | | | | | | |
| FXV3-1426-30T-XXX | 78,040 | | 44,520 | 13,180 | 21'-7" | 1,075 | | | | | | | |
| FXV3-1426-32D-XXX | 78,315 | | 44,710 | 13,180 | 21'-7" | 1,085 | | | | | | | |
| FXV3-1426-32Q-XXX | 80,065 | | 45,750 | 13,180 | 21'-7" | 1,170 | | | | | | | |
| FXV3-1426-36D-XXX | 81,615 | | 46,890 | 13,620 | 21'-7" | 1,219 | | | | | | | |
| FXV3-1426-36T-XXX | 81,795 | | 47,000 | 13,675 | 21'-7" | 1,227 | | | | | | | |
| FXV3-1426-36Q-XXX | 81,290 | | 46,560 | 13,455 | 21'-7" | 1,219 | | | | | | | |



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. Operating weight is for the unit with the water level in the cold water basin at the overflow and a full coil.
3. The actual size of the inlet and outlet connection may vary with the design flow rate. Consult unit print for dimensions.
4. Standard coil inlet and outlet connections are beveled for welding.
5. Models with Low Sound Fans may have heights up to 10 1/2" greater than shown.
6. Standard make-up, drain, and overflow connections are located on the bottom of the unit. Make-up connection is 1 1/2" MPT standpipe, drain is 2" FPT, and overflow is 3" FPT.
7. For all models the riser pipe diameter is 6".

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

FXV3 Engineering Data

HEAT LOSS DATA (BTUH)

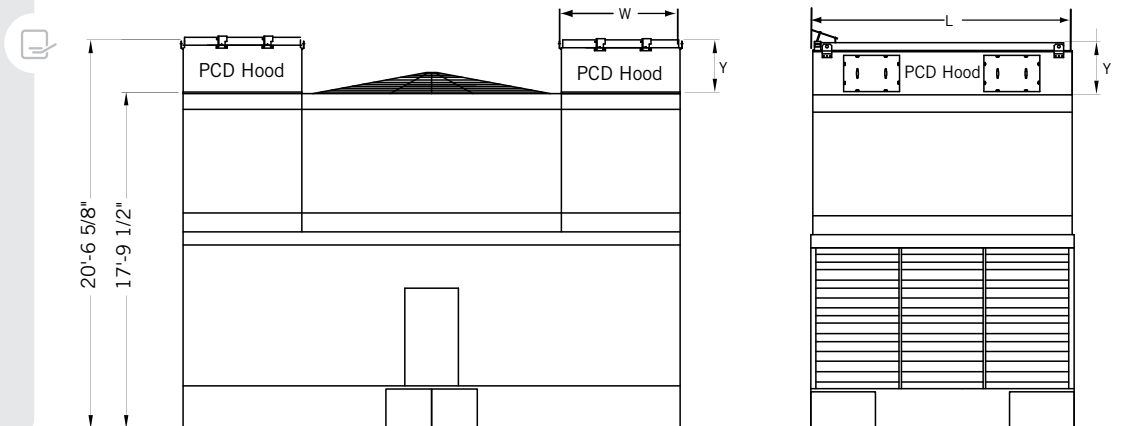
| Model Number | Standard Unit | Unit with PCD Hood | Unit with PCD Hood and Insulation |
|------------------|---------------|--------------------|-----------------------------------|
| FXV3-1224-20D-xx | 792,606 | 208,434 | 173,763 |
| FXV3-1224-24D-xx | 899,090 | 205,427 | 171,256 |
| FXV3-1224-24T-xx | 915,201 | 212,156 | 176,866 |
| FXV3-1224-24Q-xx | 938,656 | 215,384 | 179,557 |
| FXV3-1224-30T-xx | 1,135,020 | 244,392 | 197,682 |
| FXV3-1224-32D-xx | 1,115,917 | 234,489 | 189,671 |
| FXV3-1224-32Q-xx | 1,201,698 | 248,502 | 201,006 |
| FXV3-1224-36D-xx | 1,202,457 | 231,613 | 187,345 |
| FXV3-1224-36T-xx | 1,237,100 | 242,150 | 195,868 |
| FXV3-1224-36Q-xx | 1,236,005 | 247,939 | 200,551 |
| FXV3-1426-20D-xx | 915,125 | 227,892 | 193,913 |
| FXV3-1426-24D-xx | 1,037,587 | 224,047 | 190,641 |
| FXV3-1426-24T-xx | 1,060,647 | 232,678 | 197,986 |
| FXV3-1426-24Q-xx | 1,085,827 | 236,913 | 201,589 |
| FXV3-1426-30T-xx | 1,312,863 | 267,264 | 220,448 |
| FXV3-1426-32D-xx | 1,286,958 | 254,520 | 209,936 |
| FXV3-1426-32Q-xx | 1,392,742 | 272,565 | 224,820 |
| FXV3-1426-36D-xx | 1,386,028 | 250,858 | 206,915 |
| FXV3-1426-36T-xx | 1,432,479 | 264,344 | 218,039 |
| FXV3-1426-36Q-xx | 1,432,560 | 271,840 | 224,221 |

DIMENSIONAL DATA OF POSITIVE CLOSURE DAMPER HOOD

| Model Number | Hood Shipping Weight (lbs) ³⁾ | Hood Operating Weight (lbs) | Length (L) | Width (W) | Height (Y) |
|--------------|--|-----------------------------|-------------|-----------|------------|
| FXV3-1224 | 1,300 | 1,040 | 11'-11" | 6'-3 3/8" | 2'-9 1/8" |
| FXV3-1426 | 1,500 | 1,200 | 13'-11 1/8" | | |

NOTES:

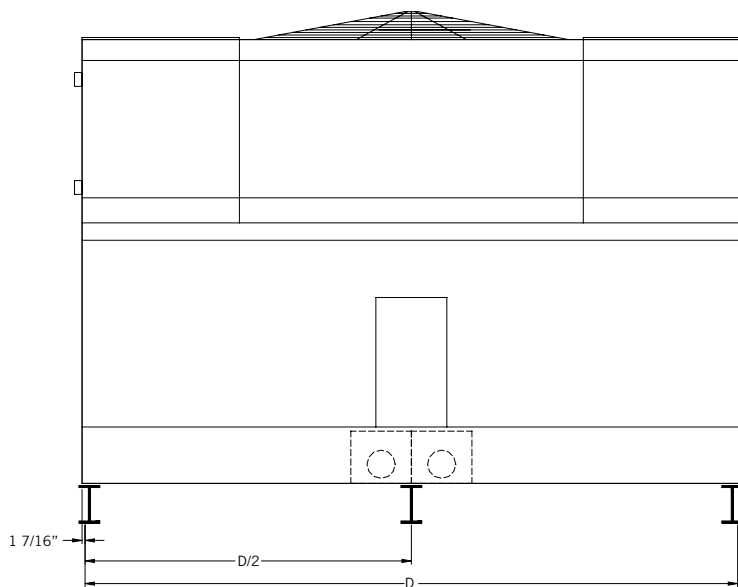
- Heat Loss based on 50°F entering coil water and -10°F ambient with 45 MPH wind (fans and pumps off).
- One inch thick PVC nitrate rubber blend thermal insulation on both the PCD hood and the casing panels surrounding the coil.
- Hood shipping weight includes shipping skid weight.



Air Intake End

FXV3 Structural Support

The recommended support arrangement for FXV3 Closed Circuit Cooling Towers consists of parallel structural members positioned as shown on the drawings. In addition to providing adequate support, the members also serve to raise the unit above any solid foundation to ensure access to the bottom of the tower. To support an FXV3 on columns or in an alternate arrangement not shown here, consult your local BAC Representative.



STRUCTURAL SUPPORT

| Model Number | D |
|---------------|------------|
| FXV3-1224-XXX | 23'-9 1/8" |
| FXV3-1426-XXX | 26'-0 5/8" |



NOTES:

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



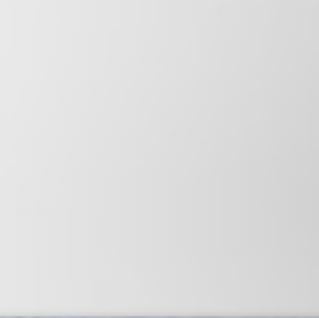
Only the Best Materials

Every Project, Every Budget

Pages H2 - H6



TriArmor[®]
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**Stainless
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