



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR HCAI SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

**APPLICATION #: OSP-0473**

**HCAI Special Seismic Certification Preapproval (OSP)**

Type:  New  Renewal

**Manufacturer Information**

Manufacturer: Baltimore Aircoil Company

Manufacturer's Technical Representative: David Wu

Mailing Address: 7600 Dorsey Run Road, Jessup, MD 20794

Telephone: (410) 799-6533

Email: dwu@baltimoreaircoil.com

**Product Information**

Product Name: Cooling Towers

Product Type: NA

Product Model Number: See attachment

General Description: Galvanized carbon steel or stainless steel structural frame and cold water basin, with various access and accessories options, coils, motors, fans, pumps, and basin heaters.

Mounting Description: Both rigid and vibration spring isolated base mounted, Floor Mounted

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

**Applicant Information**

Applicant Company Name: The VMC Group

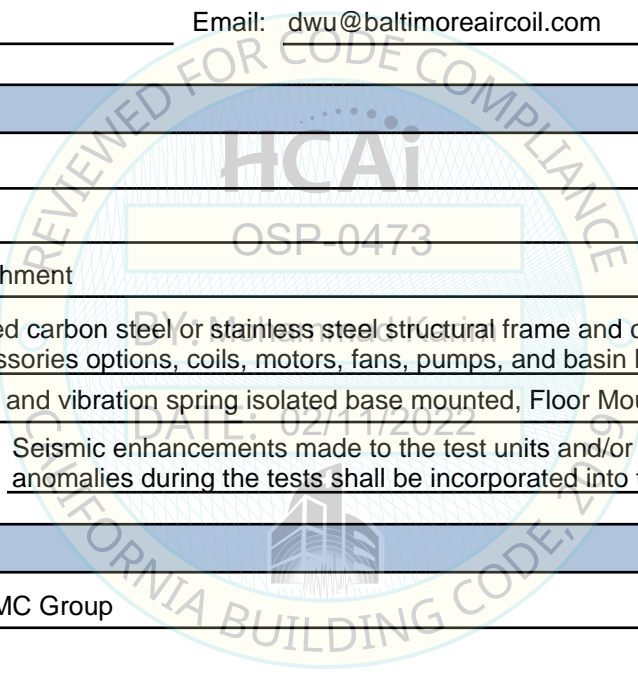
Contact Person: Cheryl Matthews

Mailing Address: 113 Main Street, Bloomingdale, NJ 07403

Telephone: (973) 838-1780

Email: john.giuliano@thvmcgroup.com

Title: President





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**California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)**

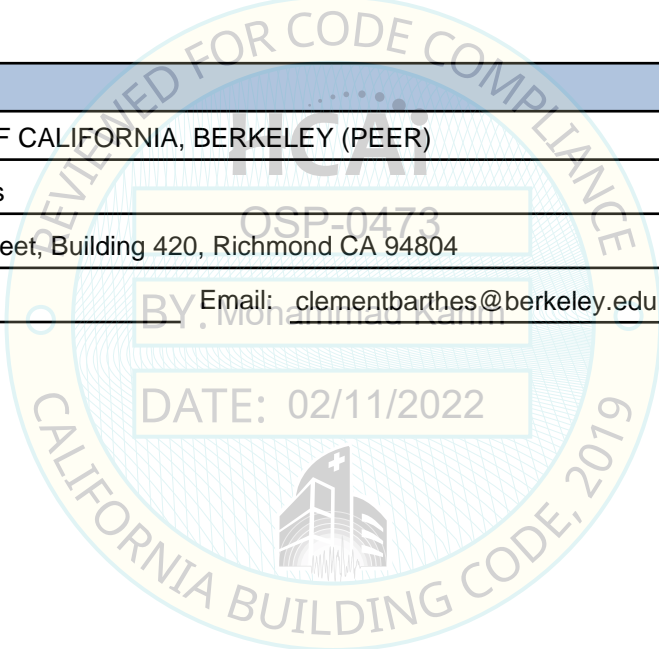
Company Name: THE VMC GROUP  
Name: Kenneth Tarlow California License Number: S2851  
Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814  
Telephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com

**Certification Method**

GR-63-Core       ICC-ES AC156       IEEE 344       IEEE 693       NEBS 3  
 Other (Please Specify): \_\_\_\_\_

**Testing Laboratory**

Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)  
Contact Person: Clement Barthes  
Mailing Address: 1301 S. 46th Street, Building 420, Richmond CA 94804  
Telephone: (510) 665-3409 Email: clementbarthes@berkeley.edu





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**Seismic Parameters**

Design Basis of Equipment or Components ( $F_p/W_p$ ) = Isolated [3.38 (z/h=1) & 1.88 (z/h=0)], Rigid [2.25 (z/h=1) & 1.25 (z/h=0)]

SDS (Design spectral response acceleration at short period, g) = 1.50 (z/h=1) & 2.50 (z/h=0)

$a_p$  (Amplification factor) = 2.5

$R_p$  (Response modification factor) = 2.0(Isolated) & 3.0 (Rigid)

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

z/h (Height ratio factor) = 1 and 0

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

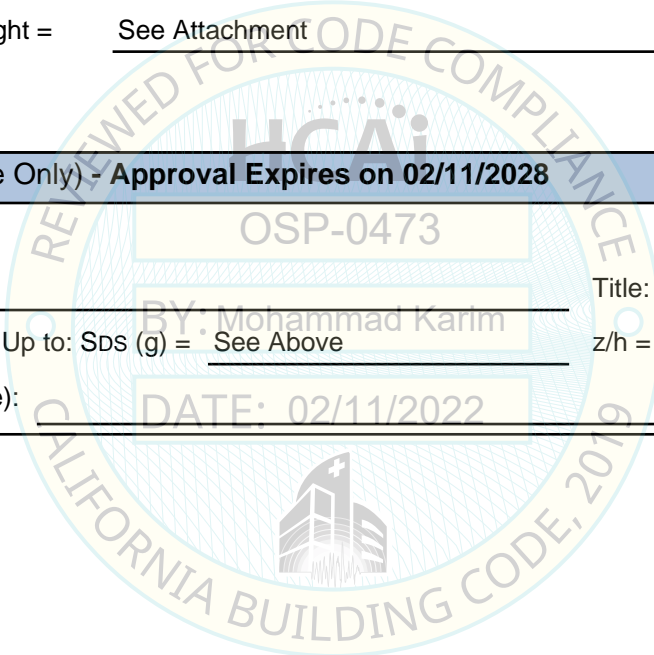
**HCAI Approval (For Office Use Only) - Approval Expires on 02/11/2028**

Date: 2/11/2022

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h = See Above

Condition of Approval (if applicable): DATE: 02/11/2022



# Table 1 - Certified Components: FXV Units

Base FXV Model No. <sup>1</sup> [Baltimore Aircoil Company]	GPM @ 95/85/78	Base Unit Dimensions <sup>2</sup> [ in ]			Operating Weight <sup>3</sup> [ lb ]	Mounting Configuration	UUT
		Width	Length	Height			
FXV-0806A-12D-G	88	101.8	89.8	150.3	7,799	Rigid / Isolated	Extrapolated
FXV-0806A-12D-H	99	101.8	89.8	150.3	7,809	Rigid / Isolated	Extrapolated
FXV-0806A-12D-J	108	101.8	89.8	150.3	7,862	Rigid / Isolated	Extrapolated
FXV-0806A-12D-K	115	101.8	89.8	150.3	7,877	Rigid / Isolated	Extrapolated
FXV-0806A-16D-G	105	101.8	89.8	150.3	8,213	Rigid / Isolated	Extrapolated
FXV-0806A-16D-H	119	101.8	89.8	150.3	8,224	Rigid / Isolated	Extrapolated
FXV-0806A-16D-J	131	101.8	89.8	150.3	8,276	Rigid / Isolated	Extrapolated
FXV-0806A-16D-K	140	101.8	89.8	150.3	8,292	Rigid / Isolated	Extrapolated
FXV-0806A-20D-G	118	101.8	89.8	150.3	8,629	Rigid / Isolated	Extrapolated
FXV-0806A-20D-H	134	101.8	89.8	150.3	8,639	Rigid / Isolated	Extrapolated
FXV-0806A-20D-J	148	101.8	89.8	150.3	8,692	Rigid / Isolated	Extrapolated
FXV-0806A-20D-K	159	101.8	89.8	150.3	8,708	Rigid / Isolated	Extrapolated
FXV-0806A-24D-G	134	101.8	89.8	184.9	9,599	Rigid / Isolated	Extrapolated
FXV-0806A-24D-H	155	101.8	89.8	184.9	9,610	Rigid / Isolated	Extrapolated
FXV-0806A-24D-J	173	101.8	89.8	184.9	9,662	Rigid / Isolated	Extrapolated
FXV-0806A-24D-K	187	101.8	89.8	184.9	9,678	Rigid / Isolated	Extrapolated
FXV-0806B-12D-G	101	101.8	89.8	182.3	8,227	Rigid / Isolated	Extrapolated
FXV-0806B-12D-H	113	101.8	89.8	182.3	8,237	Rigid / Isolated	Extrapolated
FXV-0806B-12D-J	122	101.8	89.8	182.3	8,290	Rigid / Isolated	Extrapolated
FXV-0806B-12D-K	130	101.8	89.8	182.3	8,306	Rigid / Isolated	Extrapolated
FXV-0806B-12D-L	138	101.8	89.8	182.3	8,450	Rigid / Isolated	Extrapolated
FXV-0806B-16D-G	122	101.8	89.8	182.3	8,642	Rigid / Isolated	Extrapolated
FXV-0806B-16D-H	137	101.8	89.8	182.3	8,652	Rigid / Isolated	Extrapolated
FXV-0806B-16D-J	150	101.8	89.8	182.3	8,705	Rigid / Isolated	Extrapolated
FXV-0806B-16D-K	159	101.8	89.8	182.3	8,720	Rigid / Isolated	Extrapolated
FXV-0806B-16D-L	170	101.8	89.8	182.3	8,865	Rigid / Isolated	Extrapolated
FXV-0806B-20D-G	136	101.8	89.8	182.3	9,057	Rigid / Isolated	Extrapolated
FXV-0806B-20D-H	154	101.8	89.8	182.3	9,068	Rigid / Isolated	Extrapolated
FXV-0806B-20D-J	169	101.8	89.8	182.3	9,120	Rigid / Isolated	Extrapolated
FXV-0806B-20D-K	180	101.8	89.8	182.3	9,136	Rigid / Isolated	Extrapolated
FXV-0806B-20D-L	193	101.8	89.8	182.3	9,281	Rigid / Isolated	Extrapolated
FXV-0806B-24D-G	157	101.8	89.8	216.9	10,028	Rigid / Isolated	Extrapolated
FXV-0806B-24D-H	180	101.8	89.8	216.9	10,038	Rigid / Isolated	Extrapolated
FXV-0806B-24D-J	200	101.8	89.8	216.9	10,091	Rigid / Isolated	Extrapolated
FXV-0806B-24D-K	215	101.8	89.8	216.9	10,106	Rigid / Isolated	Extrapolated
FXV-0806B-24D-L	232	101.8	89.8	216.9	10,251	Rigid / Isolated	Extrapolated
FXV-0806B-28D-G	166	101.8	89.8	216.9	10,443	Rigid / Isolated	Extrapolated
FXV-0806B-28D-H	191	101.8	89.8	216.9	10,453	Rigid / Isolated	Extrapolated
FXV-0806B-28D-J	213	101.8	89.8	216.9	10,506	Rigid / Isolated	Extrapolated
FXV-0806B-28D-K	229	101.8	89.8	216.9	10,521	Rigid / Isolated	Extrapolated
FXV-0806B-28D-L	247	101.8	89.8	216.9	10,666	Rigid / Isolated	Extrapolated
FXV-0806B-32D-G	174	101.8	89.8	216.9	10,858	Rigid / Isolated	Extrapolated
FXV-0806B-32D-H	200	101.8	89.8	216.9	10,869	Rigid / Isolated	Extrapolated
FXV-0806B-32D-J	223	101.8	89.8	216.9	10,921	Rigid / Isolated	Extrapolated
FXV-0806B-32D-K	240	101.8	89.8	216.9	10,937	Rigid / Isolated	Extrapolated
FXV-0806B-32D-L	260	101.8	89.8	216.9	11,082	Rigid / Isolated	Extrapolated
FXV-0806B-36D-G	179	101.8	89.8	216.9	11,274	Rigid / Isolated	Extrapolated

Notes:

<sup>1</sup>Actual model numbers may include suffixes to indicate options or accessories

<sup>2</sup>Base unit dimensions do not include access options or accessories

<sup>3</sup>Operating weight values do not include access options or accessories

<sup>4</sup>Overall dimensions of tested units include accessories



### Table 1 - Certified Components: FXV Units (Continued)

Base FXV Model No. <sup>1</sup> [Baltimore Aircoil Company]	GPM @ 95/85/78	Base Unit Dimensions <sup>2</sup> [ in ]			Operating Weight <sup>3</sup> [ lb ]	Mounting Configuration	UUT
		Width	Length	Height			
FXV-0806B-36D-H	207	101.8	89.8	216.9	11,284	Rigid / Isolated	Extrapolated
FXV-0806B-36D-J	231	101.8	89.8	216.9	11,337	Rigid / Isolated	Extrapolated
FXV-0806B-36D-K	249	101.8	89.8	216.9	11,352	Rigid / Isolated	Extrapolated
FXV-0806B-36D-L	270	101.8	89.8	216.9	11,497	Rigid / Isolated	Extrapolated
FXV-0809A-12D-G	145	101.8	131.8	148.3	11,267	Rigid / Isolated	Extrapolated
FXV-0809A-12D-H	165	101.8	131.8	148.3	11,277	Rigid / Isolated	Extrapolated
FXV-0809A-12D-J	182	101.8	131.8	148.3	11,330	Rigid / Isolated	Extrapolated
FXV-0809A-12D-K	195	101.8	131.8	148.3	11,345	Rigid / Isolated	Extrapolated
FXV-0809A-12D-L	214	101.8	131.8	148.3	11,477	Rigid / Isolated	Extrapolated
FXV-0809A-16D-G	163	101.8	131.8	148.3	11,889	Rigid / Isolated	Extrapolated
FXV-0809A-16D-H	187	101.8	131.8	148.3	11,899	Rigid / Isolated	Extrapolated
FXV-0809A-16D-J	208	101.8	131.8	148.3	11,952	Rigid / Isolated	Extrapolated
FXV-0809A-16D-K	224	101.8	131.8	148.3	11,967	Rigid / Isolated	Extrapolated
FXV-0809A-16D-L	247	101.8	131.8	148.3	12,099	Rigid / Isolated	Extrapolated
FXV-0809A-20D-G	176	101.8	131.8	148.3	12,511	Rigid / Isolated	Extrapolated
FXV-0809A-20D-H	203	101.8	131.8	148.3	12,521	Rigid / Isolated	Extrapolated
FXV-0809A-20D-J	227	101.8	131.8	148.3	12,574	Rigid / Isolated	Extrapolated
FXV-0809A-20D-K	245	101.8	131.8	148.3	12,590	Rigid / Isolated	Extrapolated
FXV-0809A-20D-L	271	101.8	131.8	148.3	12,721	Rigid / Isolated	Extrapolated
FXV-0809A-24T-G	181	101.8	131.8	182.9	14,062	Rigid / Isolated	Extrapolated
FXV-0809A-24T-H	210	101.8	131.8	182.9	14,072	Rigid / Isolated	Extrapolated
FXV-0809A-24T-J	236	101.8	131.8	182.9	14,125	Rigid / Isolated	Extrapolated
FXV-0809A-24T-K	256	101.8	131.8	182.9	14,141	Rigid / Isolated	Extrapolated
FXV-0809A-24T-L	287	101.8	131.8	182.9	14,272	Rigid / Isolated	Extrapolated
FXV-0809B-16D-G	188	101.8	131.8	180.3	12,672	Rigid / Isolated	Extrapolated
FXV-0809B-16D-H	215	101.8	131.8	180.3	12,683	Rigid / Isolated	Extrapolated
FXV-0809B-16D-J	237	101.8	131.8	180.3	12,735	Rigid / Isolated	Extrapolated
FXV-0809B-16D-K	254	101.8	131.8	180.3	12,751	Rigid / Isolated	Extrapolated
FXV-0809B-16D-L	279	101.8	131.8	180.3	12,882	Rigid / Isolated	Extrapolated
FXV-0809B-16D-M	297	101.8	131.8	180.3	12,945	Rigid / Isolated	Extrapolated
FXV-0809B-20D-G	204	101.8	131.8	180.3	13,295	Rigid / Isolated	Extrapolated
FXV-0809B-20D-H	234	101.8	131.8	180.3	13,305	Rigid / Isolated	Extrapolated
FXV-0809B-20D-J	260	101.8	131.8	180.3	13,358	Rigid / Isolated	Extrapolated
FXV-0809B-20D-K	279	101.8	131.8	180.3	13,374	Rigid / Isolated	Extrapolated
FXV-0809B-20D-L	308	101.8	131.8	180.3	13,505	Rigid / Isolated	Extrapolated
FXV-0809B-20D-M	329	101.8	131.8	180.3	13,568	Rigid / Isolated	Extrapolated
FXV-0809B-24D-G	227	101.8	131.8	214.9	14,645	Rigid / Isolated	Extrapolated
FXV-0809B-24D-H	264	101.8	131.8	214.9	14,656	Rigid / Isolated	Extrapolated
FXV-0809B-24D-J	296	101.8	131.8	214.9	14,708	Rigid / Isolated	Extrapolated
FXV-0809B-24D-K	321	101.8	131.8	214.9	14,724	Rigid / Isolated	Extrapolated
FXV-0809B-24D-L	357	101.8	131.8	214.9	14,855	Rigid / Isolated	Extrapolated
FXV-0809B-24D-M	385	101.8	131.8	214.9	14,918	Rigid / Isolated	Extrapolated
FXV-0809B-24T-G	212	101.8	131.8	214.9	14,862	Rigid / Isolated	Extrapolated
FXV-0809B-24T-H	245	101.8	131.8	214.9	14,872	Rigid / Isolated	Extrapolated
FXV-0809B-24T-J	274	101.8	131.8	214.9	14,925	Rigid / Isolated	Extrapolated
FXV-0809B-24T-K	296	101.8	131.8	214.9	14,941	Rigid / Isolated	Extrapolated
FXV-0809B-24T-L	329	101.8	131.8	214.9	15,072	Rigid / Isolated	Extrapolated

Notes:

<sup>1</sup>Actual model numbers may include suffixes to indicate options or accessories

<sup>2</sup>Base unit dimensions do not include access options or accessories

<sup>3</sup>Operating weight values do not include access options or accessories

<sup>4</sup>Overall dimensions of tested units include accessories

**Table 1 - Certified Components: FXV Units (Continued)**

Base FXV Model No. <sup>1</sup> [Baltimore Aircoil Company]	GPM @ 95/85/78	Base Unit Dimensions <sup>2</sup> [ in ]			Operating Weight <sup>3</sup> [ lb ]	Mounting Configuration	UUT
		Width	Length	Height			
FXV-0809B-24T-M	353	101.8	131.8	214.9	15,135	Rigid / Isolated	Extrapolated
FXV-0809B-28D-G	235	101.8	131.8	214.9	15,267	Rigid / Isolated	Extrapolated
FXV-0809B-28D-H	275	101.8	131.8	214.9	15,278	Rigid / Isolated	Extrapolated
FXV-0809B-28D-J	310	101.8	131.8	214.9	15,330	Rigid / Isolated	Extrapolated
FXV-0809B-28D-K	336	101.8	131.8	214.9	15,346	Rigid / Isolated	Extrapolated
FXV-0809B-28D-L	376	101.8	131.8	214.9	15,477	Rigid / Isolated	Extrapolated
FXV-0809B-28D-M	405	101.8	131.8	214.9	15,540	Rigid / Isolated	Extrapolated
FXV-0809B-30T-G	227	101.8	131.8	214.9	15,851	Rigid / Isolated	Extrapolated
FXV-0809B-30T-H	264	101.8	131.8	214.9	15,862	Rigid / Isolated	Extrapolated
FXV-0809B-30T-J	297	101.8	131.8	214.9	15,914	Rigid / Isolated	Extrapolated
FXV-0809B-30T-K	321	101.8	131.8	214.9	15,930	Rigid / Isolated	Extrapolated
FXV-0809B-30T-L	358	101.8	131.8	214.9	16,061	Rigid / Isolated	Extrapolated
FXV-0809B-30T-M	386	101.8	131.8	214.9	16,124	Rigid / Isolated	Extrapolated
FXV-0809B-32D-G	242	101.8	131.8	214.9	15,890	Rigid / Isolated	Extrapolated
FXV-0809B-32D-H	284	101.8	131.8	214.9	15,900	Rigid / Isolated	Extrapolated
FXV-0809B-32D-J	321	101.8	131.8	214.9	15,953	Rigid / Isolated	Extrapolated
FXV-0809B-32D-K	348	101.8	131.8	214.9	15,969	Rigid / Isolated	Extrapolated
FXV-0809B-32D-L	390	101.8	131.8	214.9	16,100	Rigid / Isolated	Extrapolated
FXV-0809B-32D-M	421	101.8	131.8	214.9	16,163	Rigid / Isolated	Extrapolated
FXV-0809B-36D-G	252	101.8	131.8	214.9	16,512	Rigid / Isolated	Extrapolated
FXV-0809B-36D-H	297	101.8	131.8	214.9	16,523	Rigid/Isolated	Extrapolated
<b>FXV-0809B-36D-H</b>	<b>297</b>	<b>164.6</b>	<b>170.5</b>	<b>239.0</b>	<b>15,720</b>	<b>Rigid</b>	<b>UUT-1A<sup>4</sup></b>
FXV-0809B-36D-J	336	101.8	131.8	214.9	16,575	Rigid / Isolated	Interpolated
FXV-0809B-36D-K	365	101.8	131.8	214.9	16,591	Rigid / Isolated	Interpolated
FXV-0809B-36D-L	409	101.8	131.8	214.9	16,722	Rigid / Isolated	Interpolated
FXV-0809B-36D-M	441	101.8	131.8	214.9	16,785	Rigid / Isolated	Interpolated
FXV-0809B-36T-G	237	101.8	131.8	214.9	16,718	Rigid / Isolated	Interpolated
FXV-0809B-36T-H	278	101.8	131.8	214.9	16,729	Rigid / Isolated	Interpolated
FXV-0809B-36T-J	313	101.8	131.8	214.9	16,781	Rigid / Isolated	Interpolated
FXV-0809B-36T-K	340	101.8	131.8	214.9	16,797	Rigid / Isolated	Interpolated
FXV-0809B-36T-L	380	101.8	131.8	214.9	16,928	Rigid / Isolated	Interpolated
FXV-0809B-36T-M	410	101.8	131.8	214.9	16,991	Rigid / Isolated	Interpolated
FXV-0812A-12D-J	254	101.8	167.8	150.3	14,170	Rigid / Isolated	Interpolated
FXV-0812A-12D-K	274	101.8	167.8	150.3	14,186	Rigid / Isolated	Interpolated
FXV-0812A-12D-L	302	101.8	167.8	150.3	14,317	Rigid / Isolated	Interpolated
FXV-0812A-12D-M	324	101.8	167.8	150.3	14,380	Rigid / Isolated	Interpolated
FXV-0812A-16D-J	283	101.8	167.8	150.3	14,999	Rigid / Isolated	Interpolated
FXV-0812A-16D-K	306	101.8	167.8	150.3	15,015	Rigid / Isolated	Interpolated
FXV-0812A-16D-L	340	101.8	167.8	150.3	15,146	Rigid / Isolated	Interpolated
FXV-0812A-16D-M	366	101.8	167.8	150.3	15,209	Rigid / Isolated	Interpolated
FXV-0812A-16Q-J	243	101.8	167.8	150.3	15,176	Rigid / Isolated	Interpolated
FXV-0812A-16Q-K	261	101.8	167.8	150.3	15,192	Rigid / Isolated	Interpolated
FXV-0812A-16Q-L	287	101.8	167.8	150.3	15,323	Rigid / Isolated	Interpolated
FXV-0812A-16Q-M	307	101.8	167.8	150.3	15,386	Rigid / Isolated	Interpolated
FXV-0812A-20D-J	304	101.8	167.8	150.3	15,828	Rigid / Isolated	Interpolated
FXV-0812A-20D-K	329	101.8	167.8	150.3	15,844	Rigid / Isolated	Interpolated
FXV-0812A-20D-L	368	101.8	167.8	150.3	15,975	Rigid / Isolated	Interpolated

Notes:

<sup>1</sup>Actual model numbers may include suffixes to indicate options or accessories

<sup>2</sup>Base unit dimensions do not include access options or accessories

<sup>3</sup>Operating weight values do not include access options or accessories

<sup>4</sup>Overall dimensions of tested units include accessories

### Table 1 - Certified Components: FXV Units (Continued)

Base FXV Model No. <sup>1</sup> [Baltimore Aircoil Company]	GPM @ 95/85/78	Base Unit Dimensions <sup>2</sup> [ in ]			Operating Weight <sup>3</sup> [ lb ]	Mounting Configuration	UUT
		Width	Length	Height			
FXV-0812A-20D-M	396	101.8	167.8	150.3	16,038	Rigid / Isolated	Interpolated
FXV-0812A-23Q-J	289	101.8	167.8	150.3	16,806	Rigid / Isolated	Interpolated
FXV-0812A-23Q-K	313	101.8	167.8	150.3	16,822	Rigid / Isolated	Interpolated
FXV-0812A-23Q-L	348	101.8	167.8	150.3	16,953	Rigid / Isolated	Interpolated
FXV-0812A-23Q-M	375	101.8	167.8	150.3	17,016	Rigid / Isolated	Interpolated
FXV-0812A-23T-J	303	101.8	167.8	150.3	16,850	Rigid / Isolated	Interpolated
FXV-0812A-23T-K	328	101.8	167.8	150.3	16,865	Rigid / Isolated	Interpolated
FXV-0812A-23T-L	366	101.8	167.8	150.3	16,997	Rigid / Isolated	Interpolated
FXV-0812A-23T-M	395	101.8	167.8	150.3	17,060	Rigid / Isolated	Interpolated
FXV-0812B-12D-J	293	101.8	167.8	182.3	14,908	Rigid / Isolated	Interpolated
FXV-0812B-12D-K	314	101.8	167.8	182.3	14,924	Rigid / Isolated	Interpolated
FXV-0812B-12D-L	345	101.8	167.8	182.3	15,055	Rigid / Isolated	Interpolated
FXV-0812B-12D-M	368	101.8	167.8	182.3	15,118	Rigid / Isolated	Interpolated
FXV-0812B-12D-N	380	101.8	167.8	182.3	15,177	Rigid / Isolated	Interpolated
FXV-0812B-12D-O	395	101.8	167.8	182.3	15,229	Rigid / Isolated	Interpolated
FXV-0812B-16D-J	329	101.8	167.8	182.3	15,737	Rigid / Isolated	Interpolated
FXV-0812B-16D-K	354	101.8	167.8	182.3	15,753	Rigid / Isolated	Interpolated
FXV-0812B-16D-L	391	101.8	167.8	182.3	15,884	Rigid / Isolated	Interpolated
FXV-0812B-16D-M	418	101.8	167.8	182.3	15,947	Rigid / Isolated	Interpolated
FXV-0812B-16D-N	432	101.8	167.8	182.3	16,006	Rigid / Isolated	Interpolated
FXV-0812B-16D-O	450	101.8	167.8	182.3	16,058	Rigid / Isolated	Interpolated
FXV-0812B-16Q-J	275	101.8	167.8	182.3	15,914	Rigid / Isolated	Interpolated
FXV-0812B-16Q-K	295	101.8	167.8	182.3	15,930	Rigid / Isolated	Interpolated
FXV-0812B-16Q-L	324	101.8	167.8	182.3	16,061	Rigid / Isolated	Interpolated
FXV-0812B-16Q-M	345	101.8	167.8	182.3	16,124	Rigid / Isolated	Interpolated
FXV-0812B-16Q-N	356	101.8	167.8	182.3	16,183	Rigid / Isolated	Interpolated
FXV-0812B-16Q-O	370	101.8	167.8	182.3	16,235	Rigid / Isolated	Interpolated
FXV-0812B-20D-J	354	101.8	167.8	182.3	16,567	Rigid / Isolated	Interpolated
FXV-0812B-20D-K	382	101.8	167.8	182.3	16,582	Rigid / Isolated	Interpolated
FXV-0812B-20D-L	423	101.8	167.8	182.3	16,714	Rigid / Isolated	Interpolated
FXV-0812B-20D-M	454	101.8	167.8	182.3	16,777	Rigid / Isolated	Interpolated
FXV-0812B-20D-N	470	101.8	167.8	182.3	16,835	Rigid / Isolated	Interpolated
FXV-0812B-20D-O	490	101.8	167.8	182.3	16,887	Rigid / Isolated	Interpolated
FXV-0812B-23Q-J	335	101.8	167.8	182.3	17,544	Rigid / Isolated	Interpolated
FXV-0812B-23Q-K	360	101.8	167.8	182.3	17,560	Rigid / Isolated	Interpolated
FXV-0812B-23Q-L	398	101.8	167.8	182.3	17,691	Rigid / Isolated	Interpolated
FXV-0812B-23Q-M	426	101.8	167.8	182.3	17,754	Rigid / Isolated	Interpolated
FXV-0812B-23Q-N	441	101.8	167.8	182.3	17,812	Rigid / Isolated	Interpolated
FXV-0812B-23Q-O	460	101.8	167.8	182.3	17,865	Rigid / Isolated	Interpolated
FXV-0812B-24D-J	395	101.8	167.8	216.9	18,156	Rigid / Isolated	Interpolated
FXV-0812B-24D-K	430	101.8	167.8	216.9	18,171	Rigid / Isolated	Interpolated
FXV-0812B-24D-L	482	101.8	167.8	216.9	18,303	Rigid / Isolated	Interpolated
FXV-0812B-24Q-J	355	101.8	167.8	216.9	18,328	Rigid / Isolated	Interpolated
FXV-0812B-24Q-K	384	101.8	167.8	216.9	18,344	Rigid / Isolated	Interpolated
FXV-0812B-24Q-L	428	101.8	167.8	216.9	18,475	Rigid / Isolated	Interpolated
FXV-0812B-24Q-M	461	101.8	167.8	216.9	18,538	Rigid / Isolated	Interpolated
FXV-0812B-24Q-N	478	101.8	167.8	216.9	18,596	Rigid / Isolated	Interpolated

Notes:

<sup>1</sup>Actual model numbers may include suffixes to indicate options or accessories

<sup>2</sup>Base unit dimensions do not include access options or accessories

<sup>3</sup>Operating weight values do not include access options or accessories

<sup>4</sup>Overall dimensions of tested units include accessories



### Table 1 - Certified Components: FXV Units (Continued)

Base FXV Model No. <sup>1</sup> [Baltimore Aircoil Company]	GPM @ 95/85/78	Base Unit Dimensions <sup>2</sup> [ in ]			Operating Weight <sup>3</sup> [ lb ]	Mounting Configuration	UUT
		Width	Length	Height			
FXV-0812B-24Q-O	500	101.8	167.8	216.9	18,649	Rigid / Isolated	Interpolated
FXV-0812B-24T-J	373	101.8	167.8	216.9	18,372	Rigid / Isolated	Interpolated
FXV-0812B-24T-K	405	101.8	167.8	216.9	18,388	Rigid / Isolated	Interpolated
FXV-0812B-24T-L	453	101.8	167.8	216.9	18,519	Rigid / Isolated	Interpolated
FXV-0812B-24T-M	489	101.8	167.8	216.9	18,582	Rigid / Isolated	Interpolated
FXV-0812B-24T-N	507	101.8	167.8	216.9	18,640	Rigid / Isolated	Interpolated
FXV-0812B-24T-O	531	101.8	167.8	216.9	18,693	Rigid / Isolated	Interpolated
FXV-0812B-28D-J	410	101.8	167.8	216.9	18,985	Rigid / Isolated	Interpolated
FXV-0812B-28D-K	447	101.8	167.8	216.9	19,001	Rigid / Isolated	Interpolated
FXV-0812B-30T-J	397	101.8	167.8	216.9	19,672	Rigid / Isolated	Interpolated
FXV-0812B-30T-K	432	101.8	167.8	216.9	19,688	Rigid / Isolated	Interpolated
FXV-0812B-30T-L	485	101.8	167.8	216.9	19,819	Rigid / Isolated	Interpolated
FXV-0812B-30T-M	525	101.8	167.8	216.9	19,882	Rigid / Isolated	Interpolated
FXV-0812B-30T-N	546	101.8	167.8	216.9	19,940	Rigid / Isolated	Interpolated
FXV-0812B-30T-O	573	101.8	167.8	216.9	19,993	Rigid / Isolated	Interpolated
FXV-0812B-32Q-J	388	101.8	167.8	216.9	19,978	Rigid / Isolated	Interpolated
FXV-0812B-32Q-K	421	101.8	167.8	216.9	19,993	Rigid / Isolated	Interpolated
FXV-0812B-32Q-L	472	101.8	167.8	216.9	20,125	Rigid / Isolated	Interpolated
FXV-0812B-32Q-M	511	101.8	167.8	216.9	20,188	Rigid / Isolated	Interpolated
FXV-0812B-32Q-N	531	101.8	167.8	216.9	20,246	Rigid / Isolated	Interpolated
FXV-0812B-32Q-O	557	101.8	167.8	216.9	20,298	Rigid / Isolated	Interpolated
FXV-0812B-36T-J	414	101.8	167.8	216.9	20,849	Rigid / Isolated	Interpolated
FXV-0812B-36T-K	452	101.8	167.8	216.9	20,865	Rigid / Isolated	Interpolated
FXV-0812B-36T-L	509	101.8	167.8	216.9	20,996	Rigid / Isolated	Interpolated
FXV-0812B-36T-M	552	101.8	167.8	216.9	21,059	Rigid / Isolated	Interpolated
FXV-0812B-36T-N	574	101.8	167.8	216.9	21,118	Rigid / Isolated	Interpolated
FXV-0812B-36T-O	603	101.8	167.8	216.9	21,170	Rigid / Isolated	Interpolated
FXV-0818A-12D-K	465	101.8	239.8	156.3	21,212	Rigid / Isolated	Interpolated
FXV-0818A-12D-L	511	101.8	239.8	156.3	21,396	Rigid / Isolated	Interpolated
FXV-0818A-12D-M	546	101.8	239.8	156.3	21,475	Rigid / Isolated	Interpolated
FXV-0818A-16D-K	512	101.8	239.8	156.3	22,455	Rigid / Isolated	Interpolated
FXV-0818A-16Q-K	453	101.8	239.8	156.3	22,632	Rigid / Isolated	Interpolated
FXV-0818A-16Q-L	498	101.8	239.8	156.3	22,816	Rigid / Isolated	Interpolated
FXV-0818A-16Q-M	532	101.8	239.8	156.3	22,894	Rigid / Isolated	Interpolated
FXV-0818A-23Q-K	530	101.8	239.8	156.3	25,095	Rigid / Isolated	Interpolated
FXV-0818A-23Q-L	586	101.8	239.8	156.3	25,279	Rigid / Isolated	Interpolated
FXV-0818A-23Q-M	628	101.8	239.8	156.3	25,358	Rigid / Isolated	Interpolated
FXV-0818A-23T-K	548	101.8	239.8	156.3	25,140	Rigid / Isolated	Interpolated
FXV-0818A-23T-L	608	101.8	239.8	156.3	25,323	Rigid / Isolated	Interpolated
FXV-0818A-23T-M	652	101.8	239.8	156.3	25,402	Rigid / Isolated	Interpolated
FXV-0818A-24Q-K	568	101.8	239.8	190.9	26,333	Rigid / Isolated	Interpolated
FXV-0818A-24Q-L	635	101.8	239.8	190.9	26,517	Rigid / Isolated	Interpolated
FXV-0818A-24Q-M	685	101.8	239.8	190.9	26,596	Rigid / Isolated	Interpolated
FXV-0818A-24T-K	589	101.8	239.8	190.9	26,378	Rigid / Isolated	Interpolated
FXV-0818A-24T-L	660	101.8	239.8	190.9	26,561	Rigid / Isolated	Interpolated
FXV-0818A-24T-M	713	101.8	239.8	190.9	26,640	Rigid / Isolated	Interpolated
FXV-0818A-32Q-K	612	101.8	239.8	190.9	28,811	Rigid / Isolated	Interpolated

Notes:

<sup>1</sup>Actual model numbers may include suffixes to indicate options or accessories

<sup>2</sup>Base unit dimensions do not include access options or accessories

<sup>3</sup>Operating weight values do not include access options or accessories

<sup>4</sup>Overall dimensions of tested units include accessories



### Table 1 - Certified Components: FXV Units (Continued)

Base FXV Model No. <sup>1</sup> [Baltimore Aircoil Company]	GPM @ 95/85/78	Base Unit Dimensions <sup>2</sup> [ in ]			Operating Weight <sup>3</sup> [ lb ]	Mounting Configuration	UUT
		Width	Length	Height			
FXV-0818A-32Q-L	687	101.8	239.8	190.9	28,995	Rigid / Isolated	Interpolated
FXV-0818A-32Q-M	744	101.8	239.8	190.9	29,074	Rigid / Isolated	Interpolated
FXV-0818B-12D-K	528	101.8	239.8	188.3	22,578	Rigid / Isolated	Interpolated
FXV-0818B-12D-L	576	101.8	239.8	188.3	22,762	Rigid / Isolated	Interpolated
FXV-0818B-12D-M	612	101.8	239.8	188.3	22,841	Rigid / Isolated	Interpolated
FXV-0818B-12D-N	638	101.8	239.8	188.3	23,044	Rigid / Isolated	Interpolated
FXV-0818B-12D-O	652	101.8	239.8	188.3	23,096	Rigid / Isolated	Interpolated
FXV-0818B-16Q-K	511	101.8	239.8	188.3	23,998	Rigid / Isolated	Interpolated
FXV-0818B-16Q-L	558	101.8	239.8	188.3	24,182	Rigid / Isolated	Interpolated
FXV-0818B-16Q-M	593	101.8	239.8	188.3	24,260	Rigid / Isolated	Interpolated
FXV-0818B-16Q-N	619	101.8	239.8	188.3	24,464	Rigid / Isolated	Interpolated
FXV-0818B-16Q-O	633	101.8	239.8	188.3	24,516	Rigid / Isolated	Interpolated
FXV-0818B-23Q-K	599	101.8	239.8	188.3	26,461	Rigid / Isolated	Interpolated
FXV-0818B-23Q-L	658	101.8	239.8	188.3	26,645	Rigid / Isolated	Interpolated
FXV-0818B-23Q-M	702	101.8	239.8	188.3	26,724	Rigid / Isolated	Interpolated
FXV-0818B-23Q-N	734	101.8	239.8	188.3	26,927	Rigid / Isolated	Interpolated
FXV-0818B-23Q-O	752	101.8	239.8	188.3	26,979	Rigid / Isolated	Interpolated
FXV-0818B-23T-K	623	101.8	239.8	188.3	26,506	Rigid / Isolated	Interpolated
FXV-0818B-23T-L	685	101.8	239.8	188.3	26,690	Rigid / Isolated	Interpolated
FXV-0818B-23T-M	730	101.8	239.8	188.3	26,768	Rigid / Isolated	Interpolated
FXV-0818B-23T-N	764	101.8	239.8	188.3	26,971	Rigid / Isolated	Interpolated
FXV-0818B-23T-O	783	101.8	239.8	188.3	27,024	Rigid / Isolated	Interpolated
FXV-0818B-24Q-K	650	101.8	239.8	222.9	27,748	Rigid / Isolated	Interpolated
FXV-0818B-24Q-L	721	101.8	239.8	222.9	27,932	Rigid / Isolated	Interpolated
FXV-0818B-24Q-M	773	101.8	239.8	222.9	28,011	Rigid / Isolated	Interpolated
FXV-0818B-24Q-N	813	101.8	239.8	222.9	28,214	Rigid / Isolated	Interpolated
FXV-0818B-24Q-O	835	101.8	239.8	222.9	28,267	Rigid / Isolated	Interpolated
FXV-0818B-24T-K	677	101.8	239.8	222.9	27,793	Rigid / Isolated	Interpolated
FXV-0818B-24T-L	751	101.8	239.8	222.9	27,977	Rigid / Isolated	Interpolated
FXV-0818B-24T-M	806	101.8	239.8	222.9	28,056	Rigid / Isolated	Interpolated
FXV-0818B-24T-N	847	101.8	239.8	222.9	28,259	Rigid / Isolated	Interpolated
FXV-0818B-24T-O	870	101.8	239.8	222.9	28,311	Rigid / Isolated	Interpolated
FXV-0818B-30T-K	716	101.8	239.8	222.9	29,714	Rigid / Isolated	Interpolated
FXV-0818B-32Q-K	703	101.8	239.8	222.9	30,227	Rigid / Isolated	Interpolated
FXV-0818B-32Q-L	783	101.8	239.8	222.9	30,411	Rigid / Isolated	Interpolated
FXV-0818B-32Q-M	842	101.8	239.8	222.9	30,489	Rigid / Isolated	Interpolated
FXV-0818B-32Q-N	886	101.8	239.8	222.9	30,692	Rigid / Isolated	Interpolated
FXV-0818B-32Q-O	911	101.8	239.8	222.9	30,745	Rigid / Isolated	Interpolated
FXV-1212B-12D-K	377	142.0	167.8	182.8	19,843	Rigid / Isolated	Interpolated
FXV-1212B-12D-M	446	142.0	167.8	182.8	20,037	Rigid / Isolated	Interpolated
FXV-1212B-12D-N	469	142.0	167.8	182.8	20,069	Rigid / Isolated	Interpolated
FXV-1212B-12D-O	489	142.0	167.8	182.8	20,166	Rigid / Isolated	Interpolated
FXV-1212B-16D-K	424	142.0	167.8	182.8	21,208	Rigid / Isolated	Interpolated
FXV-1212B-16D-M	505	142.0	167.8	182.8	21,402	Rigid / Isolated	Interpolated
FXV-1212B-16D-N	533	142.0	167.8	182.8	21,434	Rigid / Isolated	Interpolated
FXV-1212B-16D-O	556	142.0	167.8	182.8	21,531	Rigid / Isolated	Interpolated
FXV-1212B-20D-K	457	142.0	167.8	182.8	22,573	Rigid / Isolated	Interpolated

Notes:

<sup>1</sup>Actual model numbers may include suffixes to indicate options or accessories

<sup>2</sup>Base unit dimensions do not include access options or accessories

<sup>3</sup>Operating weight values do not include access options or accessories

<sup>4</sup>Overall dimensions of tested units include accessories

### Table 1 - Certified Components: FXV Units (Continued)

Base FXV Model No. <sup>1</sup> [Baltimore Aircoil Company]	GPM @ 95/85/78	Base Unit Dimensions <sup>2</sup> [ in ]			Operating Weight <sup>3</sup> [ lb ]	Mounting Configuration	UUT
		Width	Length	Height			
FXV-1212B-20D-M	548	142.0	167.8	182.8	22,768	Rigid / Isolated	Interpolated
FXV-1212B-20D-N	579	142.0	167.8	182.8	22,799	Rigid / Isolated	Interpolated
FXV-1212B-20D-O	605	142.0	167.8	182.8	22,897	Rigid / Isolated	Interpolated
FXV-1212B-23Q-K	435	142.0	167.8	182.8	24,156	Rigid / Isolated	Interpolated
FXV-1212B-23Q-M	520	142.0	167.8	182.8	24,351	Rigid / Isolated	Interpolated
FXV-1212B-23Q-N	548	142.0	167.8	182.8	24,382	Rigid / Isolated	Interpolated
FXV-1212B-23Q-O	573	142.0	167.8	182.8	24,480	Rigid / Isolated	Interpolated
FXV-1212B-23T-K	456	142.0	167.8	182.8	24,210	Rigid / Isolated	Interpolated
FXV-1212B-23T-L	508	142.0	167.8	182.8	24,341	Rigid / Isolated	Interpolated
FXV-1212B-23T-M	547	142.0	167.8	182.8	24,404	Rigid / Isolated	Interpolated
FXV-1212B-23T-N	578	142.0	167.8	182.8	24,436	Rigid / Isolated	Interpolated
FXV-1212B-23T-O	604	142.0	167.8	182.8	24,534	Rigid / Isolated	Interpolated
FXV-1212B-24D-K	511	142.0	167.8	217.4	24,764	Rigid / Isolated	Interpolated
FXV-1212B-24D-M	627	142.0	167.8	217.4	24,959	Rigid / Isolated	Interpolated
FXV-1212B-24D-N	667	142.0	167.8	217.4	24,990	Rigid / Isolated	Interpolated
FXV-1212B-24D-O	701	142.0	167.8	217.4	25,088	Rigid / Isolated	Interpolated
FXV-1212B-24T-K	485	142.0	167.8	217.4	25,075	Rigid / Isolated	Interpolated
FXV-1212B-24T-M	591	142.0	167.8	217.4	25,270	Rigid / Isolated	Interpolated
FXV-1212B-24T-N	627	142.0	167.8	217.4	25,301	Rigid / Isolated	Interpolated
FXV-1212B-24T-O	659	142.0	167.8	217.4	25,399	Rigid / Isolated	Interpolated
FXV-1212B-28D-K	531	142.0	167.8	217.4	26,130	Rigid / Isolated	Interpolated
FXV-1212B-28D-M	654	142.0	167.8	217.4	26,324	Rigid / Isolated	Interpolated
FXV-1212B-28D-N	696	142.0	167.8	217.4	26,355	Rigid / Isolated	Interpolated
FXV-1212B-28D-O	732	142.0	167.8	217.4	26,453	Rigid / Isolated	Interpolated
FXV-1212C-12D-K	401	142.0	167.8	198.8	20,222	Rigid / Isolated	Interpolated
FXV-1212C-12D-L	441	142.0	167.8	198.8	20,354	Rigid / Isolated	Interpolated
FXV-1212C-12D-M	471	142.0	167.8	198.8	20,417	Rigid / Isolated	Interpolated
FXV-1212C-12D-N	495	142.0	167.8	198.8	20,448	Rigid / Isolated	Interpolated
FXV-1212C-12D-O	515	142.0	167.8	198.8	20,546	Rigid / Isolated	Interpolated
FXV-1212C-12D-P	555	142.0	167.8	198.8	20,714	Rigid / Isolated	Interpolated
FXV-1212C-16D-K	450	142.0	167.8	198.8	21,587	Rigid / Isolated	Interpolated
FXV-1212C-16D-L	498	142.0	167.8	198.8	21,719	Rigid / Isolated	Interpolated
FXV-1212C-16D-M	534	142.0	167.8	198.8	21,782	Rigid / Isolated	Interpolated
FXV-1212C-16D-N	562	142.0	167.8	198.8	21,813	Rigid / Isolated	Interpolated
FXV-1212C-16D-O	586	142.0	167.8	198.8	21,911	Rigid / Isolated	Interpolated
FXV-1212C-16D-P	633	142.0	167.8	198.8	22,079	Rigid / Isolated	Interpolated
FXV-1212C-16Q-K	380	142.0	167.8	198.8	21,852	Rigid / Isolated	Interpolated
FXV-1212C-16Q-L	418	142.0	167.8	198.8	21,984	Rigid / Isolated	Interpolated
FXV-1212C-16Q-M	446	142.0	167.8	198.8	22,047	Rigid / Isolated	Interpolated
FXV-1212C-16Q-N	468	142.0	167.8	198.8	22,078	Rigid / Isolated	Interpolated
FXV-1212C-16Q-O	487	142.0	167.8	198.8	22,176	Rigid / Isolated	Interpolated
FXV-1212C-16Q-P	524	142.0	167.8	198.8	22,344	Rigid / Isolated	Interpolated
FXV-1212C-20D-K	486	142.0	167.8	198.8	22,953	Rigid / Isolated	Interpolated
FXV-1212C-20D-L	539	142.0	167.8	198.8	23,084	Rigid / Isolated	Interpolated
FXV-1212C-20D-M	579	142.0	167.8	198.8	23,147	Rigid / Isolated	Interpolated
FXV-1212C-20D-N	611	142.0	167.8	198.8	23,179	Rigid / Isolated	Interpolated
FXV-1212C-20D-O	637	142.0	167.8	198.8	23,277	Rigid / Isolated	Interpolated

Notes:

<sup>1</sup>Actual model numbers may include suffixes to indicate options or accessories

<sup>2</sup>Base unit dimensions do not include access options or accessories

<sup>3</sup>Operating weight values do not include access options or accessories

<sup>4</sup>Overall dimensions of tested units include accessories

### Table 1 - Certified Components: FXV Units (Continued)

Base FXV Model No. <sup>1</sup> [Baltimore Aircoil Company]	GPM @ 95/85/78	Base Unit Dimensions <sup>2</sup> [ in ]			Operating Weight <sup>3</sup> [ lb ]	Mounting Configuration	UUT
		Width	Length	Height			
FXV-1212C-20D-P	690	142.0	167.8	198.8	23,445	Rigid / Isolated	Interpolated
FXV-1212C-23Q-K	462	142.0	167.8	198.8	24,536	Rigid / Isolated	Interpolated
FXV-1212C-23Q-L	512	142.0	167.8	198.8	24,667	Rigid / Isolated	Interpolated
FXV-1212C-23Q-M	548	142.0	167.8	198.8	24,730	Rigid / Isolated	Interpolated
FXV-1212C-23Q-N	578	142.0	167.8	198.8	24,762	Rigid / Isolated	Interpolated
FXV-1212C-23Q-O	602	142.0	167.8	198.8	24,860	Rigid / Isolated	Interpolated
FXV-1212C-23Q-P	651	142.0	167.8	198.8	25,028	Rigid / Isolated	Interpolated
FXV-1212C-23T-K	484	142.0	167.8	198.8	24,590	Rigid / Isolated	Interpolated
FXV-1212C-23T-L	537	142.0	167.8	198.8	24,721	Rigid / Isolated	Interpolated
FXV-1212C-23T-M	577	142.0	167.8	198.8	24,784	Rigid / Isolated	Interpolated
FXV-1212C-23T-N	609	142.0	167.8	198.8	24,815	Rigid / Isolated	Interpolated
FXV-1212C-23T-O	635	142.0	167.8	198.8	24,913	Rigid / Isolated	Interpolated
FXV-1212C-23T-P	688	142.0	167.8	198.8	25,081	Rigid / Isolated	Interpolated
FXV-1212C-24D-K	547	142.0	167.8	233.4	25,326	Rigid / Isolated	Interpolated
FXV-1212C-24D-L	615	142.0	167.8	233.4	25,457	Rigid / Isolated	Interpolated
FXV-1212C-24D-M	666	142.0	167.8	233.4	25,520	Rigid / Isolated	Interpolated
FXV-1212C-24D-N	708	142.0	167.8	233.4	25,552	Rigid / Isolated	Interpolated
FXV-1212C-24D-O	742	142.0	167.8	233.4	25,650	Rigid / Isolated	Interpolated
FXV-1212C-24D-P	812	142.0	167.8	233.4	25,818	Rigid / Isolated	Interpolated
FXV-1212C-24Q-K	494	142.0	167.8	233.4	25,583	Rigid / Isolated	Interpolated
FXV-1212C-24Q-L	552	142.0	167.8	233.4	25,714	Rigid / Isolated	Interpolated
FXV-1212C-24Q-M	596	142.0	167.8	233.4	25,777	Rigid / Isolated	Interpolated
FXV-1212C-24Q-N	631	142.0	167.8	233.4	25,809	Rigid / Isolated	Interpolated
FXV-1212C-24Q-O	660	142.0	167.8	233.4	25,907	Rigid / Isolated	Interpolated
FXV-1212C-24Q-P	719	142.0	167.8	233.4	26,075	Rigid / Isolated	Interpolated
FXV-1212C-24T-K	517	142.0	167.8	233.4	25,637	Rigid / Isolated	Interpolated
FXV-1212C-24T-L	579	142.0	167.8	233.4	25,768	Rigid / Isolated	Interpolated
FXV-1212C-24T-M	626	142.0	167.8	233.4	25,831	Rigid / Isolated	Interpolated
FXV-1212C-24T-N	664	142.0	167.8	233.4	25,863	Rigid / Isolated	Interpolated
FXV-1212C-24T-O	696	142.0	167.8	233.4	25,961	Rigid / Isolated	Interpolated
FXV-1212C-24T-P	760	142.0	167.8	233.4	26,129	Rigid / Isolated	Interpolated
FXV-1212C-28D-K	569	142.0	167.8	233.4	26,691	Rigid / Isolated	Interpolated
FXV-1212C-28D-L	641	142.0	167.8	233.4	26,822	Rigid / Isolated	Interpolated
FXV-1212C-28D-M	695	142.0	167.8	233.4	26,885	Rigid / Isolated	Interpolated
FXV-1212C-28D-N	739	142.0	167.8	233.4	26,917	Rigid / Isolated	Interpolated
FXV-1212C-28D-O	776	142.0	167.8	233.4	27,015	Rigid / Isolated	Interpolated
FXV-1212C-30T-K	551	142.0	167.8	233.4	27,777	Rigid / Isolated	Interpolated
FXV-1212C-30T-L	620	142.0	167.8	233.4	27,909	Rigid / Isolated	Interpolated
FXV-1212C-30T-M	672	142.0	167.8	233.4	27,972	Rigid / Isolated	Interpolated
FXV-1212C-30T-N	714	142.0	167.8	233.4	28,003	Rigid / Isolated	Interpolated
FXV-1212C-30T-O	749	142.0	167.8	233.4	28,101	Rigid / Isolated	Interpolated
FXV-1212C-30T-P	821	142.0	167.8	233.4	28,269	Rigid / Isolated	Interpolated
FXV-1212C-32D-K	586	142.0	167.8	233.4	28,057	Rigid / Isolated	Interpolated
FXV-1212C-32D-L	661	142.0	167.8	233.4	28,188	Rigid / Isolated	Interpolated
FXV-1212C-32D-M	718	142.0	167.8	233.4	28,251	Rigid / Isolated	Interpolated
FXV-1212C-32Q-K	541	142.0	167.8	233.4	28,299	Rigid / Isolated	Interpolated
FXV-1212C-32Q-L	608	142.0	167.8	233.4	28,430	Rigid / Isolated	Interpolated

Notes:

<sup>1</sup>Actual model numbers may include suffixes to indicate options or accessories

<sup>2</sup>Base unit dimensions do not include access options or accessories

<sup>3</sup>Operating weight values do not include access options or accessories

<sup>4</sup>Overall dimensions of tested units include accessories



### Table 1 - Certified Components: FXV Units (Continued)

Base FXV Model No. <sup>1</sup> [Baltimore Aircoil Company]	GPM @ 95/85/78	Base Unit Dimensions <sup>2</sup> [ in ]			Operating Weight <sup>3</sup> [ lb ]	Mounting Configuration	UUT
		Width	Length	Height			
FXV-1212C-32Q-M	658	142.0	167.8	233.4	28,493	Rigid / Isolated	Interpolated
FXV-1212C-32Q-N	698	142.0	167.8	233.4	28,525	Rigid / Isolated	Interpolated
FXV-1212C-32Q-O	732	142.0	167.8	233.4	28,623	Rigid / Isolated	Interpolated
FXV-1212C-32Q-P	800	142.0	167.8	233.4	28,791	Rigid / Isolated	Interpolated
FXV-1212C-36D-K	600	142.0	167.8	233.4	29,423	Rigid / Isolated	Interpolated
FXV-1212C-36D-L	679	142.0	167.8	233.4	29,554	Rigid / Isolated	Interpolated
FXV-1212C-36T-K	577	142.0	167.8	233.4	29,716	Rigid / Isolated	Interpolated
FXV-1212C-36T-L	651	142.0	167.8	233.4	29,848	Rigid / Isolated	Interpolated
FXV-1212C-36T-M	707	142.0	167.8	233.4	29,911	Rigid / Isolated	Interpolated
FXV-1212C-36T-N	752	142.0	167.8	233.4	29,942	Rigid / Isolated	Interpolated
FXV-1212C-36T-O	789	142.0	167.8	233.4	30,040	Rigid / Isolated	Interpolated
FXV-1212C-36T-P	866	142.0	167.8	233.4	30,208	Rigid / Isolated	Interpolated
FXV-1218B-12D-K	631	142.0	245.8	188.8	31,371	Rigid / Isolated	Interpolated
FXV-1218B-12D-L	699	142.0	245.8	188.8	31,554	Rigid / Isolated	Interpolated
FXV-1218B-12D-M	749	142.0	245.8	188.8	31,633	Rigid / Isolated	Interpolated
FXV-1218B-12D-N	801	142.0	245.8	188.8	31,796	Rigid / Isolated	Interpolated
FXV-1218B-12D-O	823	142.0	245.8	188.8	31,916	Rigid / Isolated	Interpolated
FXV-1218B-16D-K	695	142.0	245.8	188.8	33,417	Rigid / Isolated	Interpolated
FXV-1218B-16D-L	772	142.0	245.8	188.8	33,601	Rigid / Isolated	Interpolated
FXV-1218B-16D-M	830	142.0	245.8	188.8	33,680	Rigid / Isolated	Interpolated
FXV-1218B-16D-N	890	142.0	245.8	188.8	33,843	Rigid / Isolated	Interpolated
FXV-1218B-16Q-K	618	142.0	245.8	188.8	33,682	Rigid / Isolated	Interpolated
FXV-1218B-16Q-L	684	142.0	245.8	188.8	33,866	Rigid / Isolated	Interpolated
FXV-1218B-16Q-M	733	142.0	245.8	188.8	33,945	Rigid / Isolated	Interpolated
FXV-1218B-16Q-N	784	142.0	245.8	188.8	34,107	Rigid / Isolated	Interpolated
FXV-1218B-16Q-O	805	142.0	245.8	188.8	34,228	Rigid / Isolated	Interpolated
FXV-1218B-20D-K	738	142.0	245.8	188.8	35,464	Rigid / Isolated	Interpolated
FXV-1218B-23Q-K	721	142.0	245.8	188.8	37,739	Rigid / Isolated	Interpolated
FXV-1218B-23Q-L	803	142.0	245.8	188.8	37,923	Rigid / Isolated	Interpolated
FXV-1218B-23Q-M	864	142.0	245.8	188.8	38,001	Rigid / Isolated	Interpolated
FXV-1218B-23Q-N	927	142.0	245.8	188.8	38,164	Rigid / Isolated	Interpolated
FXV-1218B-23Q-O	954	142.0	245.8	188.8	38,285	Rigid / Isolated	Interpolated
FXV-1218B-23T-K	752	142.0	245.8	188.8	37,794	Rigid / Isolated	Interpolated
FXV-1218B-23T-L	839	142.0	245.8	188.8	37,977	Rigid / Isolated	Interpolated
FXV-1218B-23T-M	905	142.0	245.8	188.8	38,056	Rigid / Isolated	Interpolated
FXV-1218B-23T-N	972	142.0	245.8	188.8	38,219	Rigid / Isolated	Interpolated
FXV-1218B-23T-O	1001	142.0	245.8	188.8	38,339	Rigid / Isolated	Interpolated
FXV-1218B-24Q-K	764	142.0	245.8	223.4	39,224	Rigid / Isolated	Interpolated
FXV-1218B-24Q-L	859	142.0	245.8	223.4	39,407	Rigid / Isolated	Interpolated
FXV-1218B-24Q-M	931	142.0	245.8	223.4	39,486	Rigid / Isolated	Interpolated
FXV-1218B-24Q-N	1007	142.0	245.8	223.4	39,649	Rigid / Isolated	Interpolated
FXV-1218B-24Q-O	1039	142.0	245.8	223.4	39,769	Rigid / Isolated	Interpolated
FXV-1218B-24T-K	790	142.0	245.8	223.4	39,279	Rigid / Isolated	Interpolated
FXV-1218B-24T-L	891	142.0	245.8	223.4	39,462	Rigid / Isolated	Interpolated
FXV-1218B-24T-M	967	142.0	245.8	223.4	39,541	Rigid / Isolated	Interpolated
FXV-1218B-24T-N	1047	142.0	245.8	223.4	39,704	Rigid / Isolated	Interpolated
FXV-1218B-24T-O	1081	142.0	245.8	223.4	39,825	Rigid / Isolated	Interpolated

Notes:

<sup>1</sup>Actual model numbers may include suffixes to indicate options or accessories

<sup>2</sup>Base unit dimensions do not include access options or accessories

<sup>3</sup>Operating weight values do not include access options or accessories

<sup>4</sup>Overall dimensions of tested units include accessories



### Table 1 - Certified Components: FXV Units (Continued)

Base FXV Model No. <sup>1</sup> [Baltimore Aircoil Company]	GPM @ 95/85/78	Base Unit Dimensions <sup>2</sup> [ in ]			Operating Weight <sup>3</sup> [ lb ]	Mounting Configuration	UUT
		Width	Length	Height			
FXV-1218C-12D-K	671	142.0	245.8	204.8	32,218	Rigid / Isolated	Interpolated
FXV-1218C-12D-L	741	142.0	245.8	204.8	32,402	Rigid / Isolated	Interpolated
FXV-1218C-12D-M	792	142.0	245.8	204.8	32,480	Rigid / Isolated	Interpolated
FXV-1218C-12D-N	845	142.0	245.8	204.8	32,643	Rigid / Isolated	Interpolated
FXV-1218C-12D-O	867	142.0	245.8	204.8	32,764	Rigid / Isolated	Interpolated
FXV-1218C-12D-P	935	142.0	245.8	204.8	32,995	Rigid / Isolated	Interpolated
FXV-1218C-16D-K	737	142.0	245.8	204.8	34,264	Rigid / Isolated	Interpolated
FXV-1218C-16D-L	817	142.0	245.8	204.8	34,448	Rigid / Isolated	Interpolated
FXV-1218C-16D-M	876	142.0	245.8	204.8	34,527	Rigid / Isolated	Interpolated
FXV-1218C-16Q-K	655	142.0	245.8	204.8	34,529	Rigid / Isolated	Interpolated
FXV-1218C-16Q-L	723	142.0	245.8	204.8	34,713	Rigid / Isolated	Interpolated
FXV-1218C-16Q-M	773	142.0	245.8	204.8	34,792	Rigid / Isolated	Interpolated
FXV-1218C-16Q-N	825	142.0	245.8	204.8	34,955	Rigid / Isolated	Interpolated
FXV-1218C-16Q-O	847	142.0	245.8	204.8	35,075	Rigid / Isolated	Interpolated
FXV-1218C-16Q-P	913	142.0	245.8	204.8	35,306	Rigid / Isolated	Interpolated
FXV-1218C-20D-K	786	142.0	245.8	204.8	36,311	Rigid / Isolated	Interpolated
FXV-1218C-23Q-K	764	142.0	245.8	204.8	38,586	Rigid / Isolated	Interpolated
FXV-1218C-23Q-L	849	142.0	245.8	204.8	38,770	Rigid / Isolated	Interpolated
FXV-1218C-23Q-M	911	142.0	245.8	204.8	38,848	Rigid / Isolated	Interpolated
FXV-1218C-23Q-N	976	142.0	245.8	204.8	39,011	Rigid / Isolated	Interpolated
FXV-1218C-23Q-O	1003	142.0	245.8	204.8	39,132	Rigid / Isolated	Interpolated
FXV-1218C-23Q-P	1086	142.0	245.8	204.8	39,363	Rigid / Isolated	Interpolated
FXV-1218C-24Q-K	814	142.0	245.8	239.4	40,030	Rigid / Isolated	Interpolated
FXV-1218C-24Q-L	913	142.0	245.8	239.4	40,214	Rigid / Isolated	Interpolated
FXV-1218C-24Q-M	987	142.0	245.8	239.4	40,293	Rigid / Isolated	Interpolated
FXV-1218C-24Q-N	1065	142.0	245.8	239.4	40,455	Rigid / Isolated	Interpolated
FXV-1218C-24Q-O	1097	142.0	245.8	239.4	40,576	Rigid / Isolated	Interpolated
FXV-1218C-24Q-P	1199	142.0	245.8	239.4	40,807	Rigid / Isolated	Interpolated
FXV-1218C-24T-K	845	142.0	245.8	239.4	40,085	Rigid / Isolated	Interpolated
FXV-1218C-24T-L	949	142.0	245.8	239.4	40,269	Rigid / Isolated	Interpolated
FXV-1218C-24T-M	1028	142.0	245.8	239.4	40,348	Rigid / Isolated	Interpolated
FXV-1218C-24T-N	1109	142.0	245.8	239.4	40,511	Rigid / Isolated	Interpolated
FXV-1218C-24T-O	1143	142.0	245.8	239.4	40,631	Rigid / Isolated	Interpolated
FXV-1218C-24T-P	1249	142.0	245.8	239.4	40,862	Rigid / Isolated	Interpolated
FXV-1218C-30T-K	892	142.0	245.8	239.4	43,249	Rigid / Isolated	Interpolated
FXV-1218C-30T-L	1006	142.0	245.8	239.4	43,433	Rigid / Isolated	Interpolated
FXV-1218C-30T-M	1092	142.0	245.8	239.4	43,511	Rigid / Isolated	Interpolated
FXV-1218C-30T-N	1180	142.0	245.8	239.4	43,674	Rigid / Isolated	Interpolated
FXV-1218C-30T-O	1218	142.0	245.8	239.4	43,795	Rigid / Isolated	Interpolated
FXV-1218C-32Q-K	879	142.0	245.8	239.4	44,111	Rigid / Isolated	Interpolated
FXV-1218C-32Q-L	991	142.0	245.8	239.4	44,295	Rigid / Isolated	Interpolated
FXV-1218C-32Q-M	1074	142.0	245.8	239.4	44,374	Rigid / Isolated	Interpolated
FXV-1218C-32Q-N	1162	142.0	245.8	239.4	44,536	Rigid / Isolated	Interpolated
FXV-1218C-32Q-O	1198	142.0	245.8	239.4	44,657	Rigid / Isolated	Interpolated
FXV-1218C-32Q-P	1312	142.0	245.8	239.4	44,888	Rigid / Isolated	Interpolated
FXV-1218C-36T-K	926	142.0	245.8	239.4	46,210	Rigid / Isolated	Interpolated
FXV-1218C-36T-L	1047	142.0	245.8	239.4	46,394	Rigid/Isolated	Interpolated
FXV-1218C-36T-L	1047	204.9	298.3	262.6	51,294	Isolated	UUT-2A <sup>4</sup>

Notes:

<sup>1</sup>Actual model numbers may include suffixes to indicate options or accessories

<sup>2</sup>Base unit dimensions do not include access options or accessories

<sup>3</sup>Operating weight values do not include access options or accessories

<sup>4</sup>Overall dimensions of tested units include accessories

## Table 2 - Certified Components: CXVB Units

CXVB Model No. [Baltimore Aircoil Company]	Tons of NH3	No. of Cells	Base Unit Dimensions <sup>1</sup> [ in ]			Operating Weight <sup>2</sup> [ lb ]	Mounting Configuration	UUT
			Width	Length	Height			
CXVB-075-0806-3	75	1	101.8	89.8	150.3	7,487	Rigid / Isolated	Extrapolated
CXVB-088-0806-7.5	88	1	101.8	89.8	150.3	7,550	Rigid / Isolated	Extrapolated
CXVB-092-0806-10	92	1	101.8	89.8	150.3	7,566	Rigid / Isolated	Extrapolated
CXVB-098-0806-10	98	1	101.8	89.8	150.3	7,877	Rigid / Isolated	Extrapolated
CXVB-094-0806-3	94	1	101.8	89.8	184.9	10,118	Rigid / Isolated	Extrapolated
CXVB-087-0806-3	87	1	101.8	89.8	182.3	8,226	Rigid / Isolated	Extrapolated
CXVB-095-0806-5	95	1	101.8	89.8	182.3	8,237	Rigid / Isolated	Extrapolated
CXVB-102-0806-7.5	102	1	101.8	89.8	182.3	8,289	Rigid / Isolated	Extrapolated
CXVB-106-0806-10	106	1	101.8	89.8	182.3	8,305	Rigid / Isolated	Extrapolated
CXVB-111-0806-10	111	1	101.8	89.8	182.3	8,617	Rigid / Isolated	Extrapolated
CXVB-123-0806-10	123	1	101.8	89.8	216.9	9,484	Rigid / Isolated	Extrapolated
CXVB-137-0806-15	137	1	101.8	89.8	216.9	10,563	Rigid / Isolated	Extrapolated
CXVB-106-0806-3	106	1	101.8	89.8	216.9	10,546	Rigid / Isolated	Extrapolated
CXVB-117-0806-5	117	1	101.8	89.8	216.9	10,556	Rigid / Isolated	Extrapolated
CXVB-126-0809-3	126	1	101.8	131.8	182.9	13,844	Rigid / Isolated	Extrapolated
CXVB-113-0809-3	113	1	101.8	131.8	180.3	11,583	Rigid / Isolated	Extrapolated
CXVB-124-0809-5	124	1	101.8	131.8	180.3	11,594	Rigid / Isolated	Extrapolated
CXVB-134-0809-7.5	134	1	101.8	131.8	180.3	11,646	Rigid / Isolated	Extrapolated
CXVB-144-0809-7.5	144	1	101.8	131.8	180.3	12,113	Rigid / Isolated	Extrapolated
CXVB-151-0809-10	151	1	101.8	131.8	180.3	12,129	Rigid / Isolated	Extrapolated
CXVB-138-0809-5	138	1	101.8	131.8	180.3	12,527	Rigid / Isolated	Extrapolated
CXVB-176-0809-20	176	1	101.8	131.8	180.3	12,789	Rigid / Isolated	Extrapolated
CXVB-163-0809-7.5	163	1	101.8	131.8	214.9	13,774	Rigid / Isolated	Extrapolated
CXVB-138-0809-3	138	1	101.8	131.8	214.9	14,178	Rigid / Isolated	Extrapolated
CXVB-152-0809-5	152	1	101.8	131.8	214.9	14,188	Rigid / Isolated	Extrapolated
CXVB-165-0809-7.5	165	1	101.8	131.8	214.9	14,241	Rigid / Isolated	Extrapolated
CXVB-190-0809-15	190	1	101.8	131.8	214.9	14,388	Rigid / Isolated	Extrapolated
CXVB-141-0809-3	141	1	101.8	131.8	214.9	15,111	Rigid / Isolated	Extrapolated
CXVB-158-0809-5	158	1	101.8	131.8	214.9	15,122	Rigid / Isolated	Extrapolated
<b>CXVB-158-0809-5</b>	<b>158</b>	<b>1</b>	<b>164.6</b>	<b>170.5</b>	<b>239.0</b>	<b>16,060</b>	<b>Rigid</b>	<b>UUT-1B<sup>3</sup></b>
CXVB-158-0809-5	158	1	101.8	131.8	214.9	16,060	Rigid / Isolated	Interpolated
CXVB-207-0809-20	207	1	101.8	131.8	214.9	15,384	Rigid / Isolated	Interpolated
CXVB-204-0812-7.5	204	1	101.8	167.8	184.9	18,091	Rigid / Isolated	Interpolated
CXVB-172-0812-7.5	172	1	101.8	167.8	182.3	14,286	Rigid / Isolated	Interpolated
CXVB-193-0812-15	193	1	101.8	167.8	182.3	14,433	Rigid / Isolated	Interpolated
CXVB-195-0812-10	195	1	101.8	167.8	182.3	14,923	Rigid / Isolated	Interpolated
CXVB-207-0812-15	207	1	101.8	167.8	182.3	15,054	Rigid / Isolated	Interpolated
CXVB-217-0812-15	217	1	101.8	167.8	182.3	15,676	Rigid / Isolated	Interpolated
CXVB-227-0812-20	227	1	101.8	167.8	182.3	15,739	Rigid / Isolated	Interpolated
CXVB-239-0812-30	239	1	101.8	167.8	182.3	15,850	Rigid / Isolated	Interpolated
CXVB-238-0812-15	238	1	101.8	167.8	216.9	17,057	Rigid / Isolated	Interpolated
CXVB-264-0812-30	264	1	101.8	167.8	216.9	17,231	Rigid / Isolated	Interpolated
CXVB-216-0812-7.5	216	1	101.8	167.8	216.9	17,127	Rigid / Isolated	Interpolated
CXVB-259-0812-20	259	1	101.8	167.8	216.9	17,742	Rigid / Isolated	Interpolated
CXVB-221-0812-7.5	221	1	101.8	167.8	216.9	18,115	Rigid / Isolated	Interpolated
CXVB-237-0812-10	237	1	101.8	167.8	216.9	18,131	Rigid / Isolated	Interpolated
CXVB-270-0812-25	270	1	101.8	167.8	216.9	18,422	Rigid / Isolated	Interpolated
CXVB-279-0812-30	279	1	101.8	167.8	216.9	18,475	Rigid / Isolated	Interpolated

Notes:

<sup>1</sup>Base unit dimensions do not include access options or accessories

<sup>2</sup>Operating weight values do not include access options or accessories

<sup>3</sup>Overall dimensions of tested units include accessories

<sup>4</sup>Multi-Cell Unit Certification Based on Single Cell Tests

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## Table 2 - Certified Components: CXVB Units (Continued)

CXVB Model No. [Baltimore Aircoil Company]	Tons of NH3	No. of Cells	Base Unit Dimensions <sup>1</sup> [ in ]			Operating Weight <sup>2</sup> [ lb ]	Mounting Configuration	UUT
			Width	Length	Height			
CXVB-284-0812-30	284	1	101.8	167.8	216.9	19,097	Rigid / Isolated	Interpolated
CXVB-226-0812-7.5	226	1	101.8	167.8	216.9	18,981	Rigid / Isolated	Interpolated
CXVB-241-0812-10	241	1	101.8	167.8	216.9	18,997	Rigid / Isolated	Interpolated
CXVB-249-0818-22.5	249	1	101.8	239.8	156.3	20,462	Rigid / Isolated	Interpolated
CXVB-260-0818-30	260	1	101.8	239.8	156.3	20,541	Rigid / Isolated	Interpolated
CXVB-248-0818-15	248	1	101.8	239.8	188.3	21,644	Rigid / Isolated	Interpolated
CXVB-268-0818-15	268	1	101.8	239.8	188.3	22,576	Rigid / Isolated	Interpolated
CXVB-281-0818-15	281	1	101.8	239.8	188.3	23,507	Rigid / Isolated	Interpolated
CXVB-298-0818-22.5	298	1	101.8	239.8	188.3	23,691	Rigid / Isolated	Interpolated
CXVB-310-0818-30	310	1	101.8	239.8	188.3	23,770	Rigid / Isolated	Interpolated
CXVB-310-0818-15	310	1	101.8	239.8	222.9	25,709	Rigid / Isolated	Interpolated
CXVB-329-0818-22.5	329	1	101.8	239.8	222.9	25,893	Rigid / Isolated	Interpolated
CXVB-345-0818-30	345	1	101.8	239.8	222.9	25,972	Rigid / Isolated	Interpolated
CXVB-353-0818-37.5	353	1	101.8	239.8	222.9	26,175	Rigid / Isolated	Interpolated
CXVB-321-0818-15	321	1	101.8	239.8	222.9	25,925	Rigid / Isolated	Interpolated
CXVB-368-0818-37.5	368	1	101.8	239.8	222.9	26,391	Rigid / Isolated	Interpolated
CXVB-357-0818-22.5	357	1	101.8	239.8	222.9	27,563	Rigid / Isolated	Interpolated
CXVB-373-0818-30	373	1	101.8	239.8	222.9	27,642	Rigid / Isolated	Interpolated
CXVB-395-0818-45	395	1	101.8	239.8	222.9	27,897	Rigid / Isolated	Interpolated
CXVB-327-0818-15	327	1	101.8	239.8	222.9	28,505	Rigid / Isolated	Interpolated
CXVB-342-0818-15	342	1	101.8	239.8	222.9	28,710	Rigid / Isolated	Interpolated
CXVB-387-0818-30	387	1	101.8	239.8	222.9	28,973	Rigid / Isolated	Interpolated
CXVB-409-0818-45	409	1	101.8	239.8	222.9	29,228	Rigid / Isolated	Interpolated
CXVB-237-1212-10	237	1	142.0	167.8	198.8	19,197	Rigid / Isolated	Interpolated
CXVB-255-1212-15	255	1	142.0	167.8	198.8	19,328	Rigid / Isolated	Interpolated
CXVB-268-1212-20	268	1	142.0	167.8	198.8	19,391	Rigid / Isolated	Interpolated
CXVB-287-1212-30	287	1	142.0	167.8	198.8	19,520	Rigid / Isolated	Interpolated
CXVB-264-1212-10	264	1	142.0	167.8	198.8	21,244	Rigid / Isolated	Interpolated
CXVB-285-1212-15	285	1	142.0	167.8	198.8	21,375	Rigid / Isolated	Interpolated
CXVB-302-1212-20	302	1	142.0	167.8	198.8	21,438	Rigid / Isolated	Interpolated
CXVB-341-1212-40	341	1	142.0	167.8	198.8	21,735	Rigid / Isolated	Interpolated
CXVB-314-1212-15	314	1	142.0	167.8	233.4	23,406	Rigid / Isolated	Interpolated
CXVB-345-1212-25	345	1	142.0	167.8	233.4	23,500	Rigid / Isolated	Interpolated
CXVB-356-1212-30	356	1	142.0	167.8	233.4	23,598	Rigid / Isolated	Interpolated
CXVB-379-1212-40	379	1	142.0	167.8	233.4	23,766	Rigid / Isolated	Interpolated
CXVB-297-1212-10	297	1	142.0	167.8	233.4	23,586	Rigid / Isolated	Interpolated
CXVB-325-1212-15	325	1	142.0	167.8	233.4	23,717	Rigid / Isolated	Interpolated
CXVB-394-1212-40	394	1	142.0	167.8	233.4	24,077	Rigid / Isolated	Interpolated
CXVB-341-1212-20	341	1	142.0	167.8	233.4	24,492	Rigid / Isolated	Interpolated
CXVB-355-1212-25	355	1	142.0	167.8	233.4	24,524	Rigid / Isolated	Interpolated
CXVB-369-1212-30	369	1	142.0	167.8	233.4	24,622	Rigid / Isolated	Interpolated
CXVB-306-1212-10	306	1	142.0	167.8	233.4	25,213	Rigid / Isolated	Interpolated
CXVB-370-1212-25	370	1	142.0	167.8	233.4	25,439	Rigid / Isolated	Interpolated
CXVB-411-1212-40	411	1	142.0	167.8	233.4	25,705	Rigid / Isolated	Interpolated
CXVB-299-1212-10	299	1	142.0	167.8	233.4	25,322	Rigid / Isolated	Interpolated
CXVB-327-1212-15	327	1	142.0	167.8	233.4	25,453	Rigid / Isolated	Interpolated
CXVB-381-1212-30	381	1	142.0	167.8	233.4	26,669	Rigid / Isolated	Interpolated
CXVB-315-1212-10	315	1	142.0	167.8	233.4	26,640	Rigid / Isolated	Interpolated

Notes:

<sup>1</sup>Base unit dimensions do not include access options or accessories

<sup>2</sup>Operating weight values do not include access options or accessories

<sup>3</sup>Overall dimensions of tested units include accessories

<sup>4</sup>Multi-Cell Unit Certification Based on Single Cell Tests

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## Table 2 - Certified Components: CXVB Units (Continued)

CXVB Model No. [Baltimore Aircoil Company]	Tons of NH3	No. of Cells	Base Unit Dimensions <sup>1</sup> [ in ]			Operating Weight <sup>2</sup> [ lb ]	Mounting Configuration	UUT
			Width	Length	Height			
CXVB-341-1212-15	341	1	142.0	167.8	233.4	26,771	Rigid / Isolated	Interpolated
CXVB-393-1212-30	393	1	142.0	167.8	233.4	26,963	Rigid / Isolated	Interpolated
CXVB-420-1212-40	420	1	142.0	167.8	233.4	27,131	Rigid / Isolated	Interpolated
CXVB-360-1218-15	360	1	142.0	245.8	204.8	30,679	Rigid / Isolated	Interpolated
CXVB-388-1218-22.5	388	1	142.0	245.8	204.8	30,863	Rigid / Isolated	Interpolated
CXVB-414-1218-22.5	414	1	142.0	245.8	204.8	32,397	Rigid / Isolated	Interpolated
CXVB-438-1218-30	438	1	142.0	245.8	204.8	32,476	Rigid / Isolated	Interpolated
CXVB-466-1218-45	466	1	142.0	245.8	204.8	32,759	Rigid / Isolated	Interpolated
CXVB-491-1218-60	491	1	142.0	245.8	204.8	32,990	Rigid / Isolated	Interpolated
CXVB-403-1218-15	403	1	142.0	245.8	204.8	33,747	Rigid / Isolated	Interpolated
CXVB-437-1218-22.5	437	1	142.0	245.8	204.8	33,931	Rigid / Isolated	Interpolated
CXVB-490-1218-45	490	1	142.0	245.8	204.8	34,293	Rigid / Isolated	Interpolated
CXVB-444-1218-15	444	1	142.0	245.8	239.4	36,698	Rigid / Isolated	Interpolated
CXVB-482-1218-22.5	482	1	142.0	245.8	239.4	36,882	Rigid / Isolated	Interpolated
CXVB-504-1218-30	504	1	142.0	245.8	239.4	36,961	Rigid / Isolated	Interpolated
CXVB-528-1218-37.5	528	1	142.0	245.8	239.4	37,123	Rigid / Isolated	Interpolated
CXVB-543-1218-45	543	1	142.0	245.8	239.4	37,244	Rigid / Isolated	Interpolated
CXVB-574-1218-60	574	1	142.0	245.8	239.4	37,475	Rigid / Isolated	Interpolated
CXVB-457-1218-15	457	1	142.0	245.8	239.4	37,008	Rigid / Isolated	Interpolated
CXVB-525-1218-30	525	1	142.0	245.8	239.4	37,271	Rigid / Isolated	Interpolated
CXVB-563-1218-45	563	1	142.0	245.8	239.4	37,554	Rigid / Isolated	Interpolated
CXVB-601-1218-60	601	1	142.0	245.8	239.4	37,785	Rigid / Isolated	Interpolated
CXVB-513-1218-22.5	513	1	142.0	245.8	239.4	39,587	Rigid / Isolated	Interpolated
CXVB-545-1218-30	545	1	142.0	245.8	239.4	39,665	Rigid / Isolated	Interpolated
CXVB-567-1218-37.5	567	1	142.0	245.8	239.4	39,828	Rigid / Isolated	Interpolated
CXVB-628-1218-60	628	1	142.0	245.8	239.4	40,180	Rigid / Isolated	Interpolated
CXVB-459-1218-15	459	1	142.0	245.8	239.4	39,767	Rigid / Isolated	Interpolated
CXVB-467-1218-15	467	1	142.0	245.8	239.4	41,301	Rigid / Isolated	Interpolated
CXVB-483-1218-15	483	1	142.0	245.8	239.4	41,595	Rigid / Isolated	Interpolated
CXVB-525-1218-22.5	525	1	142.0	245.8	239.4	41,779	Rigid / Isolated	Interpolated
CXVB-581-1218-37.5	581	1	142.0	245.8	239.4	42,020	Rigid / Isolated	Interpolated
CXVB-601-1218-45	601	1	142.0	245.8	239.4	42,141	Rigid / Isolated	Interpolated
CXVB-643-1218-60	643	1	142.0	245.8	239.4	42,372	Rigid / Isolated	Interpolated
CXVB-643-1218-60	643	1	142.0	245.8	239.4	51,294	Rigid / Isolated	Interpolated
CXVB-643-1218-60	643	1	204.9	298.3	262.6	51,294	Isolated	UUT-2A <sup>3</sup>
CXVB-473-1224-20	473	2	142.0	340.5	198.8	38,394	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-509-1224-30	509	2	142.0	340.5	198.8	38,656	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-535-1224-40	535	2	142.0	340.5	198.8	38,782	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-573-1224-60	573	2	142.0	340.5	198.8	39,041	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-528-1224-20	528	2	142.0	340.5	198.8	42,488	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-571-1224-30	571	2	142.0	340.5	198.8	42,750	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-604-1224-40	604	2	142.0	340.5	198.8	42,876	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-681-1224-80	681	2	142.0	340.5	198.8	43,471	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-629-1224-30	629	2	142.0	340.5	233.4	46,812	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-691-1224-50	691	2	142.0	340.5	233.4	47,001	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-713-1224-60	713	2	142.0	340.5	233.4	47,197	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-759-1224-80	759	2	142.0	340.5	233.4	47,533	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-595-1224-20	595	2	142.0	340.5	233.4	47,171	Rigid / Isolated	Extrapolated <sup>4</sup>

Notes:

<sup>1</sup>Base unit dimensions do not include access options or accessories

<sup>2</sup>Operating weight values do not include access options or accessories

<sup>3</sup>Overall dimensions of tested units include accessories

<sup>4</sup>Multi-Cell Unit Certification Based on Single Cell Tests

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**Table 2 - Certified Components: CXVB Units (Continued)**

CXVB Model No. [Baltimore Aircoil Company]	Tons of NH3	No. of Cells	Base Unit Dimensions <sup>1</sup> [ in ]			Operating Weight <sup>2</sup> [ lb ]	Mounting Configuration	UUT
			Width	Length	Height			
CXVB-650-1224-30	650	2	142.0	340.5	233.4	47,434	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-788-1224-80	788	2	142.0	340.5	233.4	48,155	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-682-1224-40	682	2	142.0	340.5	233.4	48,985	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-711-1224-50	711	2	142.0	340.5	233.4	49,048	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-738-1224-60	738	2	142.0	340.5	233.4	49,244	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-612-1224-20	612	2	142.0	340.5	233.4	50,427	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-739-1224-50	739	2	142.0	340.5	233.4	50,878	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-821-1224-80	821	2	142.0	340.5	233.4	51,410	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-598-1224-20	598	2	142.0	340.5	233.4	50,644	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-655-1224-30	655	2	142.0	340.5	233.4	50,907	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-762-1224-60	762	2	142.0	340.5	233.4	53,339	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-630-1224-20	630	2	142.0	340.5	233.4	53,279	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-682-1224-30	682	2	142.0	340.5	233.4	53,542	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-786-1224-60	786	2	142.0	340.5	233.4	53,927	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-840-1224-80	840	2	142.0	340.5	233.4	54,263	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-719-1236-30	719	2	142.0	496.5	204.8	61,359	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-776-1236-45	776	2	142.0	496.5	204.8	61,726	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-827-1236-45	827	2	142.0	496.5	204.8	64,794	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-876-1236-60	876	2	142.0	496.5	204.8	64,951	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-932-1236-90	932	2	142.0	496.5	204.8	65,518	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-982-1236-120	982	2	142.0	496.5	204.8	65,980	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-806-1236-30	806	2	142.0	496.5	204.8	67,495	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-875-1236-45	875	2	142.0	496.5	204.8	67,862	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-980-1236-90	980	2	142.0	496.5	204.8	68,587	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-888-1236-30	888	2	142.0	496.5	239.4	73,396	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-964-1236-45	964	2	142.0	496.5	239.4	73,764	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1008-1236-60	1008	2	142.0	496.5	239.4	73,921	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1056-1236-75	1056	2	142.0	496.5	239.4	74,247	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1086-1236-90	1086	2	142.0	496.5	239.4	74,488	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1149-1236-120	1149	2	142.0	496.5	239.4	74,950	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-914-1236-30	914	2	142.0	496.5	239.4	74,017	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1049-1236-60	1049	2	142.0	496.5	239.4	74,542	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1126-1236-90	1126	2	142.0	496.5	239.4	75,109	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1201-1236-120	1201	2	142.0	496.5	239.4	75,571	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1027-1236-45	1027	2	142.0	496.5	239.4	79,173	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1089-1236-60	1089	2	142.0	496.5	239.4	79,331	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1134-1236-75	1134	2	142.0	496.5	239.4	79,656	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1257-1236-120	1257	2	142.0	496.5	239.4	80,359	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-918-1236-30	918	2	142.0	496.5	239.4	79,534	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-933-1236-30	933	2	142.0	496.5	239.4	82,602	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-966-1236-30	966	2	142.0	496.5	239.4	83,190	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1049-1236-45	1049	2	142.0	496.5	239.4	83,557	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1161-1236-75	1161	2	142.0	496.5	239.4	84,040	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1202-1236-90	1202	2	142.0	496.5	239.4	84,281	Rigid / Isolated	Extrapolated <sup>4</sup>
CXVB-1287-1236-120	1287	2	142.0	496.5	239.4	84,743	Rigid / Isolated	Extrapolated <sup>4</sup>

Notes:

<sup>1</sup>Base unit dimensions do not include access options or accessories

<sup>2</sup>Operating weight values do not include access options or accessories

<sup>3</sup>Overall dimensions of tested units include accessories

<sup>4</sup>Multi-Cell Unit Certification Based on Single Cell Tests

**Table 3 - Certified Material of Construction**

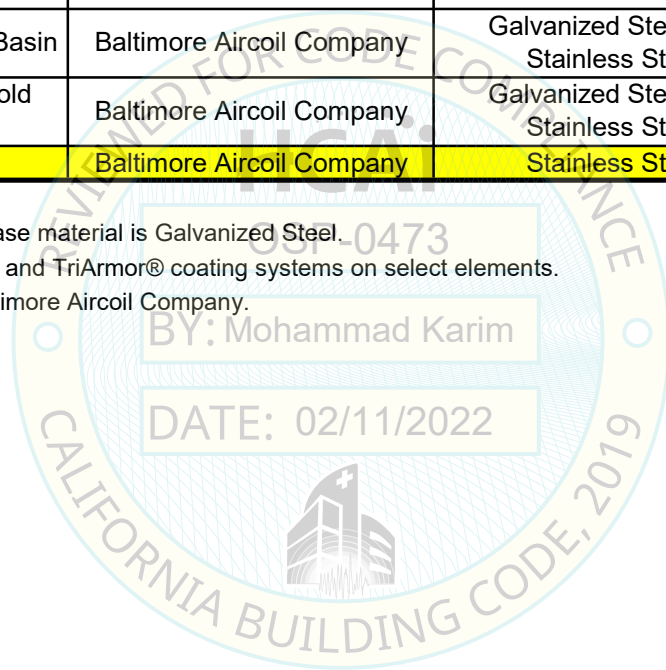
Structural Frame and Cold Basin Material of Construction (MOC) Option <sup>1,2,3</sup>	Manufacturer	MOC of Structural Frame	MOC of Cold Water Basin	UUT
Galvanized Steel	Baltimore Aircoil Company	Galvanized Steel	Galvanized Steel	UUT-1A, UUT-1B
Galvanized Steel with TriArmor® Cold Water Basin	Baltimore Aircoil Company	Galvanized Steel and Stainless Steel	Galvanized Steel	Interpolated
EVERTOUGH™ Construction	Baltimore Aircoil Company	Galvanized Steel and Stainless Steel	Galvanized Steel	Interpolated
Galvanized Steel with Stainless Steel Cold Water Basin	Baltimore Aircoil Company	Galvanized Steel and Stainless Steel	Stainless Steel	Interpolated
BALTIBOND® Construction with Stainless Steel Cold Water Basin	Baltimore Aircoil Company	Galvanized Steel and Stainless Steel	Stainless Steel	Interpolated
Stainless Steel	Baltimore Aircoil Company	Stainless Steel	Stainless Steel	UUT-2A

Notes:

<sup>1</sup>BALTIBOND® and TriArmor® are coating systems. Base material is Galvanized Steel.

<sup>2</sup>EVERTOUGH™ construction combines BALTIBOND® and TriArmor® coating systems on select elements.

<sup>3</sup>Structural frames and basins are manufactured by Baltimore Aircoil Company.

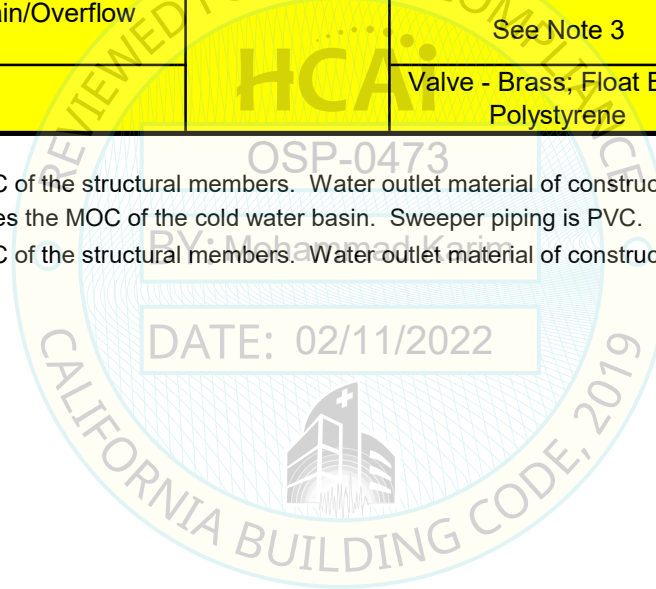


**Table 4 - Certified Recirculating Spray Water Configuration**

Recirculating Spray Water Configuration Option	Manufacturer	Material of Construction	Inlet	Outlet	UUT
End Outlet, Remote Sump Applications	Baltimore Aircoil Company	See Note 1	Top	End	Extrapolated
Bottom Outlet, Remote Sump Applications		See Note 1	Top	Bottom	Extrapolated
Sweeper Piping with Side Connection		See Note 2	End	End	Extrapolated
Sweeper Piping with Bottom Connection		See Note 2	Bottom	Bottom	UUT-2A
Integral Pump(s) w/Standard Makeup/Drain/Overflow Connections		See Note 3	Top	End	UUT-1A, UUT-1B
Mechanical Makeup		Valve - PVC; Float Ball - Polystyrene	End	N/A	UUT-1A, UUT-1B
Redundant Pump System w/Standard Makeup/Drain/Overflow Connections		See Note 3	Top	End	UUT-2A
Mechanical Makeup		Valve - Brass; Float Ball - Polystyrene	End	N/A	UUT-2A

Notes:

1. Water inlet material of construction matches the MOC of the structural members. Water outlet material of construction matches the MOC of the cold water basin.
2. Water inlet and outlet material of construction matches the MOC of the cold water basin. Sweeper piping is PVC. Sweeper piping nozzles are polypropylene.
3. Water inlet material of construction matches the MOC of the structural members. Water outlet material of construction matches the MOC of the cold water basin. Pump piping is PVC.



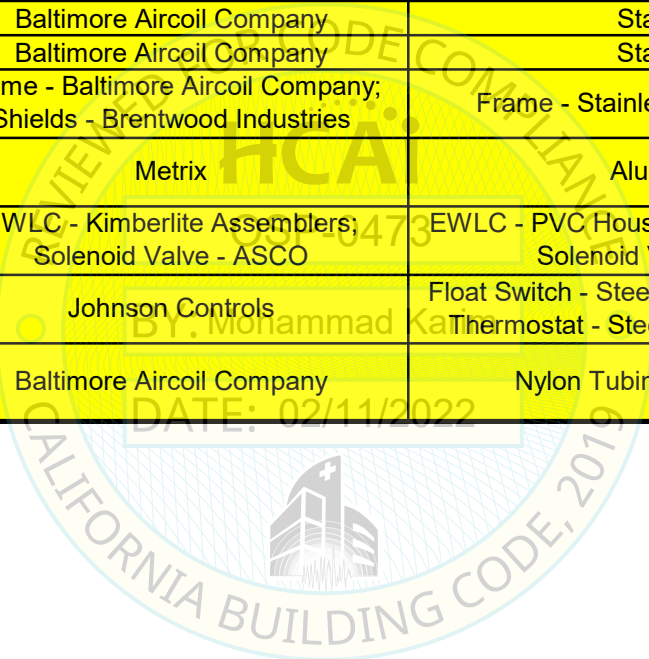
**Table 5 - Certified Access Options**

Access Option	Manufacturer	Material of Construction	UUT	
Internal Walkway	Baltimore Aircoil Company	Galvanized Steel	UUT-1A, UUT-1B	
Internal Ladder	Louisville Ladder	Aluminum		
Louver Face Platform with Guardrails, Ladder, Safety Cage, and Safety Gate				
Platform Supports	Baltimore Aircoil Company	Galvanized Steel		
Platform Grating	Creative Pultrusions	Glass Fiber Reinforced Plastic		
Guardrails (Posts and Rails)	Baltimore Aircoil Company	Galvanized Steel		
Toeboards	Baltimore Aircoil Company	Galvanized Steel		
Ladder	Louisville Ladder	Aluminum		
Safety Cage	Baltimore Aircoil Company	Galvanized Steel		
Safety Gate	PS Doors	Galvanized Steel		
Access Door Platform with Guardrails, Ladder, and Safety Gate				
Platform	Baltimore Aircoil Company	Galvanized Steel		
Platform Grating	Creative Pultrusions	Glass Fiber Reinforced Plastic		
Guardrails (Posts and Rails)	Baltimore Aircoil Company	Galvanized Steel		
Toeboards	Baltimore Aircoil Company	Galvanized Steel		
Ladder	Louisville Ladder	Aluminum		
Safety Gate	PS Doors	Galvanized Steel		
Internal Walkway	Baltimore Aircoil Company	Stainless Steel		UUT-2A
Internal Service Platform with Guardrails, Ladder, and Safety Gate				
Platform Supports	Baltimore Aircoil Company	Stainless Steel		
Platform Grating	Creative Pultrusions	Glass Fiber Reinforced Plastic		
Guardrail Posts	Baltimore Aircoil Company	Stainless Steel		
Guardrail Rails	Baltimore Aircoil Company	Galvanized Steel		
Toeboards	Baltimore Aircoil Company	Stainless Steel		
Ladder	Louisville Ladder	Aluminum		
Safety Gate	PS Doors	Galvanized Steel		
Louver Face Platform with Guardrails, Ladder, Safety Cage, and Safety Gate				
Platform Supports	Baltimore Aircoil Company	Stainless Steel		
Platform Grating	Creative Pultrusions	Glass Fiber Reinforced Plastic		
Guardrail Posts	Baltimore Aircoil Company	Stainless Steel		
Guardrail Rails	Baltimore Aircoil Company	Galvanized Steel		
Toeboards	Baltimore Aircoil Company	Stainless Steel		
Ladder	Louisville Ladder	Aluminum		
Safety Cage	Baltimore Aircoil Company	Galvanized Steel		
Safety Gate	PS Doors	Galvanized Steel		
Access Door Platform with Guardrails, Ladder, and Safety Gate				
Platform	Baltimore Aircoil Company	Stainless Steel		
Platform Grating	Creative Pultrusions	Glass Fiber Reinforced Plastic		
Guardrail Posts	Baltimore Aircoil Company	Stainless Steel		
Guardrail Rails	Baltimore Aircoil Company	Galvanized Steel		
Toeboards	Baltimore Aircoil Company	Stainless Steel		
Ladder	Louisville Ladder	Aluminum		
Safety Gate	PS Doors	Galvanized Steel		



**Table 6 - Certified Subcomponents: Accessories**

Accessory	Manufacturer	Material of Construction	UUT
11 5/8" Fan Cylinder Extension	Baltimore Aircoil Company	Galvanized Steel	Extrapolated
1'-11 1/4" Fan Cylinder Extension	Baltimore Aircoil Company	Galvanized Steel	UUT-1A, UUT-1B
Combined Inlet Shields on Coil Air Intake	Frame - Baltimore Aircoil Company; Shields - Brentwood Industries	Frame - Galvanized Steel; Shields - PVC	UUT-1A, UUT-1B
Fan Motor Removal System	Baltimore Aircoil Company	Galvanized Steel	UUT-1A, UUT-1B
11 5/8" Fan Cylinder Extension	Baltimore Aircoil Company	Stainless Steel	Extrapolated
1'-11 1/4" Fan Cylinder Extension	Baltimore Aircoil Company	Stainless Steel	UUT-2A
Fan Motor Removal System	Baltimore Aircoil Company	Stainless Steel	UUT-2A
Combined Inlet Shields on Coil Air Intake	Frame - Baltimore Aircoil Company; Shields - Brentwood Industries	Frame - Stainless Steel; Shields - PVC	UUT-2A
Vibration Cutout Switches	Metrix	Aluminum Case	UUT 1A, UUT-1B, UUT-2A
Electric Water Level Control (EWLC) with Solenoid Valve	EWLC - Kimberlite Assemblers; Solenoid Valve - ASCO	EWLC - PVC Housing, Stainless Steel Probes; Solenoid Valve - Brass Body	UUT 1A, UUT-1B, UUT-2A
Low Water Cutout and Thermostat	Johnson Controls	Float Switch - Steel Case, Polypropylene Float; Thermostat - Steel Case, Copper Bulb Well	UUT 1A, UUT-1B, UUT-2A
Extended Lubrication Lines	Baltimore Aircoil Company	Nylon Tubing; Brass Connectors	UUT 1A, UUT-1B, UUT-2A



**Table 7 - Certified Subcomponents: Coils**

Model No.	Manufacturer	Material of Construction	Coil Configuration	No. of Coil Circuits	Approximate Weight [ lb ]	UUT
080612D	Baltimore Aircoil Company	Galvanized Steel	Dual	12	1,085	Extrapolated
080616D			Dual	16	1,364	Extrapolated
080620D			Dual	20	1,644	Extrapolated
080624D			Dual	24	2,034	Extrapolated
080628D			Dual	28	2,313	Extrapolated
080632D			Dual	32	2,593	Extrapolated
080636D			Dual	36	2,873	Extrapolated
080912D			Dual	12	1,543	Extrapolated
080916D			Dual	16	1,961	Extrapolated
080920D			Dual	20	2,380	Extrapolated
080924D			Dual	24	2,939	Extrapolated
080924T			Tri	24	3,145	Extrapolated
080928D			Dual	28	3,357	Extrapolated
080930T			Tri	30	3,826	Extrapolated
080932D			Dual	32	3,776	Extrapolated
<b>080936D</b>			Dual	36	<b>4,195</b>	<b>UUT-1A, UUT-1B</b>
080936T			Tri	36	4,391	Interpolated
081212D			Dual	12	1,960	Interpolated
081216D			Dual	16	2,517	Interpolated
081216Q			Dual	16	2,686	Interpolated
081220D			Dual	20	3,076	Interpolated
081223Q			Dual	23	3,775	Interpolated
081223T			Tri	23	3,816	Interpolated
081224D			Dual	24	3,772	Interpolated
081224Q			Tri	24	3,937	Interpolated
081224T			Tri	24	3,978	Interpolated
081228D			Dual	28	4,330	Interpolated
081230T			Tri	30	4,869	Interpolated
081232Q			Quad	32	5,044	Interpolated
081236T			Tri	36	5,643	Interpolated
081812D			Dual	12	2,835	Interpolated
081816D			Dual	16	3,671	Interpolated
081816Q			Quad	16	3,840	Interpolated
081823Q			Quad	23	5,491	Interpolated
081823T			Tri	23	5,533	Interpolated
081824Q			Quad	24	5,675	Interpolated
081824T	Tri	24	5,717	Interpolated		
081830T	Tri	30	7,026	Interpolated		
081832Q	Quad	32	7,340	Interpolated		
121212D	Dual	12	3,097	Interpolated		
121216D	Dual	16	4,015	Interpolated		
121216Q	Quad	16	4,268	Interpolated		
121220D	Dual	20	4,934	Interpolated		
121223Q	Quad	23	6,060	Interpolated		
121223T	Tri	23	6,111	Interpolated		
121224D	Dual	24	6,011	Interpolated		
121224Q	Quad	24	6,256	Interpolated		
121224T	Tri	24	6,307	Interpolated		
121228D	Dual	28	6,930	Interpolated		
121230T	Tri	30	7,773	Interpolated		
121232D	Dual	32	7,849	Interpolated		

**Table 7 - Certified Subcomponents: Coils (Continued)**

Model No.	Manufacturer	Material of Construction	Coil Configuration	No. of Coil Circuits	Approximate Weight [ lb ]	UUT
121232Q	Baltimore Aircoil Company	Galvanized Steel	Quad	32	8,079	Interpolated
121236D			Dual	36	8,768	Interpolated
121236T			Tri	36	9,048	Interpolated
121812D			Dual	12	4,538	Interpolated
121816D			Dual	16	5,914	Interpolated
121816Q			Quad	16	6,167	Interpolated
121820D			Dual	20	7,291	Interpolated
121823Q			Quad	23	8,885	Interpolated
121823T			Tri	23	8,937	Interpolated
121824Q			Quad	24	9,117	Interpolated
121824T			Tri	24	9,170	Interpolated
121830T			Tri	30	11,324	Interpolated
121832Q			Quad	32	11,859	Interpolated
121836T			Tri	36	13,285	Interpolated
080612D			Dual	12	1,085	Interpolated
080616D			Dual	16	1,364	Interpolated
080620D			Dual	20	1,644	Interpolated
080624D			Dual	24	2,034	Interpolated
080628D			Dual	28	2,313	Interpolated
080632D			Dual	32	2,593	Interpolated
080636D			Dual	36	2,873	Interpolated
080912D			Dual	12	1,543	Interpolated
080916D			Dual	16	1,961	Interpolated
080920D			Dual	20	2,380	Interpolated
080924D		Dual	24	2,939	Interpolated	
080924T		Tri	24	3,145	Interpolated	
080928D		Dual	28	3,357	Interpolated	
080930T		Tri	30	3,826	Interpolated	
080932D		Dual	32	3,776	Interpolated	
080936D		Dual	36	4,195	Interpolated	
080936T		Tri	36	4,391	Interpolated	
081212D		Dual	12	1,960	Interpolated	
081216D		Dual	16	2,517	Interpolated	
081216Q		Quad	16	2,686	Interpolated	
081220D	Dual	20	3,076	Interpolated		
081223Q	Quad	23	3,775	Interpolated		
081223T	Tri	23	3,816	Interpolated		
081224D	Dual	24	3,772	Interpolated		
081224Q	Quad	24	3,937	Interpolated		
081224T	Tri	24	3,978	Interpolated		
081228D	Dual	28	4,330	Interpolated		
081230T	Tri	30	4,869	Interpolated		
081232Q	Quad	32	5,044	Interpolated		
081236T	Tri	36	5,643	Interpolated		
081812D	Dual	12	2,835	Interpolated		
081816D	Dual	16	3,671	Interpolated		
081816Q	Quad	16	3,840	Interpolated		
081823Q	Quad	23	5,491	Interpolated		
081823T	Tri	23	5,533	Interpolated		
081824Q	Quad	24	5,675	Interpolated		
081824T	Tri	24	5,717	Interpolated		



**Table 7 - Certified Subcomponents: Coils (Continued)**

Model No.	Manufacturer	Material of Construction	Coil Configuration	No. of Coil Circuits	Approximate Weight [ lb ]	UUT
081830T	Baltimore Aircoil Company	Stainless Steel	Tri	30	7,026	Interpolated
081832Q			Quad	32	7,340	Interpolated
121212D			Dual	12	3,097	Interpolated
121216D			Dual	16	4,015	Interpolated
121216Q			Quad	16	4,268	Interpolated
121220D			Dual	20	4,934	Interpolated
121223Q			Quad	23	6,060	Interpolated
121223T			Tri	23	6,111	Interpolated
121224D			Dual	24	6,011	Interpolated
121224Q			Quad	24	6,256	Interpolated
121224T			Tri	24	6,307	Interpolated
121228D			Dual	28	6,930	Interpolated
121230T			Tri	30	7,773	Interpolated
121232D			Dual	32	7,849	Interpolated
121232Q			Quad	32	8,079	Interpolated
121236D			Dual	36	8,768	Interpolated
121236T			Tri	36	9,048	Interpolated
121812D			Dual	12	4,538	Interpolated
121816D			Dual	16	5,914	Interpolated
121816Q			Quad	16	6,167	Interpolated
121820D			Dual	20	7,291	Interpolated
121823Q			Quad	23	8,885	Interpolated
121823T			Tri	23	8,937	Interpolated
121824Q			Quad	24	9,117	Interpolated
121824T			Tri	24	9,170	Interpolated
121830T			Tri	30	11,324	Interpolated
121832Q			Quad	32	11,859	Interpolated
121836T			Tri	36	13,285	UUT-2A

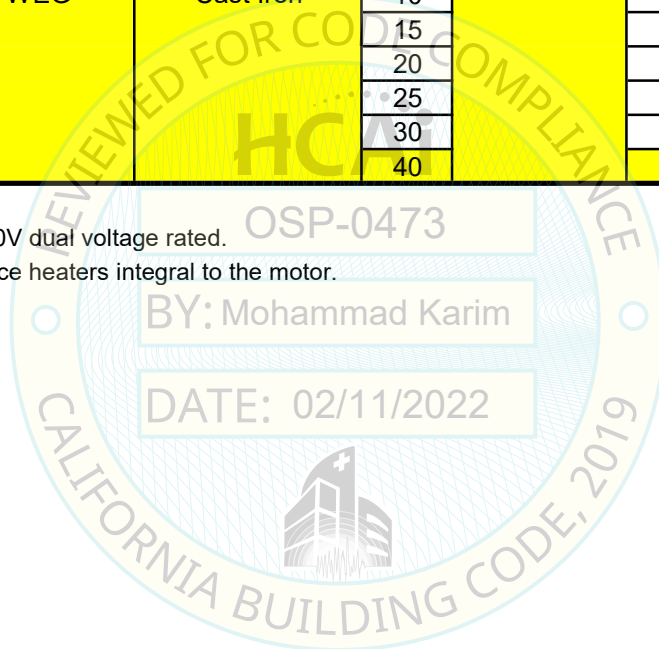
**Table 8 - Certified Subcomponents: Fan Motors**

BAC Part Number	Manufacturer	Material of Construction	HP	Voltage <sup>1</sup>	Approximate Weight [ lb ]	UUT <sup>2</sup>
22QE	Nidec	Cast Iron	1.5	200, 230, 230/460, 460, or 575 (60 Hz); 190, 190/380, or 380 (50 Hz)	110	Extrapolated
22QF			2		160	Extrapolated
22QG			3		175	UUT-1B
22QH			5		300	Interpolated
22QJ			7.5		360	Interpolated
22QK			10		390	Interpolated
22QL			15		440	Interpolated
22QM			20		600	UUT-2A
22FE			WEG		Cast Iron	1.5
22FF	2	160				Extrapolated
22FG	3	175				UUT-1B
22FH	5	300				UUT-1A
22FJ	7.5	360				Interpolated
22FK	10	390				Interpolated
22FL	15	440				Interpolated
22FM	20	600				Interpolated
22FN	25	625				Interpolated
22FO	30	830				Interpolated
22FP	40	910				UUT-2A

Note:

<sup>1</sup>Tested motors were 230/460V dual voltage rated.

<sup>2</sup>Tested motors included space heaters integral to the motor.



**Table 9 - Certified Subcomponents: Fans**

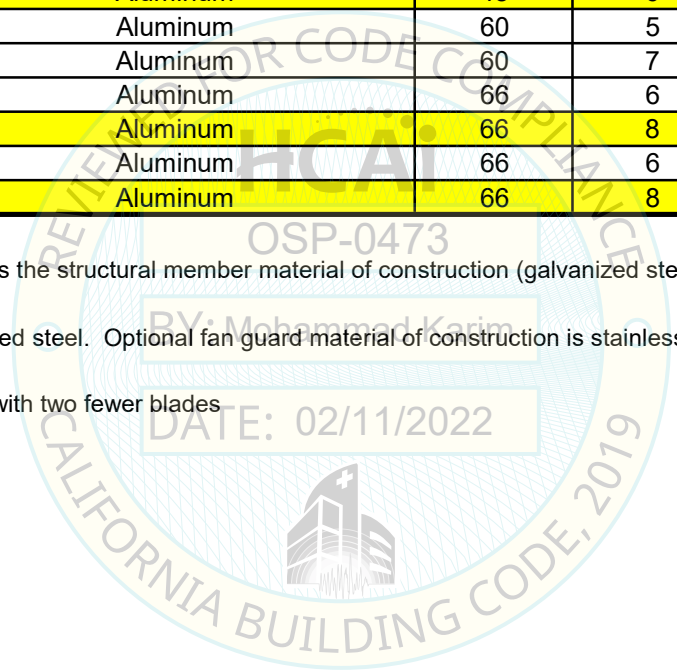
Model No.	Manufacturer	Blade Material of Construction <sup>1,2</sup>	Diameter [ in ]	No. of Blades	Approximate Weight [ lb ]	UUT
48/6/FRP/M	Multi-Wing	Glass Fiber Reinforced Plastic	48	6	24	UUT-1A, UUT-1B
60/8/FRP/M		Glass Fiber Reinforced Plastic	60	8	49	Interpolated
66/8/FRP/M		Glass Fiber Reinforced Plastic	66	8	51	UUT-2A
48/5/ALM/C	Cofimco	Aluminum	48	5	45	UUT-1B
48/6/ALM/C		Aluminum	48	6	43	UUT-1A, UUT-1B
60/5/ALM/C		Aluminum	60	5	55	Interpolated
60/7/ALM/C		Aluminum	60	7	45	Interpolated
66/6/ALM/C		Aluminum	66	6	45	Interpolated
66/8/ALM/C		Aluminum	66	8	43	UUT-2A
66/6/ALM/B		Bailsco	Aluminum	66	6	34
66/8/ALM/B	Aluminum		66	8	43	UUT-2A

Note:

<sup>1</sup>Fan cylinder (housing) material of construction matches the structural member material of construction (galvanized steel or stainless steel). Fan cylinder manufacturer is Baltimore Aircoil Company.

<sup>2</sup>Standard fan guard material of construction is galvanized steel. Optional fan guard material of construction is stainless steel. Galvanized fan guards tested on UUT1A/1B. Stainless steel fan guards tested on UUT2A.

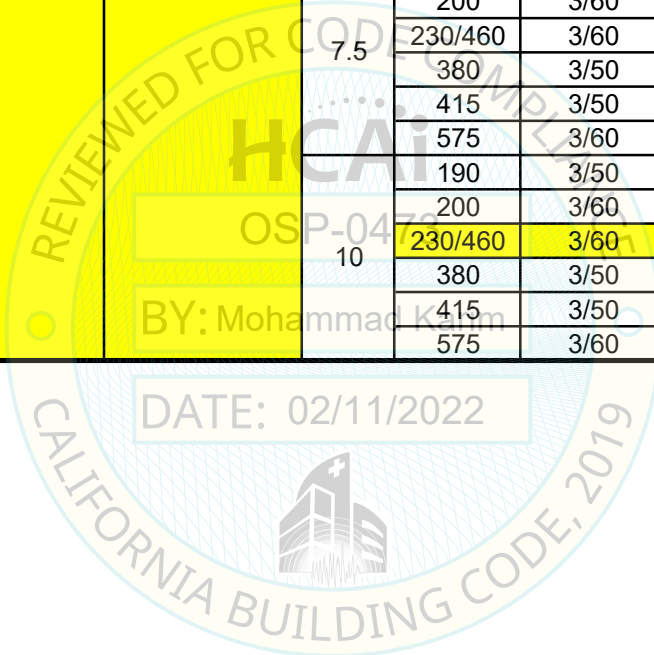
<sup>3</sup>Extrapolated fan is the same as tested in UUT2A, but with two fewer blades.





**Table 10 - Certified Subcomponents: Pumps**

Model No.	Manufacturer	Material of Construction	HP	Voltage	Phase/Hz	Approximate Weight [ lb ]	UUT	
3050-5-145-JM	Grundfos	Cast Iron	2	190	3/50	77	Extrapolated	
3050-5-145-JM				200	3/60	77	Extrapolated	
3050-5-145-JM				230/460	3/60	77	Extrapolated	
4070-9-184-JM				380	3/50	77	Extrapolated	
3070-7-182-JM				415	3/50	77	Extrapolated	
3050-5-145-JM				575	3/60	77	Extrapolated	
4070-9-184-JM			5	190	3/50	175	Extrapolated	
4070-9-184-JM				200	3/60	175	Extrapolated	
4070-9-184-JM				230/460	3/60	175	UUT-1A, UUT-1B	
4070-9-184-JM				380	3/50	175	Interpolated	
4070-9-184-JM				415	3/50	175	Interpolated	
4070-9-184-JM				575	3/60	175	Interpolated	
4070-9-213-JM				7.5	190	3/50	226	Interpolated
4070-9-213-JM					200	3/60	226	Interpolated
4070-9-213-JM					230/460	3/60	226	Interpolated
4070-9-213-JM					380	3/50	226	Interpolated
4070-9-213-JM					415	3/50	226	Interpolated
4070-9-213-JM					575	3/60	226	Interpolated
6095-1-215-JM			10		190	3/50	575	Interpolated
6095-1-256-JM					200	3/60	575	Interpolated
6095-1-256-JM					230/460	3/60	575	UUT-2A
6095-1-215-JM					380	3/50	575	Extrapolated
6095-1-215-JM				415	3/50	575	Extrapolated	
6095-1-256-JM				575	3/60	575	Extrapolated	



**Table 11 - Certified Subcomponents: Basin Heaters**

Model No.	Manufacturer	Heater Element Material of Construction	kW	Voltage	Phase/Hz	Approximate Weight [ lb ]	UUT
4/200/3/60/10.5/C	Indeeco	Copper	4	200	3/60	12	Extrapolated
4/230/3/60/10.5/C			4	230	3/60	12	Extrapolated
4/380/3/50/10.5/C			4	380	3/50	12	Extrapolated
4/380/3/60/10.5/C			4	380	3/60	12	Extrapolated
4/415/3/50/10.5/C			4	415	3/50	12	Extrapolated
4/460/3/60/10.5/C			4	460	3/60	12	UUT-1A, UUT-1B
4/575/3/60/10.5/C			4	575	3/60	12	Interpolated
6/200/3/60/15/C			6	200	3/60	13	Interpolated
6/230/3/60/15/C			6	230	3/60	13	Interpolated
6/380/3/50/15/C			6	380	3/50	13	Interpolated
6/380/3/60/15/C			6	380	3/60	13	Interpolated
6/415/3/50/15/C			6	415	3/50	13	Interpolated
6/460/3/60/15/C			6	460	3/60	13	Interpolated
6/575/3/60/15/C			6	575	3/60	13	Interpolated
8/200/3/60/19.5/C			8	200	3/60	14	Interpolated
8/230/3/60/19.5/C			8	230	3/60	14	Interpolated
8/380/3/50/19.5/C			8	380	3/50	14	Interpolated
8/380/3/60/19.5/C			8	380	3/60	14	Interpolated
8/415/3/50/19.5/C			8	415	3/50	14	Interpolated
8/460/3/60/19.5/C			8	460	3/60	14	Interpolated
8/575/3/60/19.5/C			8	575	3/60	14	Interpolated
9/200/3/60/21.75/C			9	200	3/60	14	Interpolated
9/230/3/60/21.75/C			9	230	3/60	14	Interpolated
9/380/3/50/21.75/C			9	380	3/50	14	Interpolated
9/380/3/60/21.75/C			9	380	3/60	14	Interpolated
9/415/3/50/21.75/C			9	415	3/50	14	Interpolated
9/460/3/60/21.75/C			9	460	3/60	14	Interpolated
9/575/3/60/21.75/C			9	575	3/60	14	Interpolated
10/200/3/60/24/C			10	200	3/60	15	Interpolated
10/230/3/60/24/C			10	230	3/60	15	Interpolated
10/380/3/50/24/C			10	380	3/50	15	Interpolated
10/380/3/60/24/C			10	380	3/60	15	Interpolated
10/415/3/50/24/C			10	415	3/50	15	Interpolated
10/460/3/60/24/C			10	460	3/60	15	Interpolated
10/575/3/60/24/C			10	575	3/60	15	Interpolated
12/200/3/60/28.5/C			12	200	3/60	15	Interpolated
12/230/3/60/28.5/C			12	230	3/60	15	Interpolated
12/380/3/50/28.5/C			12	380	3/50	15	Interpolated
12/380/3/60/28.5/C			12	380	3/60	15	Interpolated
12/415/3/50/28.5/C			12	415	3/50	15	Interpolated
12/460/3/60/28.5/C			12	460	3/60	15	Interpolated
12/575/3/60/28.5/C			12	575	3/60	15	Interpolated
14/200/3/60/38.25/C	14	200	3/60	16	Interpolated		
14/230/3/60/38.25/C	14	230	3/60	16	Interpolated		
14/380/3/50/38.25/C	14	380	3/50	16	Interpolated		
14/380/3/60/38.25/C	14	380	3/60	16	Interpolated		
14/415/3/50/38.25/C	14	415	3/50	16	Interpolated		
14/460/3/60/38.25/C	14	460	3/60	16	Interpolated		
14/575/3/60/38.25/C	14	575	3/60	16	Interpolated		
16/200/3/60/37.75/C	16	200	3/60	17	Interpolated		
16/230/3/60/37.75/C	16	230	3/60	17	Interpolated		

**Table 11 - Certified Subcomponents: Basin Heaters (Continued)**

Model No.	Manufacturer	Heater Element Material of Construction	kW	Voltage	Phase/Hz	Approximate Weight [ lb ]	UUT
16/380/3/50/37.75/C	Indeeco	Copper	16	380	3/50	17	Interpolated
16/380/3/60/37.75/C			16	380	3/60	17	Interpolated
16/415/3/50/37.75/C			16	415	3/50	17	Interpolated
16/460/3/60/37.75/C			16	460	3/60	17	Interpolated
16/575/3/60/37.75/C			16	575	3/60	17	Interpolated
18/200/3/60/41.75/C			18	200	3/60	17	Interpolated
18/230/3/60/41.75/C			18	230	3/60	17	Interpolated
18/380/3/50/41.75/C			18	380	3/50	17	Interpolated
18/380/3/60/41.75/C			18	380	3/60	17	Interpolated
18/415/3/50/41.75/C			18	415	3/50	17	Interpolated
18/460/3/60/41.75/C			18	460	3/60	17	Interpolated
18/575/3/60/41.75/C			18	575	3/60	17	Interpolated
20/200/3/60/46/C			20	200	3/60	18	Interpolated
20/230/3/60/46/C			20	230	3/60	18	Interpolated
20/380/3/50/46/C			20	380	3/50	18	Interpolated
20/380/3/60/46/C			20	380	3/60	18	Interpolated
20/415/3/50/46/C			20	415	3/50	18	Interpolated
20/460/3/60/46/C			20	460	3/60	18	Interpolated
20/575/3/60/46/C			20	575	3/60	18	Interpolated
24/200/3/60/56/C			24	200	3/60	18	Interpolated
24/230/3/60/56/C			24	230	3/60	18	Interpolated
24/380/3/50/56/C			24	380	3/50	18	Interpolated
24/380/3/60/56/C			24	380	3/60	18	Interpolated
24/415/3/50/56/C			24	415	3/50	18	Interpolated
24/460/3/60/56/C		24	460	3/60	18	UUT-2A	
24/575/3/60/56/C		24	575	3/60	18	Extrapolated	
4/200/3/60/10.5/S		4	200	3/60	12	Extrapolated	
4/230/3/60/10.5/S		4	230	3/60	12	Extrapolated	
4/380/3/50/10.5/S		4	380	3/50	12	Extrapolated	
4/380/3/60/10.5/S		4	380	3/60	12	Extrapolated	
4/415/3/50/10.5/S		4	415	3/50	12	Extrapolated	
4/460/3/60/10.5/S		4	460	3/60	12	UUT-1A, UUT-1B	
4/575/3/60/10.5/S		4	575	3/60	12	Interpolated	
6/200/3/60/15/S		6	200	3/60	13	Interpolated	
6/230/3/60/15/S		6	230	3/60	13	Interpolated	
6/380/3/50/15/S		6	380	3/50	13	Interpolated	
6/380/3/60/15/S		6	380	3/60	13	Interpolated	
6/415/3/50/15/S		6	415	3/50	13	Interpolated	
6/460/3/60/15/S		6	460	3/60	13	Interpolated	
6/575/3/60/15/S		6	575	3/60	13	Interpolated	
8/200/3/60/19.5/S		8	200	3/60	14	Interpolated	
8/230/3/60/19.5/S		8	230	3/60	14	Interpolated	
8/380/3/50/19.5/S		8	380	3/50	14	Interpolated	
8/380/3/60/19.5/S		8	380	3/60	14	Interpolated	
8/415/3/50/19.5/S		8	415	3/50	14	Interpolated	
8/460/3/60/19.5/S		8	460	3/60	14	Interpolated	
8/575/3/60/19.5/S		8	575	3/60	14	Interpolated	
9/200/3/60/21.75/S		9	200	3/60	14	Interpolated	
9/230/3/60/21.75/S	9	230	3/60	14	Interpolated		
9/380/3/50/21.75/S	9	380	3/50	14	Interpolated		
9/380/3/60/21.75/S	9	380	3/60	14	Interpolated		



**Table 11 - Certified Subcomponents: Basin Heaters (Continued)**

Model No.	Manufacturer	Heater Element Material of Construction	kW	Voltage	Phase/Hz	Approximate Weight [ lb ]	UUT
9/415/3/50/21.75/S	Indeeco	Stainless Steel	9	415	3/50	14	Interpolated
9/460/3/60/21.75/S			9	460	3/60	14	Interpolated
9/575/3/60/21.75/S			9	575	3/60	14	Interpolated
10/200/3/60/24/S			10	200	3/60	15	Interpolated
10/230/3/60/24/S			10	230	3/60	15	Interpolated
10/380/3/50/24/S			10	380	3/50	15	Interpolated
10/380/3/60/24/S			10	380	3/60	15	Interpolated
10/415/3/50/24/S			10	415	3/50	15	Interpolated
10/460/3/60/24/S			10	460	3/60	15	Interpolated
10/575/3/60/24/S			10	575	3/60	15	Interpolated
12/200/3/60/28.5/S			12	200	3/60	15	Interpolated
12/230/3/60/28.5/S			12	230	3/60	15	Interpolated
12/380/3/50/28.5/S			12	380	3/50	15	Interpolated
12/380/3/60/28.5/S			12	380	3/60	15	Interpolated
12/415/3/50/28.5/S			12	415	3/50	15	Interpolated
12/460/3/60/28.5/S			12	460	3/60	15	Interpolated
12/575/3/60/28.5/S			12	575	3/60	15	Interpolated
14/200/3/60/38.25/S			14	200	3/60	16	Interpolated
14/230/3/60/38.25/S			14	230	3/60	16	Interpolated
14/380/3/50/38.25/S			14	380	3/50	16	Interpolated
14/380/3/60/38.25/S			14	380	3/60	16	Interpolated
14/415/3/50/38.25/S			14	415	3/50	16	Interpolated
14/460/3/60/38.25/S			14	460	3/60	16	Interpolated
14/575/3/60/38.25/S			14	575	3/60	16	Interpolated
16/200/3/60/37.75/S			16	200	3/60	17	Interpolated
16/230/3/60/37.75/S			16	230	3/60	17	Interpolated
16/380/3/50/37.75/S			16	380	3/50	17	Interpolated
16/380/3/60/37.75/S			16	380	3/60	17	Interpolated
16/415/3/50/37.75/S			16	415	3/50	17	Interpolated
16/460/3/60/37.75/S			16	460	3/60	17	Interpolated
16/575/3/60/37.75/S			16	575	3/60	17	Interpolated
18/200/3/60/41.75/S			18	200	3/60	17	Interpolated
18/230/3/60/41.75/S			18	230	3/60	17	Interpolated
18/380/3/50/41.75/S			18	380	3/50	17	Interpolated
18/380/3/60/41.75/S			18	380	3/60	17	Interpolated
18/415/3/50/41.75/S			18	415	3/50	17	Interpolated
18/460/3/60/41.75/S			18	460	3/60	17	Interpolated
18/575/3/60/41.75/S			18	575	3/60	17	Interpolated
20/200/3/60/46/S			20	200	3/60	18	Interpolated
20/230/3/60/46/S			20	230	3/60	18	Interpolated
20/380/3/50/46/S			20	380	3/50	18	Interpolated
20/380/3/60/46/S			20	380	3/60	18	Interpolated
20/415/3/50/46/S			20	415	3/50	18	Interpolated
20/460/3/60/46/S			20	460	3/60	18	Interpolated
20/575/3/60/46/S			20	575	3/60	18	Interpolated
24/200/3/60/56/S	24	200	3/60	18	Interpolated		
24/230/3/60/56/S	24	230	3/60	18	Interpolated		
24/380/3/50/56/S	24	380	3/50	18	Interpolated		
24/380/3/60/56/S	24	380	3/60	18	Interpolated		
24/415/3/50/56/S	24	415	3/50	18	Interpolated		
24/460/3/60/56/S	24	460	3/60	18	UUT-2A		
24/575/3/60/56/S	24	575	3/60	18	Extrapolated		



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-1A

Test Report # VMA-50510-01E

Model Line	Model Number	Manufacturer
FXV Closed Circuit Cooling Towers and CXVB Evaporative Condensers	FXV-0809B-36D-H / CXVB-158-0809-5	Baltimore Aircoil Company

### Product Construction Summary

Galvanized carbon steel structural frame and cold water basin

### Options / Subcomponent Summary

Integral pumps with standard makeup/drain/overflow connections; mechanical makeup; internal walkway; internal ladder; louver face platform with guardrails, ladder, safety cage and safety gate; access door platform with guardrails, ladder and safety gate; 1'-11 1/4" fan cylinder extensions; combined inlet shields on coil air intake; fan motor removal system; vibration cutout switches, electric water level control with solenoid valve; low water cutout and thermostat; extended lubrication lines; galvanized steel dual coils; 5 HP Weg fan motor; Multi-Wing glass fiber reinforced plastic 48" diameter fan; Cofimco aluminum 48" diameter fan; 5 HP Grundfos pump; Indeeco copper and stainless steel element basin heaters.

### UUT Properties

Weight [ lb ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
15,720	170.5	164.6	239.0	6.0	6.3	15.8

### UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	1.5	1.0	1.5	2.40	1.80	1.00	0.40
		2.5	0.0		2.50	1.00	1.67	0.67

### Test Mounting Details

Unit was rigidly attached to shake table interface frame with (8) 3/4" diameter Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-1B

Test Report # VMA-50510-01E

Model Line	Model Number	Manufacturer
FXV Closed Circuit Cooling Towers and CXVB Evaporative Condensers	FXV-0809B-36D-H / CXVB-158-0809-5	Baltimore Aircoil Company

### Product Construction Summary

Galvanized carbon steel structural frame and cold water basin

### Options / Subcomponent Summary

Integral pumps with standard makeup/drain/overflow connections; mechanical makeup; internal walkway; internal ladder; louver face platform with guardrails, ladder, safety cage and safety gate; access door platform with guardrails, ladder and safety gate; 1'-11 1/4" fan cylinder extensions; combined inlet shields on coil air intake; fan motor removal system; vibration cutout switches, electric water level control with solenoid valve; low water cutout and thermostat; extended lubrication lines; galvanized steel dual coils; 3 HP Nidec fan motor; 3 HP Weg fan motor; Multi-Wing glass fiber reinforced plastic 48" diameter fan; Cofimco aluminum 48" diameter fans (2); 5 HP Grundfos pump; Indeeco copper and stainless steel element basin heaters.

### UUT Properties

Weight [ lb ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
16,060	170.5	164.6	239.0	5.3	6.3	16.3

### UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	1.5	1.0	1.5	2.40	1.80	1.00	0.40
		2.5	0.0		2.50	1.00	1.67	0.67

### Test Mounting Details

Unit was rigidly attached to shake table interface frame with (8) 3/4" diameter Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

UUT-2A

Test Report # VMA-50510-01E

Model Line	Model Number	Manufacturer
FXV Closed Circuit Cooling Towers and CXVB Evaporative Condensers	FXV-1218C-36T-L / CXVB-643-1218-60	Baltimore Aircoil Company

### Product Construction Summary

Stainless steel structural frame and cold water basin

### Options / Subcomponent Summary

Sweeper piping with bottom connection; redundant pump system with standard makeup/drain/overflow connections; mechanical makeup; internal walkway; internal service platform with guardrails, ladder and safety gate; lower face platform with guardrails, ladder, safety cage and safety gate; access door platform with guardrails, ladder and safety gate; 1'-11 1/4" fan cylinder extensions; combined inlet shields on coil air intake; fan motor removal system; vibration cutout switches, electric water level control with solenoid valve; low water cutout and thermostat; extended lubrication lines; stainless steel tri coils; 20 HP Nidec fan motor; 40 HP Weg fan motor; Multi-Wing glass fiber reinforced plastic 66" diameter fan; Cofimco and Bailsco aluminum 66" diameter fans; 10 HP Grundfos pumps; Indeeco copper and stainless steel element basin heaters.

### UUT Properties

Weight [ lb ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
51,294	298.3	204.9	262.6	1.8	1.5	3.5

### UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	1.5	1.00	1.5	2.40	1.80	1.00	0.40
		2.5	0.00		2.50	1.00	1.67	0.67

### Test Mounting Details

The unit was flexibly attached to the shake table with (6) Mason SLFADA600 isolators and a specialized fixture. (48) 1" diameter Grade 8 bolts attached the isolators to the table. (24) 1" diameter Grade 8 bolts attached the fixture to the isolators. The unit was bolted directly to the specialized fixture with (16) 3/4" diameter Grade 5 bolts.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.