



4401 Springfield St.
Dayton, OH 45431
OH LIC # 24297
937.254.3235
800.254.9455
msdinc.net

SUBMITTAL COVER SHEET

PROJECT

220390 Mercantile Library Building

ENGINEER

KLH Engineers

ARCHITECT

SPECIFICATIONS NO.

ITEM

Water Source Heat Pumps

Submittal # 03.1

- Approved
 Disapproved

Date: 11/17/2022

Submitted by: Reed Hanes

Approved as noted per
KHL's comments in
email on page 2.
-Jim Verlander, MSD

From: [Patrick Fernbach](#)
To: [Reed Hanes](#); [Jim Verlander](#)
Cc: [Mike Schulte](#); [Zach Wagner](#); [Margaret Norbut](#)
Subject: RE: Mercantile Library Submittals
Date: Friday, December 2, 2022 3:49:41 PM

Reed & Jim,

I already discussed these comments with Stoermer, but for everyone's records. Stoermer should be sending over record submittals, but this should get us through submittal and get this equipment ordered.

01.1 Dirt and Air Separator, Expansion Tank

DAS-1

No exceptions.

ET-1 and ET-2

Please make minimum flow temperature 50F and verify size of expansion tank is sufficient for the system.

02.1 Hydronic Pumps

HW-1 & 2

Please make power supply 208/3 as previously discussed.

Please size for 250 GPM. This was updated previously during design and coordinated. Please confirm most accurate submittal is received.

CWP-1 & 2

Please make power supply 208/3 as previously discussed.

Library Circulator

We will need. Just got confirmation this week. Please add back in.

03.1 WSHP

Please include WSHP-13 as previously sent.

WSHP-X01

Thermostat and controls by MSD controls team. Submittal is correct.

WSHP-C, WSHP-X03, WSHP-X08, WSHP-X09, WSHP-X05

Thermostat and controls by MSD controls team. Submittal is correct.

WSHP-X02, WSHP-X04, WSHP-X06

Thermostat and controls by MSD controls team. Submittal is correct.

WSHP-2-1, 2-2, 2-3, 2-4

Thermostat and controls by MSD controls team. Submittal is correct.

WSHP-2-5

Thermostat and controls by MSD controls team. Submittal is correct.

WSHP-X07

Thermostat and controls by MSD controls team. Submittal is correct.

04.1 Condensing Boilers

No exceptions.

05.1 Fluid Cooler

No exceptions.

DOAS/ERV not included.

(not included but DOAS EWT listed as 45F)

06.1 VFDs

HW Pump – 1,2

Please update to 3HP to match pump selection.

Thanks,

Patrick Fernbach WELL AP

Director of Mechanical Engineering

Kohrs Lonnemann Heil Engineers, Inc.



O : 859-547-0135

www.klhengrs.com

From: Reed Hanes <rhanes@msdinc.net>

Sent: Monday, November 21, 2022 8:26 AM

To: Patrick Fernbach <pfernbach@KLHENGRS.COM>

Cc: Jim Verlander <jverlander@msdinc.net>

Subject: Mercantile Library Submittals

Patrick,

Please see attached submittals for Mercantile Library.

Thanks,

Reed Hanes

Assistant Project Manager | MSD, Inc. |

C: 937-203-6953 E: rhanes@msdinc.net

HVAC Products Submittal Package

Proposal # 385911

Project Name: Mercantile
Cincinnati, Ohio

Manufacturer: WaterFurnace International, Inc.

9000 Conservation Way
Fort Wayne, IN 46809
PH:877-677-4420

www.waterfurnace.com
www.wedogeo.com

Representative: Mike Sanker

Stoermer-Anderson
3818 Red Bank Rd

Cincinnati, Ohio 45227-3413

Tel: 513-527-2300
Fax:

Engineer: , Ohio
Contact:

Contractor: , Ohio
Contact:

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

								Schedule	
Line / Tag	Description	Family	Voltage	AF Type	Flow Rate	ESP	Air Flow		
1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	4.50 GPM	0.50 InWC	755.00 CFM		
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	4.50 GPM	0.50 InWC	855.00 CFM		
5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	3.00 GPM	0.50 InWC	635.00 CFM		
7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	6.00 GPM	0.50 InWC	1,020.00 CFM		
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	4.00 GPM	0.50 InWC	750.00 CFM		
11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	8.00 GPM	0.50 InWC	1,460.00 CFM		
13 / WSHP-2-1, 2-2, 2-3, 2-4	Versatec 300 Compact Horizontal (UB) 048	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/3	Water	9.00 GPM	0.50 InWC	1,635.00 CFM		
15 / WSHP-2-5	Versatec 300 Compact Horizontal (UB) 015	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	3.00 GPM	0.20 InWC	740.00 CFM		
17 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	4.50 GPM	0.50 InWC	755.00 CFM		
19 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	3.00 GPM	0.50 InWC	635.00 CFM		
21 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	6.00 GPM	0.50 InWC	1,020.00 CFM		
23 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	6.00 GPM	0.50 InWC	1,020.00 CFM		

Schedule														
Line / Tag	Description	PD	PD	EAT DB	EAT WB	EWT	Total Capacity	Sensible Capacity	S/T Ratio	Power	Heat Rejection	LAT	LWT	EER
1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	4.60 PSI	10.60 FT/HD	76.00 °F	65.00 °F	85.00 °F	22.12 MBTUH	15.42 MBTUH	0.70	1.72 kW	28.00 MBTUH	57.10 °F	97.44 °F	12.90
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	4.60 PSI	10.60 FT/HD	76.00 °F	65.00 °F	85.00 °F	22.46 MBTUH	16.55 MBTUH	0.74	1.79 kW	28.60 MBTUH	58.10 °F	97.71 °F	12.50
5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	2.70 PSI	6.20 FT/HD	76.00 °F	65.00 °F	85.00 °F	13.31 MBTUH	10.62 MBTUH	0.80	1.17 kW	17.30 MBTUH	60.50 °F	96.53 °F	11.40

7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	4.55 PSI	10.50 FT/HD	76.00 °F	65.00 °F	85.00 °F	28.06 MBTUH	19.97 MBTUH	0.71	1.94 kW	34.70 MBTUH	57.90 °F	96.57 °F	14.50
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	3.65 PSI	8.40 FT/HD	76.00 °F	65.00 °F	85.00 °F	17.64 MBTUH	13.10 MBTUH	0.74	1.55 kW	22.90 MBTUH	59.80 °F	96.45 °F	11.40
11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	4.45 PSI	10.30 FT/HD	76.00 °F	65.00 °F	85.00 °F	39.12 MBTUH	29.25 MBTUH	0.75	2.81 kW	48.70 MBTUH	57.50 °F	97.18 °F	13.90
13 / WSHP-2-1, 2-2, 2-3, 2-4	Versatec 300 Compact Horizontal (UB) 048	5.25 PSI	12.10 FT/HD	76.00 °F	65.00 °F	85.00 °F	46.92 MBTUH	33.46 MBTUH	0.71	3.62 kW	59.30 MBTUH	57.10 °F	98.18 °F	13.00
15 / WSHP-2-5	Versatec 300 Compact Horizontal (UB) 015	2.69 PSI	6.20 FT/HD	80.00 °F	67.00 °F	86.00 °F	14.20 MBTUH	12.23 MBTUH	0.86	1.27 kW	18.50 MBTUH	64.70 °F	98.33 °F	11.20
17 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	4.60 PSI	10.60 FT/HD	76.00 °F	65.00 °F	85.00 °F	22.12 MBTUH	15.42 MBTUH	0.70	1.72 kW	28.00 MBTUH	57.10 °F	97.44 °F	12.90
19 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	2.70 PSI	6.20 FT/HD	76.00 °F	65.00 °F	85.00 °F	13.31 MBTUH	10.62 MBTUH	0.80	1.17 kW	17.30 MBTUH	60.50 °F	96.53 °F	11.40
21 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	4.55 PSI	10.50 FT/HD	76.00 °F	65.00 °F	85.00 °F	28.06 MBTUH	19.97 MBTUH	0.71	1.94 kW	34.70 MBTUH	57.90 °F	96.57 °F	14.50
23 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	4.55 PSI	10.50 FT/HD	76.00 °F	65.00 °F	85.00 °F	28.06 MBTUH	19.97 MBTUH	0.71	1.94 kW	34.70 MBTUH	57.90 °F	96.57 °F	14.50

Schedule

Line / Tag	Description	PD	PD	EAT DB	EWT	Total Capacity	Power	Heat Extraction	LAT	COP
1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	5.04 PSI	11.60 FT/HD	68.00 °F	68.00 °F	25.48 MBTUH	1.60 kW	20.00 MBTUH	99.30 °F	4.70
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	5.04 PSI	11.60 FT/HD	68.00 °F	68.00 °F	25.77 MBTUH	1.56 kW	20.40 MBTUH	95.90 °F	4.80
5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	2.94 PSI	6.80 FT/HD	68.00 °F	68.00 °F	15.61 MBTUH	1.01 kW	12.20 MBTUH	90.80 °F	4.50
7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	4.70 PSI	10.90 FT/HD	68.00 °F	68.00 °F	32.97 MBTUH	1.92 kW	26.40 MBTUH	97.90 °F	5.00
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	3.97 PSI	9.20 FT/HD	68.00 °F	68.00 °F	19.54 MBTUH	1.33 kW	15.00 MBTUH	92.10 °F	4.30
11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	4.54 PSI	10.50 FT/HD	68.00 °F	68.00 °F	47.86 MBTUH	2.70 kW	38.60 MBTUH	98.40 °F	5.20
13 / WSHP-2-1, 2-2, 2-3, 2-4	Versatec 300 Compact Horizontal (UB) 048	5.54 PSI	12.80 FT/HD	68.00 °F	68.00 °F	58.46 MBTUH	3.53 kW	46.40 MBTUH	101.10 °F	4.90
15 / WSHP-2-5	Versatec 300 Compact Horizontal (UB) 015	2.94 PSI	6.80 FT/HD	68.00 °F	68.00 °F	15.84 MBTUH	1.06 kW	12.20 MBTUH	87.80 °F	4.40
17 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	5.04 PSI	11.60 FT/HD	68.00 °F	68.00 °F	25.48 MBTUH	1.60 kW	20.00 MBTUH	99.30 °F	4.70
19 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	2.94 PSI	6.80 FT/HD	68.00 °F	68.00 °F	15.61 MBTUH	1.01 kW	12.20 MBTUH	90.80 °F	4.50

21 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	4.70 PSI	10.90 FT/HD	68.00 °F	68.00 °F	32.97 MBTUH	1.92 kW	26.40 MBTUH	97.90 °F	5.00
23 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	4.70 PSI	10.90 FT/HD	68.00 °F	68.00 °F	32.97 MBTUH	1.92 kW	26.40 MBTUH	97.90 °F	5.00

Schedule

Line / Tag	Description	Voltage	Voltage Min/Max	Motor HP	Fan Motor FLA	Total Unit FLA	Comp MMC	Comp RLA	Comp LRA	Min Circ Amp	Max Fuse / HACR
1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	208-230/60/1	187/253	0.50 HP	4.10	17.60	21.00	13.50	58.30	21.00	30.00
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	208-230/60/1	187/253	0.50 HP	4.10	17.60	21.00	13.50	58.30	21.00	30.00
5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	208-230/60/1	187/253	0.50 HP	4.10	10.00	9.20	5.90	29.00	11.50	15.00
7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	208-230/60/1	187/253	0.50 HP	4.10	18.20	22.00	14.10	73.00	21.70	35.00
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	208-230/60/1	187/253	0.50 HP	4.10	10.80	10.40	6.70	33.50	12.50	15.00
11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	208-230/60/1	187/253	1.00 HP	7.60	25.50	28.00	17.90	112.00	30.00	45.00
13 / WSHP-2-1, 2-2, 2-3, 2-4	Versatec 300 Compact Horizontal (UB) 048	208-230/60/3	187/253	1.00 HP	7.60	21.30	21.40	13.70	83.10	24.70	35.00
15 / WSHP-2-5	Versatec 300 Compact Horizontal (UB) 015	208-230/60/1	187/253	0.50 HP	4.10	10.00	9.20	5.90	29.00	11.50	15.00
17 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	208-230/60/1	187/253	0.50 HP	4.10	17.60	21.00	13.50	58.30	21.00	30.00
19 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	208-230/60/1	187/253	0.50 HP	4.10	10.00	9.20	5.90	29.00	11.50	15.00
21 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	208-230/60/1	187/253	0.50 HP	4.10	18.20	22.00	14.10	73.00	21.70	35.00
23 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	208-230/60/1	187/253	0.50 HP	4.10	18.20	22.00	14.10	73.00	21.70	35.00

Schedule

Line / Tag	Description	Water Conn Size	HWG Conn Size	Condensate Conn Size	Filter Size	Refrigerant Charge per Circuit	Operating Weight	Packaged Weight
1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb






5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	0.75 in	NA in	0.75 in	16 x 20 in	30.0 oz	168.0 lb	176.0 lb
7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	0.75 in	NA in	0.75 in	16 x 20 in	34.0 oz	168.0 lb	176.0 lb
11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	0.75 in	NA in	0.75 in	1 - 18 x 14, 1 - 18 x 18 in	66.0 oz	296.0 lb	310.0 lb
13 / WSHP-2-1, 2-2, 2-3, 2-4	Versatec 300 Compact Horizontal (UB) 048	0.75 in	NA in	0.75 in	1 - 18 x 14, 1 - 18 x 18 in	60.0 oz	296.0 lb	310.0 lb
15 / WSHP-2-5	Versatec 300 Compact Horizontal (UB) 015	0.75 in	NA in	0.75 in	16 x 20 in	30.0 oz	168.0 lb	176.0 lb
17 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb
19 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	0.75 in	NA in	0.75 in	16 x 20 in	30.0 oz	168.0 lb	176.0 lb
21 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb
23 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb

Schedule

Line / Tag	Description	Warranty	Sample Certificate
1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	Standard Warranty	Click Here
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	Standard Warranty	Click Here
5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	Standard Warranty	Click Here
7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	Standard Warranty	Click Here
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	Standard Warranty	Click Here
11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	Standard Warranty	Click Here
13 / WSHP-2-1, 2-2, 2-3, 2-4	Versatec 300 Compact Horizontal (UB) 048	Standard Warranty	Click Here
15 / WSHP-2-5	Versatec 300 Compact Horizontal (UB) 015	Standard Warranty	Click Here
17 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	Standard Warranty	Click Here
19 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	Standard Warranty	Click Here

21 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	Standard Warranty	Click Here
23 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	Standard Warranty	Click Here

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 1, WSHP-X01	Versatec 300 Compact Horizontal (UB) 024 2206353-1
Performance Calculations are at an altitude of 0.00 Feet.	Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

General Data			
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Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium High	External Static: 0.50 InWC	Notes:	
Airflow at 755.00CFM with a Flow Rate of 4.50 GPM @ Full Load.			






Pressure Drop: 4.60 PSI (10.60 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	57.10 °F
LWT	97.44 °F
Power	1.72 kW
EER	12.90
Heat Rejection	28.00 MBTUH
S/T Ratio	0.70
Sensible Cooling Capacity	15.42 MBTUH
Total Cooling Capacity	22.12 MBTUH

Pressure Drop: 5.04 PSI (11.60 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	99.30 °F
LWT	59.11 °F
Power	1.60 kW
COP	4.70
Heat Extraction	20.00 MBTUH
Total Heating Capacity	25.48 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 1, WSHP-X01		Versatec 300 Compact Horizontal (UB) 024 Model Nomenclature: UBH024ER004CBRAD0B30SSK	2206353-1
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	59	63	59	55	54	52	47	43	67	67	59	60	57	56	53	46
Cooling: High Speed	63	65	60	56	54	52	49	44	69	69	61	61	59	56	52	45
Heating: High Speed	63	65	60	56	55	53	48	44	70	69	62	61	60	57	55	48






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 1, WSHP-X01	Versatec 300 Compact Horizontal (UB) 024 2206353-1 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Right
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 1, WSHP-X01	Versatec 300 Compact Horizontal (UB) 024 2206353-1 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	17.60
Compressor MCC	21.00
Compressor RLA	13.50
Compressor LRA	58.30
Water Pump FLA	0.00
Min Circ Amp	21.00
Max Fuse / HACR	30.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 1, WSHP-X01		Versatec 300 Compact Horizontal (UB) 024 Model Nomenclature: UBH024ER004CBRAD0B30SSK	2206353-1
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2 - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

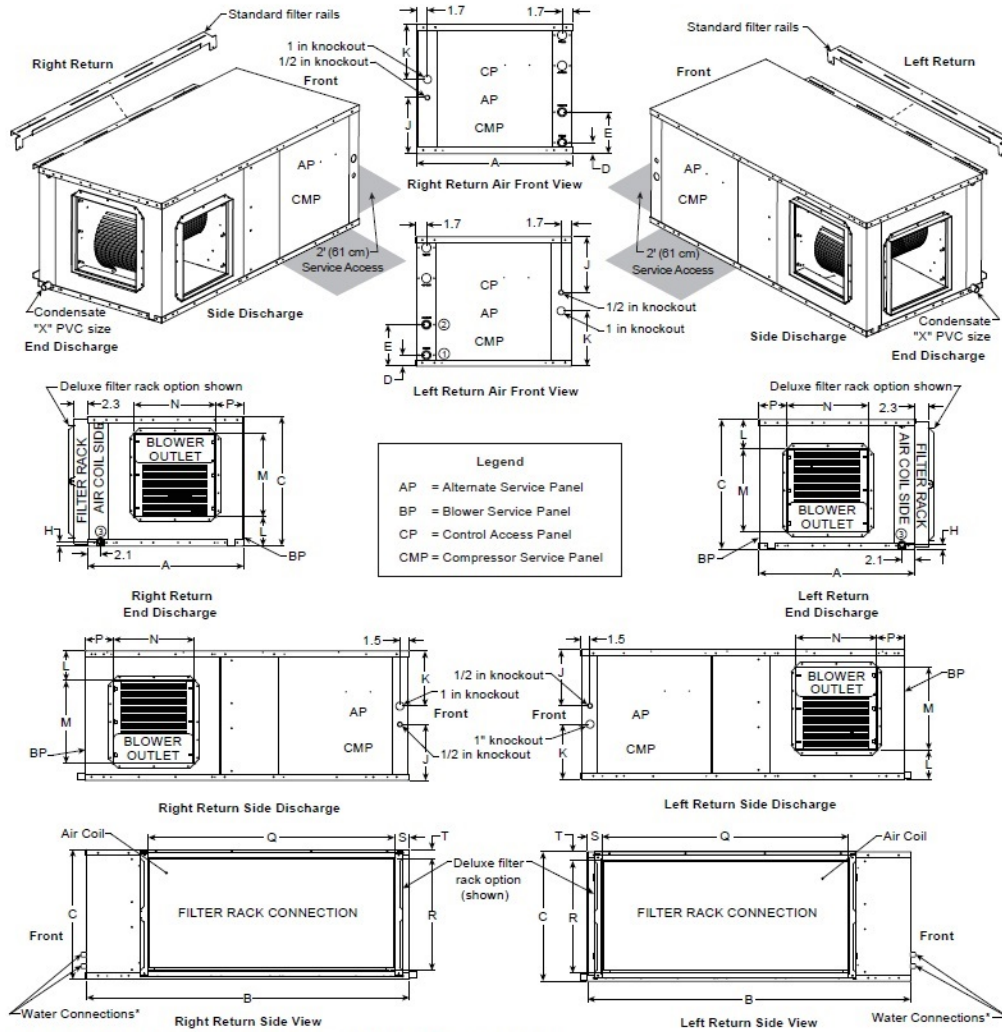
Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 1, WSHP-X01

Versatec 300 Compact Horizontal (UB) 024

2206353-1

Model Nomenclature: UBH024ER004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate		Water FPT	1/2 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections.

09/26/12

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 3, WSHP-C Versatec 300 Compact Horizontal (UB) 024 2206353-2
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH024ER004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: High	External Static: 0.50 InWC	Notes:	
Airflow at 855.00CFM with a Flow Rate of 4.50 GPM @ Full Load.			






Pressure Drop: 4.60 PSI (10.60 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
--	---------------	---------------	---------------

Cooling Data	Full Load
LAT	58.10 °F
LWT	97.71 °F
Power	1.79 kW
EER	12.50
Heat Rejection	28.60 MBTUH
S/T Ratio	0.74
Sensible Cooling Capacity	16.55 MBTUH
Total Cooling Capacity	22.46 MBTUH

Pressure Drop: 5.04 PSI (11.60 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	95.90 °F
LWT	58.93 °F
Power	1.56 kW
COP	4.80
Heat Extraction	20.40 MBTUH
Total Heating Capacity	25.77 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 3, WSHP-C		Versatec 300 Compact Horizontal (UB) 024 2206353-2
		Model Nomenclature: UBH024ER004CBRAD0B30SSK
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	59	63	59	55	54	52	47	43	67	67	59	60	57	56	53	46
Cooling: High Speed	63	65	60	56	54	52	49	44	69	69	61	61	59	56	52	45
Heating: High Speed	63	65	60	56	55	53	48	44	70	69	62	61	60	57	55	48






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 3, WSHP-C	Versatec 300 Compact Horizontal (UB) 024 2206353-2 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Right
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 3, WSHP-C	Versatec 300 Compact Horizontal (UB) 024 2206353-2 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	17.60
Compressor MCC	21.00
Compressor RLA	13.50
Compressor LRA	58.30
Water Pump FLA	0.00
Min Circ Amp	21.00
Max Fuse / HACR	30.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 3, WSHP-C	Versatec 300 Compact Horizontal (UB) 024 2206353-2 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

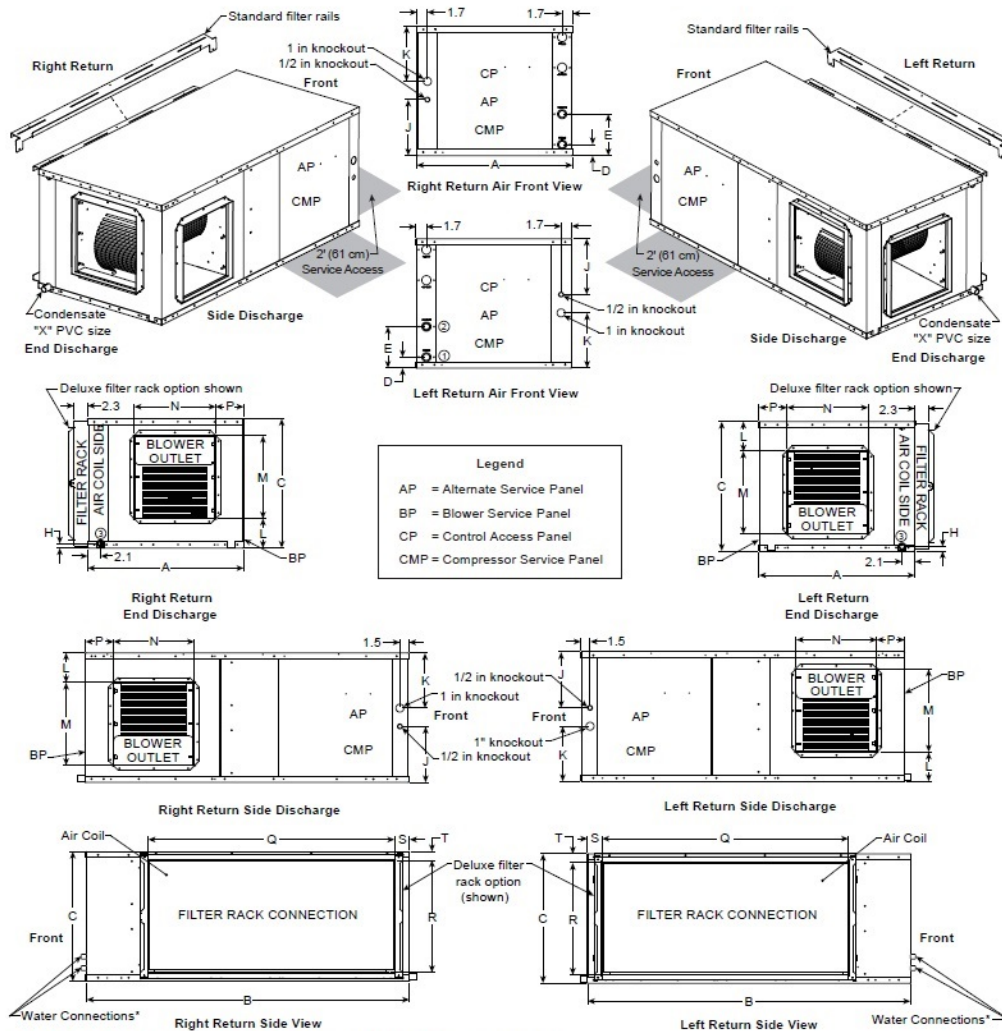
Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 3, WSH-P-C

Versatec 300 Compact Horizontal (UB) 024

2206353-2

Model Nomenclature: UBH024ER004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate		Water FPT	1/2 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 5, WSHP-X03 Versatec 300 Compact Horizontal (UB) 015 2206353-3
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH015EL004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium High	External Static: 0.50 InWC	Notes:	
Airflow at 635.00CFM with a Flow Rate of 3.00 GPM @ Full Load.			



Pressure Drop: 2.70 PSI (6.20 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	60.50 °F
LWT	96.53 °F
Power	1.17 kW
EER	11.40
Heat Rejection	17.30 MBTUH
S/T Ratio	0.80
Sensible Cooling Capacity	10.62 MBTUH
Total Cooling Capacity	13.31 MBTUH

Pressure Drop: 2.94 PSI (6.80 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	90.80 °F
LWT	59.87 °F
Power	1.01 kW
COP	4.50
Heat Extraction	12.20 MBTUH
Total Heating Capacity	15.61 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 5, WSHP-X03		Versatec 300 Compact Horizontal (UB) 015	2206353-3
		Model Nomenclature: UBH015EL004CBRAD0B30SSK	
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>	
			
			

Octave Band Sound Power Level, dB, re 1 pico Watt

Coming Soon !






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 5, WSHP-X03	Versatec 300 Compact Horizontal (UB) 015 2206353-3 Model Nomenclature: UBH015EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 5, WSHP-X03	Versatec 300 Compact Horizontal (UB) 015 2206353-3 Model Nomenclature: UBH015EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	10.00
Compressor MCC	9.20
Compressor RLA	5.90
Compressor LRA	29.00
Water Pump FLA	0.00
Min Circ Amp	11.50
Max Fuse / HACR	15.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 20 in
Refrigerant Charge per Circuit	30.0 oz
Operating Weight	168.0 lb
Packaged Weight	176.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 5, WSHP-X03		Versatec 300 Compact Horizontal (UB) 015 Model Nomenclature: UBH015EL004CBRAD0B30SSK	2206353-3
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>    	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

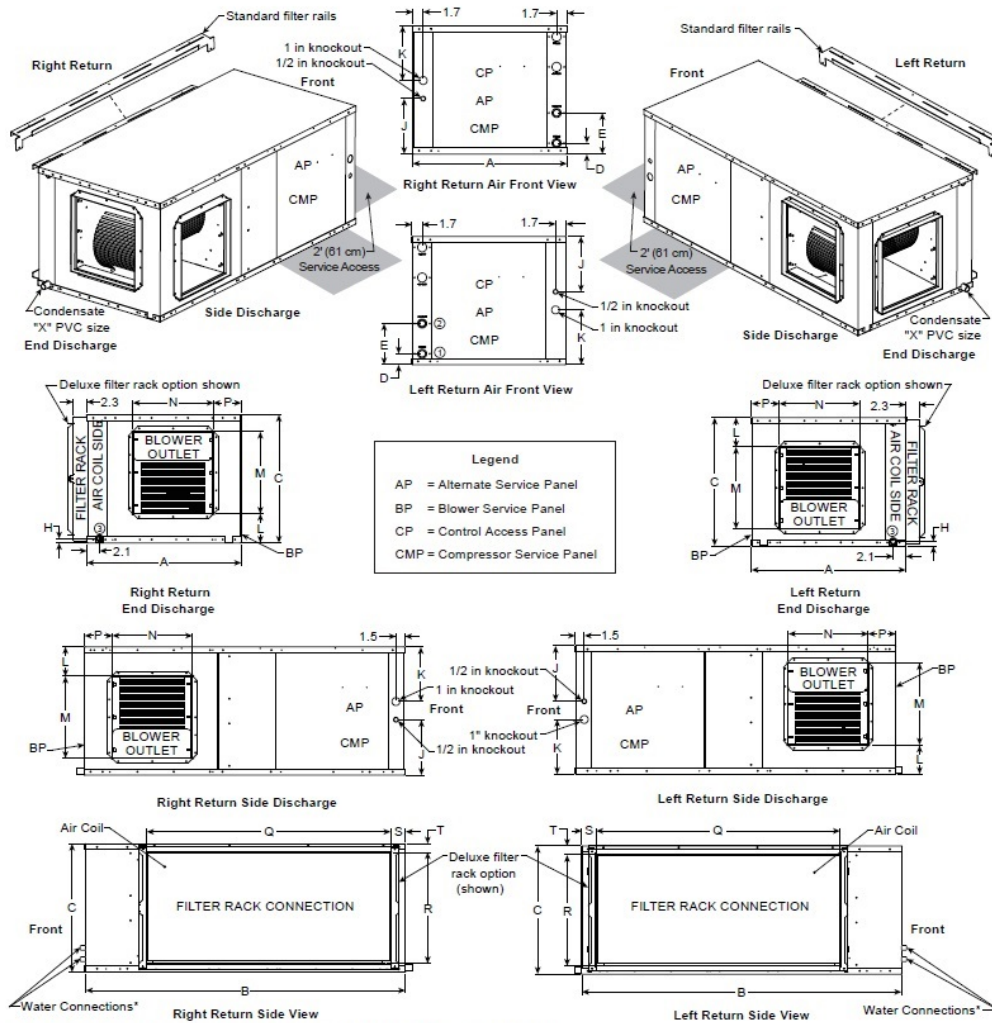
Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 5, WSHP-X03

Versatec 300 Compact Horizontal (UB) 015

2206353-3

Model Nomenclature: UBH015EL004CBRAD0B30SSK



Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	D	E	H		1/2 in. cond	1 in. cond
015-018	in. 22.5	in. 35.0	in. 17.2	in. 1.8	in. 6.8	in. 0.8	in. 3/4	in. 7.1	in. 7.1
	cm. 57.2	cm. 88.9	cm. 43.7	cm. 4.6	cm. 17.3	cm. 2.0	mm. 19.05	mm. 18.0	mm. 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Return Depth	Return Height					
015-018	in. 5.7	in. 10.5	in. 9.4	in. 4.9	in. 16.4	in. 14.5	in. 2.0	in. 1.4	in. 3/4
	cm. 14.5	cm. 26.7	cm. 23.9	cm. 12.4	cm. 41.7	cm. 36.8	cm. 5.1	cm. 3.6	cm. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 7, WSHP-X02 Versatec 300 Compact Horizontal (UB) 030 2206353-4
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH030EL004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: High	External Static: 0.50 InWC	Notes:	
Airflow at 1,020.00CFM with a Flow Rate of 6.00 GPM @ Full Load.			






Pressure Drop: 4.55 PSI (10.50 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	57.90 °F
LWT	96.57 °F
Power	1.94 kW
EER	14.50
Heat Rejection	34.70 MBTUH
S/T Ratio	0.71
Sensible Cooling Capacity	19.97 MBTUH
Total Cooling Capacity	28.06 MBTUH

Pressure Drop: 4.70 PSI (10.90 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	97.90 °F
LWT	59.20 °F
Power	1.92 kW
COP	5.00
Heat Extraction	26.40 MBTUH
Total Heating Capacity	32.97 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 7, WSHP-X02		Versatec 300 Compact Horizontal (UB) 030 Model Nomenclature: UBH030EL004CBRAD0B30SSK	2206353-4
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	60	64	60	57	56	54	50	46	68	68	60	62	59	58	56	49
Cooling: High Speed	64	67	61	58	56	54	51	47	70	70	62	63	61	59	55	48
Heating: High Speed	63	67	62	58	57	55	52	47	70	71	63	63	62	59	58	51






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 7, WSHP-X02	Versatec 300 Compact Horizontal (UB) 030 2206353-4 Model Nomenclature: UBH030EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 7, WSHP-X02	Versatec 300 Compact Horizontal (UB) 030 2206353-4 Model Nomenclature: UBH030EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	18.20
Compressor MCC	22.00
Compressor RLA	14.10
Compressor LRA	73.00
Water Pump FLA	0.00
Min Circ Amp	21.70
Max Fuse / HACR	35.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 7, WSHP-X02		Versatec 300 Compact Horizontal (UB) 030 Model Nomenclature: UBH030EL004CBRAD0B30SSK	2206353-4
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>    	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

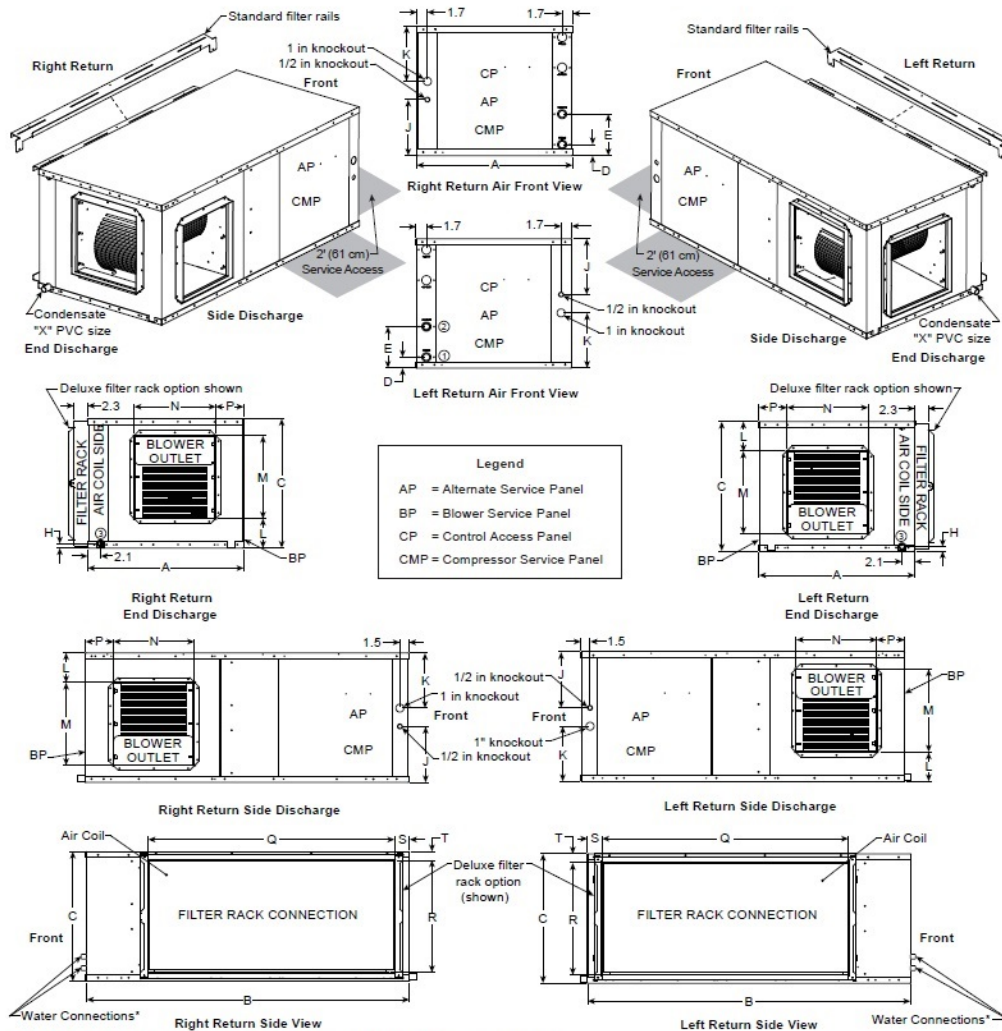
Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 7, WSHP-X02

Versatec 300 Compact Horizontal (UB) 030

2206353-4

Model Nomenclature: UBH030EL004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate		Water FPT	1/2 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 9, WSHP-X08 Versatec 300 Compact Horizontal (UB) 018 2206353-5
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH018ER004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: High	External Static: 0.50 InWC	Notes:	
Airflow at 750.00CFM with a Flow Rate of 4.00 GPM @ Full Load.			






Pressure Drop: 3.65 PSI (8.40 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	59.80 °F
LWT	96.45 °F
Power	1.55 kW
EER	11.40
Heat Rejection	22.90 MBTUH
S/T Ratio	0.74
Sensible Cooling Capacity	13.10 MBTUH
Total Cooling Capacity	17.64 MBTUH

Pressure Drop: 3.97 PSI (9.20 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	92.10 °F
LWT	60.50 °F
Power	1.33 kW
COP	4.30
Heat Extraction	15.00 MBTUH
Total Heating Capacity	19.54 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 9, WSHP-X08		Versatec 300 Compact Horizontal (UB) 018 Model Nomenclature: UBH018ER004CBRAD0B30SSK	2206353-5
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	57	61	55	52	50	47	43	36	65	65	55	57	53	51	47	39
Cooling: High Speed	64	64	57	53	51	47	43	37	71	68	58	58	55	51	46	39
Heating: High Speed	63	64	57	54	51	48	44	39	70	68	59	59	56	52	49	42






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 9, WSHP-X08	Versatec 300 Compact Horizontal (UB) 018 2206353-5 Model Nomenclature: UBH018ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Right
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 9, WSHP-X08	Versatec 300 Compact Horizontal (UB) 018 2206353-5 Model Nomenclature: UBH018ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	10.80
Compressor MCC	10.40
Compressor RLA	6.70
Compressor LRA	33.50
Water Pump FLA	0.00
Min Circ Amp	12.50
Max Fuse / HACR	15.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 20 in
Refrigerant Charge per Circuit	34.0 oz
Operating Weight	168.0 lb
Packaged Weight	176.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 9, WSHP-X08	Versatec 300 Compact Horizontal (UB) 018 Model Nomenclature: UBH018ER004CBRAD0B30SSK	2206353-5
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

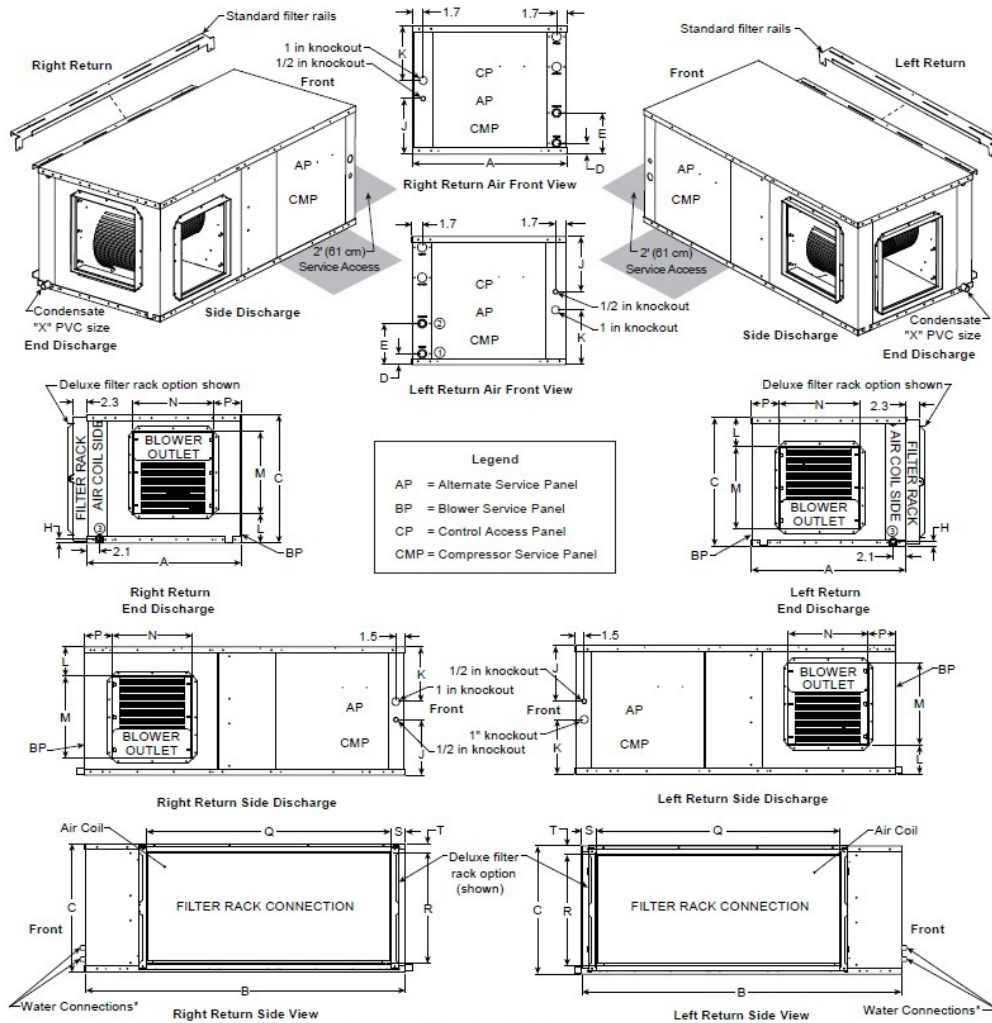
Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 9, WSHP-X08

Versatec 300 Compact Horizontal (UB) 018

2206353-5

Model Nomenclature: UBH018ER004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	D	E	H		1/2 in. cond	1 in. cond
015-018	in. 22.5	in. 35.0	in. 17.2	in. 1.8	in. 6.8	in. 0.8	in. 3/4	in. 7.1	in. 7.1
	cm. 57.2	cm. 88.9	cm. 43.7	cm. 4.6	cm. 17.3	cm. 2.0	mm. 19.05	mm. 18.0	mm. 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Return Depth	Return Height	Return Depth	Return Height	Return Depth	Return Height	
015-018	in. 5.7	in. 10.5	in. 9.4	in. 4.9	in. 16.4	in. 14.5	in. 2.0	in. 1.4	in. 3/4
	cm. 14.5	cm. 26.7	cm. 23.9	cm. 12.4	cm. 41.7	cm. 36.8	cm. 5.1	cm. 3.6	cm. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 11, WSHP-X09 Versatec 300 Compact Horizontal (UB) 042 2206353-6
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH042SL004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium	External Static: 0.50 InWC	Notes:	
Airflow at 1,460.00CFM with a Flow Rate of 8.00 GPM @ Full Load.			




Pressure Drop: 4.45 PSI (10.30 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	57.50 °F
LWT	97.18 °F
Power	2.81 kW
EER	13.90
Heat Rejection	48.70 MBTUH
S/T Ratio	0.75
Sensible Cooling Capacity	29.25 MBTUH
Total Cooling Capacity	39.12 MBTUH

Pressure Drop: 4.54 PSI (10.50 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	98.40 °F
LWT	58.35 °F
Power	2.70 kW
COP	5.20
Heat Extraction	38.60 MBTUH
Total Heating Capacity	47.86 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 11, WSHP-X09		Versatec 300 Compact Horizontal (UB) 042 2206353-6
		Model Nomenclature: UBH042SL004CBRAD0B30SSK
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	62	66	62	59	58	55	52	45	70	70	62	64	61	59	57	49
Cooling: High Speed	65	68	63	59	58	55	52	46	71	72	64	64	63	60	56	48
Heating: High Speed	64	68	64	60	59	56	53	48	71	72	65	65	64	60	60	52




Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 11, WSHP-X09	Versatec 300 Compact Horizontal (UB) 042 2206353-6 Model Nomenclature: UBH042SL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	Side
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 11, WSHP-X09		Versatec 300 Compact Horizontal (UB) 042 2206353-6
		Model Nomenclature: UBH042SL004CBRAD0B30SSK
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	1.00 HP
Fan Motor FLA	7.60
Total Unit FLA	25.50
Compressor MCC	28.00
Compressor RLA	17.90
Compressor LRA	112.00
Water Pump FLA	0.00
Min Circ Amp	30.00
Max Fuse / HACR	45.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	1 - 18 x 14, 1 - 18 x 18 in
Refrigerant Charge per Circuit	66.0 oz
Operating Weight	296.0 lb
Packaged Weight	310.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 11, WSHP-X09		Versatec 300 Compact Horizontal (UB) 042 Model Nomenclature: UBH042SL004CBRAD0B30SSK	2206353-6
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>    	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

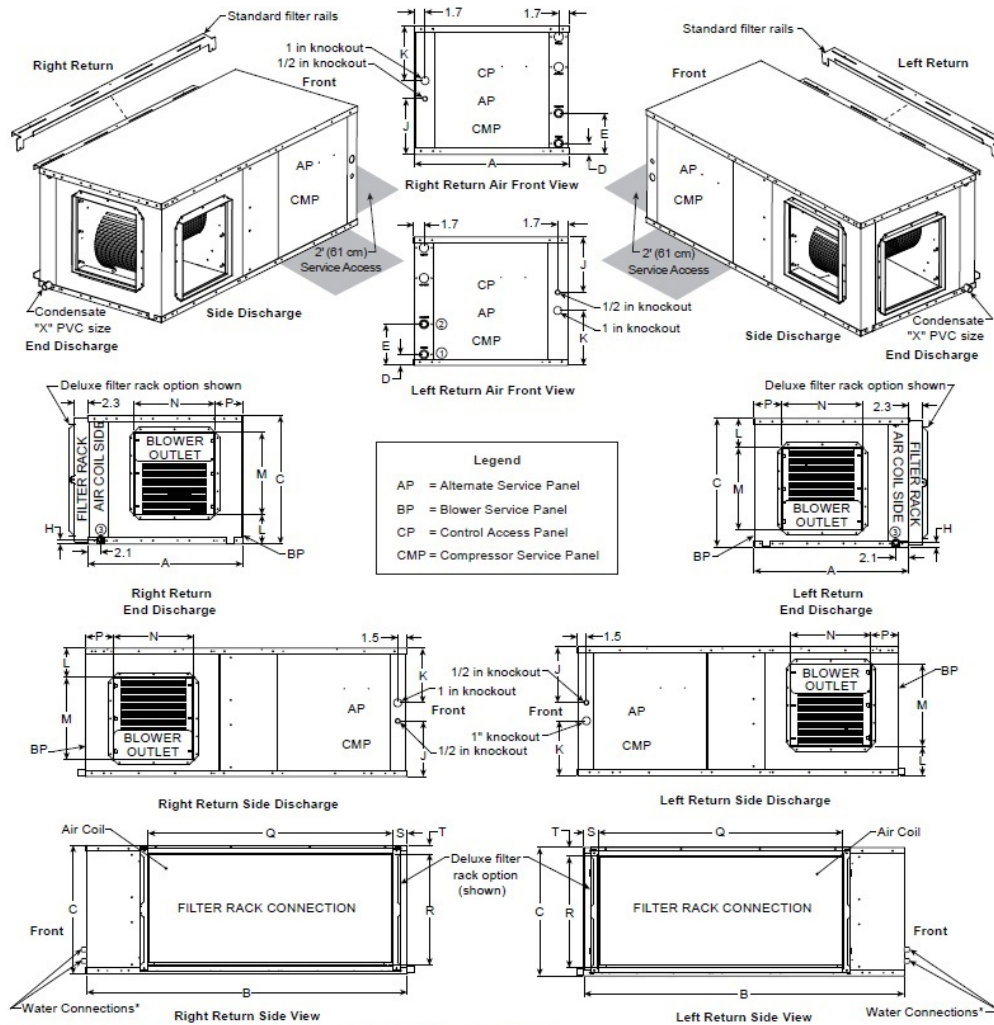
Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 11, WSHP-X09

Versatec 300 Compact Horizontal (UB) 042

2206353-6

Model Nomenclature: UBH042SL004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	D	E	H	Water FPT	1/2 in. cond	1 in. cond
042-048	in. 22.5	45.0	19.2	1.8	6.8	0.8	3/4 in.	9.2	7.1
	cm. 57.2	114.3	48.8	4.6	17.3	2.0	19.05 mm	23.4	18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width		Supply Depth		Return Depth	Return Height			
042-048	in. 4.2	13.6	13.2	2.4	30.4	16.5	2.0	1.5	3/4 in.
	cm. 10.7	34.5	33.5	6.1	77.2	41.9	5.1	3.8	1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections.

09/26/12

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 13, WSHP-2-1, 2-2, 2-3, 2-4 Versatec 300 Compact Horizontal (UB) 048 2206353-7
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH048ER304CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/3	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium	External Static: 0.50 InWC	Notes:	
Airflow at 1,635.00CFM with a Flow Rate of 9.00 GPM @ Full Load.			






Pressure Drop: 5.25 PSI (12.10 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	57.10 °F
LWT	98.18 °F
Power	3.62 kW
EER	13.00
Heat Rejection	59.30 MBTUH
S/T Ratio	0.71
Sensible Cooling Capacity	33.46 MBTUH
Total Cooling Capacity	46.92 MBTUH

Pressure Drop: 5.54 PSI (12.80 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	101.10 °F
LWT	57.69 °F
Power	3.53 kW
COP	4.90
Heat Extraction	46.40 MBTUH
Total Heating Capacity	58.46 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 13, WSHP-2-1, 2-2, 2-3, 2-4		Versatec 300 Compact Horizontal (UB) 048 Model Nomenclature: UBH048ER304CBRAD0B30SSK	2206353-7
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	62	66	62	59	58	54	50	42	70	71	62	64	61	58	56	46
Cooling: High Speed	65	68	63	59	58	54	50	42	71	72	64	64	63	58	54	44
Heating: High Speed	65	68	64	60	59	54	51	45	72	72	65	65	64	58	57	49






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 13, WSHP-2-1, 2-2, 2-3, 2-4	Versatec 300 Compact Horizontal (UB) 048 2206353-7 Model Nomenclature: UBH048ER304CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Right
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 13, WSHP-2-1, 2-2, 2-3, 2-4		Versatec 300 Compact Horizontal (UB) 048 Model Nomenclature: UBH048ER304CBRAD0B30SSK	2206353-7
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/3
Voltage Min/Max	187/253
Motor	1.00 HP
Fan Motor FLA	7.60
Total Unit FLA	21.30
Compressor MCC	21.40
Compressor RLA	13.70
Compressor LRA	83.10
Water Pump FLA	0.00
Min Circ Amp	24.70
Max Fuse / HACR	35.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	1 - 18 x 14, 1 - 18 x 18 in
Refrigerant Charge per Circuit	60.0 oz
Operating Weight	296.0 lb
Packaged Weight	310.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 13, WSHP-2-1, 2-2, 2-3, 2-4	Versatec 300 Compact Horizontal (UB) 048 Model Nomenclature: UBH048ER304CBRAD0B30SSK	2206353-7
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

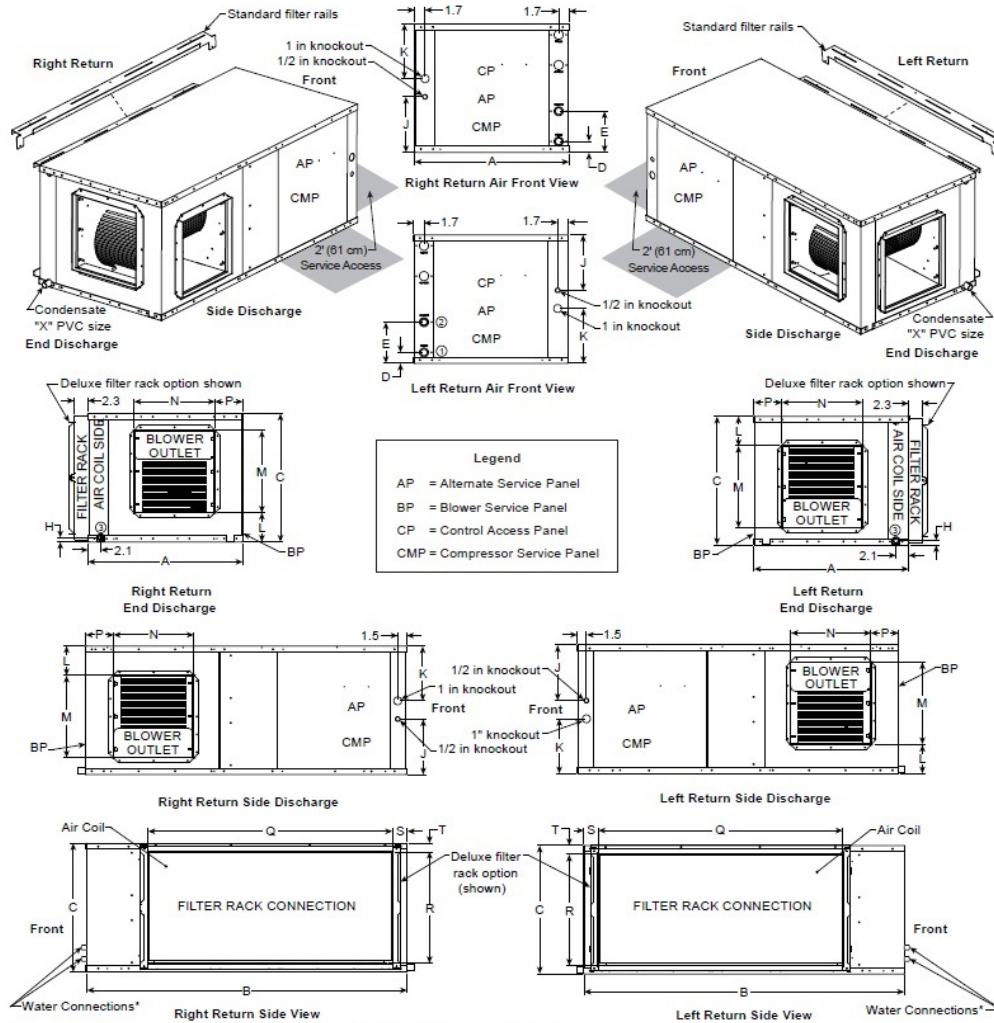
Project: Mercantile, Cincinnati, Ohio
 Contractor: , Ohio
 Engineer: , Ohio
 Representative: Stoermer-Anderson, Cincinnati, Ohio

Dimensional Data - Unit 13, WSHP-2-1, 2-2, 2-3, 2-4

Versatec 300 Compact Horizontal (UB) 048

2206353-7

Model Nomenclature: UBH048ER304CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.






Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	D	E	H	Water FPT	1/2 in. cond	1 in. cond
042-048	in. 22.5	45.0	19.2	1.8	6.8	0.8	3/4 in.	9.2	7.1
	cm. 57.2	114.3	48.8	4.6	17.3	2.0	19.05 mm	23.4	18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width		Supply Depth		Return Depth	Return Height			
042-048	in. 4.2	13.6	13.2	2.4	30.4	16.5	2.0	1.5	3/4 in.
	cm. 10.7	34.5	33.5	6.1	77.2	41.9	5.1	3.8	1.9

09/26/12

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections.

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 15, WSHP-2-5	Versatec 300 Compact Horizontal (UB) 015 2206353-15
Performance Calculations are at an altitude of 0.00 Feet.	Model Nomenclature: UBH015SR004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

General Data			
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Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium High	External Static: 0.20 InWC	Notes:	
Airflow at 740.00CFM with a Flow Rate of 3.00 GPM @ Full Load.			






Pressure Drop: 2.69 PSI (6.20 FT/HD)	EDB: 80.00 °F	EWB: 67.00 °F	EWT: 86.00 °F
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Cooling Data	Full Load
LAT	64.70 °F
LWT	98.33 °F
Power	1.27 kW
EER	11.20
Heat Rejection	18.50 MBTUH
S/T Ratio	0.86
Sensible Cooling Capacity	12.23 MBTUH
Total Cooling Capacity	14.20 MBTUH

Pressure Drop: 2.94 PSI (6.80 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	87.80 °F
LWT	59.87 °F
Power	1.06 kW
COP	4.40
Heat Extraction	12.20 MBTUH
Total Heating Capacity	15.84 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 15, WSHP-2-5		Versatec 300 Compact Horizontal (UB) 015	2206353-15
		Model Nomenclature: UBH015SR004CBRAD0B30SSK	
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>	
			
			

Octave Band Sound Power Level, dB, re 1 pico Watt

Coming Soon !






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 15, WSHP-2-5	Versatec 300 Compact Horizontal (UB) 015 2206353-15 Model Nomenclature: UBH015SR004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Right
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	Side
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 15, WSHP-2-5	Versatec 300 Compact Horizontal (UB) 015 2206353-15 Model Nomenclature: UBH015SR004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	10.00
Compressor MCC	9.20
Compressor RLA	5.90
Compressor LRA	29.00
Water Pump FLA	0.00
Min Circ Amp	11.50
Max Fuse / HACR	15.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 20 in
Refrigerant Charge per Circuit	30.0 oz
Operating Weight	168.0 lb
Packaged Weight	176.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 15, WSHP-2-5	Versatec 300 Compact Horizontal (UB) 015 2206353-15 Model Nomenclature: UBH015SR004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

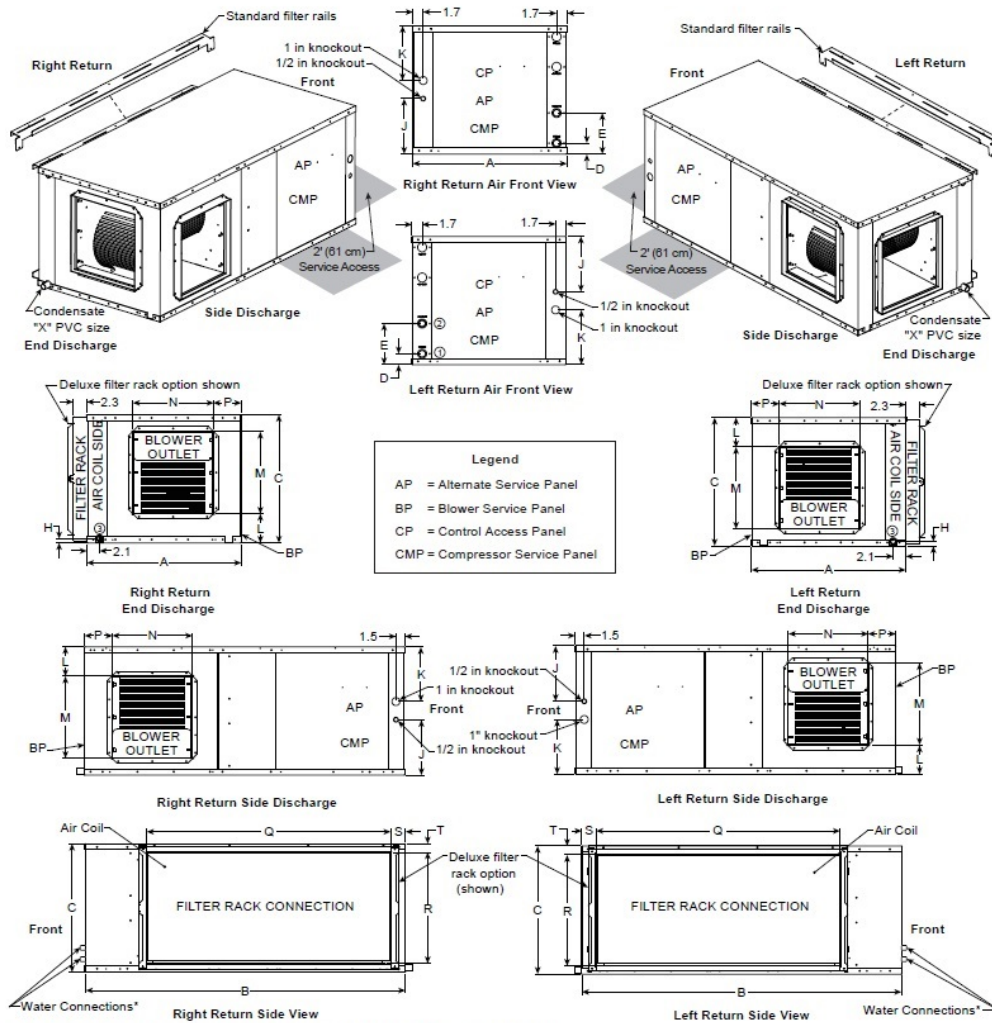
Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 15, WSHP-2-5

Versatec 300 Compact Horizontal (UB) 015

2206353-15

Model Nomenclature: UBH015SR004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	D	E	H		1/2 in. cond	1 in. cond
015-018	in. 22.5 cm. 57.2	35.0 88.9	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth			Return Depth	Return Height			
015-018	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	16.4 41.7	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 17, WSHP-X07 Versatec 300 Compact Horizontal (UB) 024 2206353-17
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH024ER004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium High	External Static: 0.50 InWC	Notes:	
Airflow at 755.00CFM with a Flow Rate of 4.50 GPM @ Full Load.			






Pressure Drop: 4.60 PSI (10.60 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	57.10 °F
LWT	97.44 °F
Power	1.72 kW
EER	12.90
Heat Rejection	28.00 MBTUH
S/T Ratio	0.70
Sensible Cooling Capacity	15.42 MBTUH
Total Cooling Capacity	22.12 MBTUH

Pressure Drop: 5.04 PSI (11.60 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	99.30 °F
LWT	59.11 °F
Power	1.60 kW
COP	4.70
Heat Extraction	20.00 MBTUH
Total Heating Capacity	25.48 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 17, WSHP-X07		Versatec 300 Compact Horizontal (UB) 024 2206353-17
		Model Nomenclature: UBH024ER004CBRAD0B30SSK
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	59	63	59	55	54	52	47	43	67	67	59	60	57	56	53	46
Cooling: High Speed	63	65	60	56	54	52	49	44	69	69	61	61	59	56	52	45
Heating: High Speed	63	65	60	56	55	53	48	44	70	69	62	61	60	57	55	48






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 17, WSHP-X07	Versatec 300 Compact Horizontal (UB) 024 2206353-17 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Right
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 17, WSHP-X07	Versatec 300 Compact Horizontal (UB) 024 2206353-17 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	17.60
Compressor MCC	21.00
Compressor RLA	13.50
Compressor LRA	58.30
Water Pump FLA	0.00
Min Circ Amp	21.00
Max Fuse / HACR	30.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 17, WSHP-X07		Versatec 300 Compact Horizontal (UB) 024 2206353-17
		Model Nomenclature: UBH024ER004CBRAD0B30SSK
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

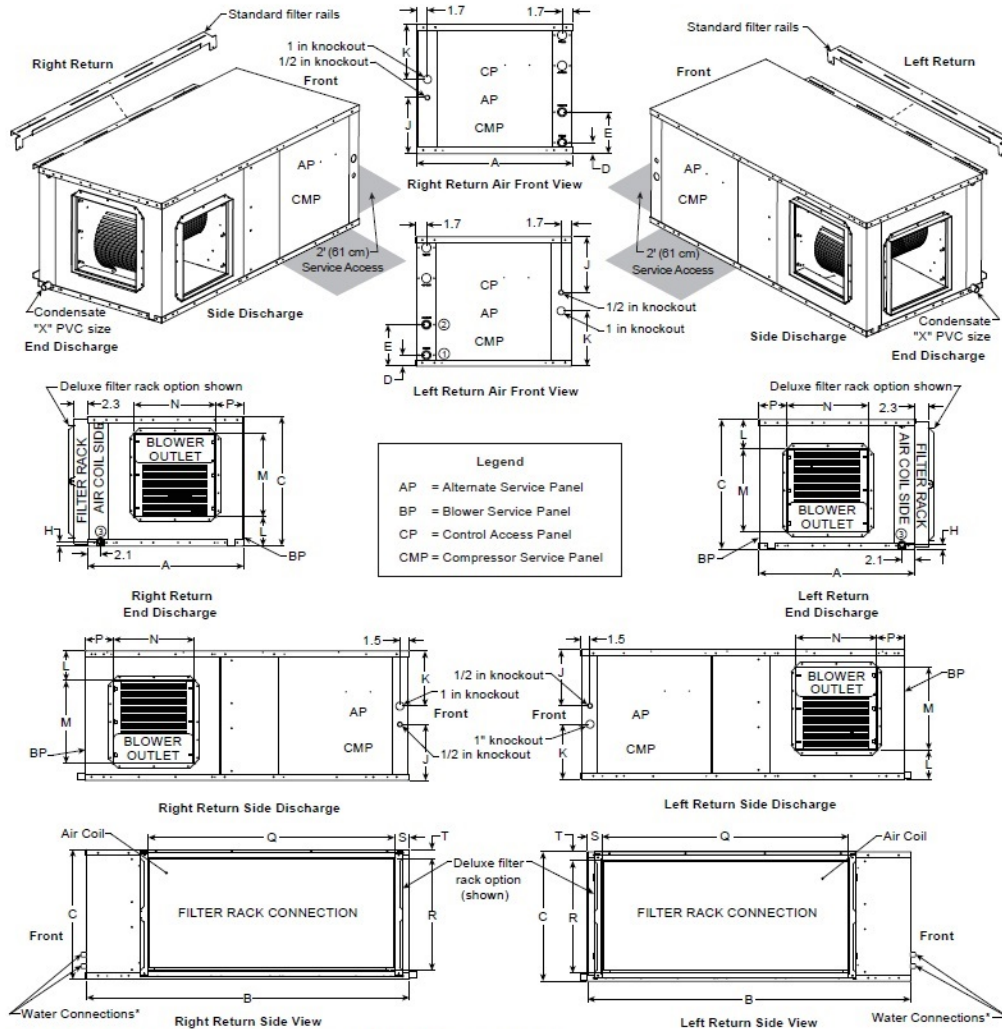
Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 17, WSHP-X07

Versatec 300 Compact Horizontal (UB) 024

2206353-17

Model Nomenclature: UBH024ER004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate		Water FPT	1/2 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections.

09/26/12

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 19, WSHP-X05 Versatec 300 Compact Horizontal (UB) 015 2206353-19
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH015EL004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium High	External Static: 0.50 InWC	Notes:	
Airflow at 635.00CFM with a Flow Rate of 3.00 GPM @ Full Load.			






Pressure Drop: 2.70 PSI (6.20 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	60.50 °F
LWT	96.53 °F
Power	1.17 kW
EER	11.40
Heat Rejection	17.30 MBTUH
S/T Ratio	0.80
Sensible Cooling Capacity	10.62 MBTUH
Total Cooling Capacity	13.31 MBTUH

Pressure Drop: 2.94 PSI (6.80 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	90.80 °F
LWT	59.87 °F
Power	1.01 kW
COP	4.50
Heat Extraction	12.20 MBTUH
Total Heating Capacity	15.61 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 19, WSHP-X05		Versatec 300 Compact Horizontal (UB) 015	2206353-19
		Model Nomenclature: UBH015EL004CBRAD0B30SSK	
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>	
			
			

Octave Band Sound Power Level, dB, re 1 pico Watt

Coming Soon !





Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 19, WSHP-X05	Versatec 300 Compact Horizontal (UB) 015 2206353-19 Model Nomenclature: UBH015EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 19, WSHP-X05	Versatec 300 Compact Horizontal (UB) 015 2206353-19 Model Nomenclature: UBH015EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	10.00
Compressor MCC	9.20
Compressor RLA	5.90
Compressor LRA	29.00
Water Pump FLA	0.00
Min Circ Amp	11.50
Max Fuse / HACR	15.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 20 in
Refrigerant Charge per Circuit	30.0 oz
Operating Weight	168.0 lb
Packaged Weight	176.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 19, WSHP-X05	Versatec 300 Compact Horizontal (UB) 015 Model Nomenclature: UBH015EL004CBRAD0B30SSK	2206353-19
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

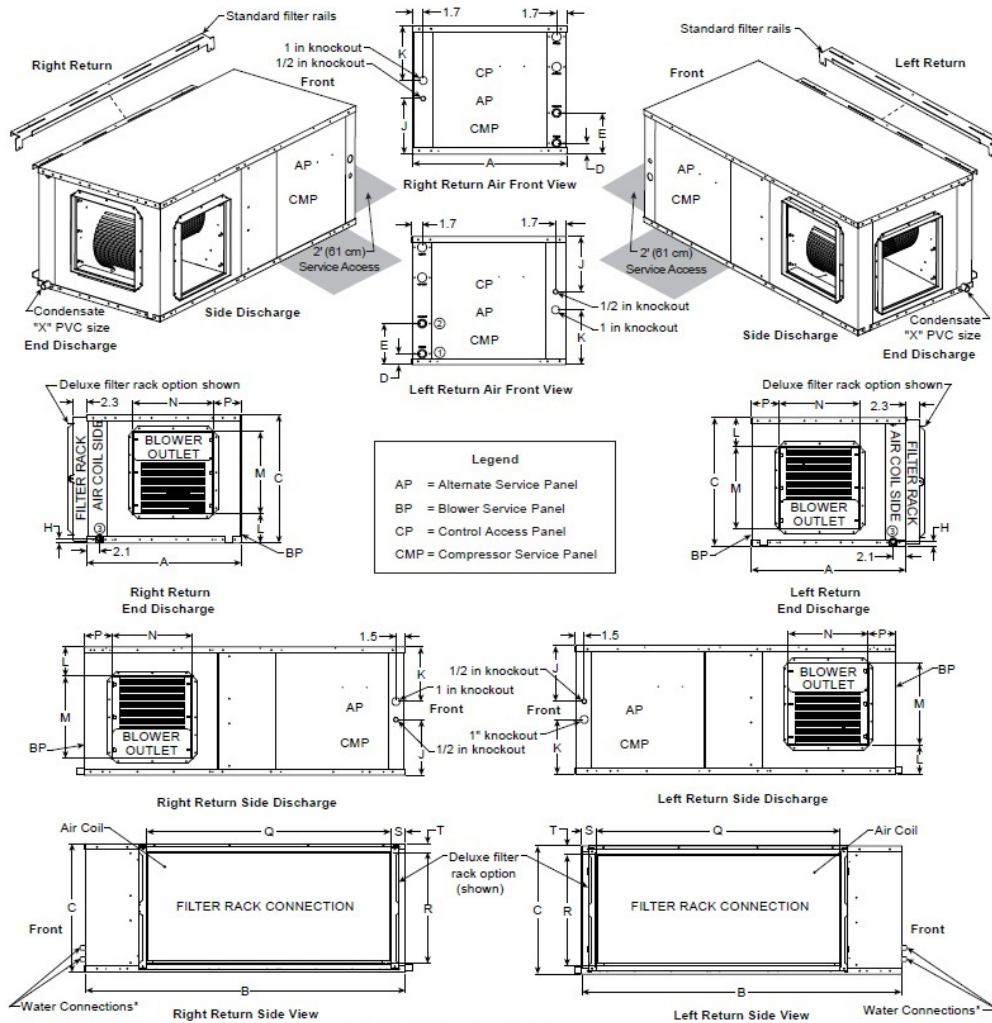
Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 19, WSHP-X05

Versatec 300 Compact Horizontal (UB) 015

2206353-19

Model Nomenclature: UBH015EL004CBRAD0B30SSK








NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	D	E	H		1/2 in. cond	1 in. cond
015-018	in. 22.5	in. 35.0	in. 17.2	in. 1.8	in. 6.8	in. 0.8	in. 3/4	in. 7.1	in. 7.1
	cm. 57.2	cm. 88.9	cm. 43.7	cm. 4.6	cm. 17.3	cm. 2.0	mm. 19.05	mm. 18.0	mm. 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth			Return Depth	Return Height			
015-018	in. 5.7	in. 10.5	in. 9.4	in. 4.9	in. 16.4	in. 14.5	in. 2.0	in. 1.4	in. 3/4
	cm. 14.5	cm. 26.7	cm. 23.9	cm. 12.4	cm. 41.7	cm. 36.8	cm. 5.1	cm. 3.6	cm. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 21, WSHP-X04	Versatec 300 Compact Horizontal (UB) 030 2206353-21
Performance Calculations are at an altitude of 0.00 Feet.	
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

General Data			
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Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: High	External Static: 0.50 InWC	Notes:	
Airflow at 1,020.00CFM with a Flow Rate of 6.00 GPM @ Full Load.			






Pressure Drop: 4.55 PSI (10.50 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	57.90 °F
LWT	96.57 °F
Power	1.94 kW
EER	14.50
Heat Rejection	34.70 MBTUH
S/T Ratio	0.71
Sensible Cooling Capacity	19.97 MBTUH
Total Cooling Capacity	28.06 MBTUH

Pressure Drop: 4.70 PSI (10.90 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	97.90 °F
LWT	59.20 °F
Power	1.92 kW
COP	5.00
Heat Extraction	26.40 MBTUH
Total Heating Capacity	32.97 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 21, WSHP-X04		Versatec 300 Compact Horizontal (UB) 030 Model Nomenclature: UBH030EL004CBRAD0B30SSK	2206353-21
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	60	64	60	57	56	54	50	46	68	68	60	62	59	58	56	49
Cooling: High Speed	64	67	61	58	56	54	51	47	70	70	62	63	61	59	55	48
Heating: High Speed	63	67	62	58	57	55	52	47	70	71	63	63	62	59	58	51






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 21, WSHP-X04	Versatec 300 Compact Horizontal (UB) 030 2206353-21 Model Nomenclature: UBH030EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 21, WSHP-X04	Versatec 300 Compact Horizontal (UB) 030 2206353-21 Model Nomenclature: UBH030EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	18.20
Compressor MCC	22.00
Compressor RLA	14.10
Compressor LRA	73.00
Water Pump FLA	0.00
Min Circ Amp	21.70
Max Fuse / HACR	35.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 21, WSHP-X04		Versatec 300 Compact Horizontal (UB) 030 Model Nomenclature: UBH030EL004CBRAD0B30SSK	2206353-21
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>    	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2 - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

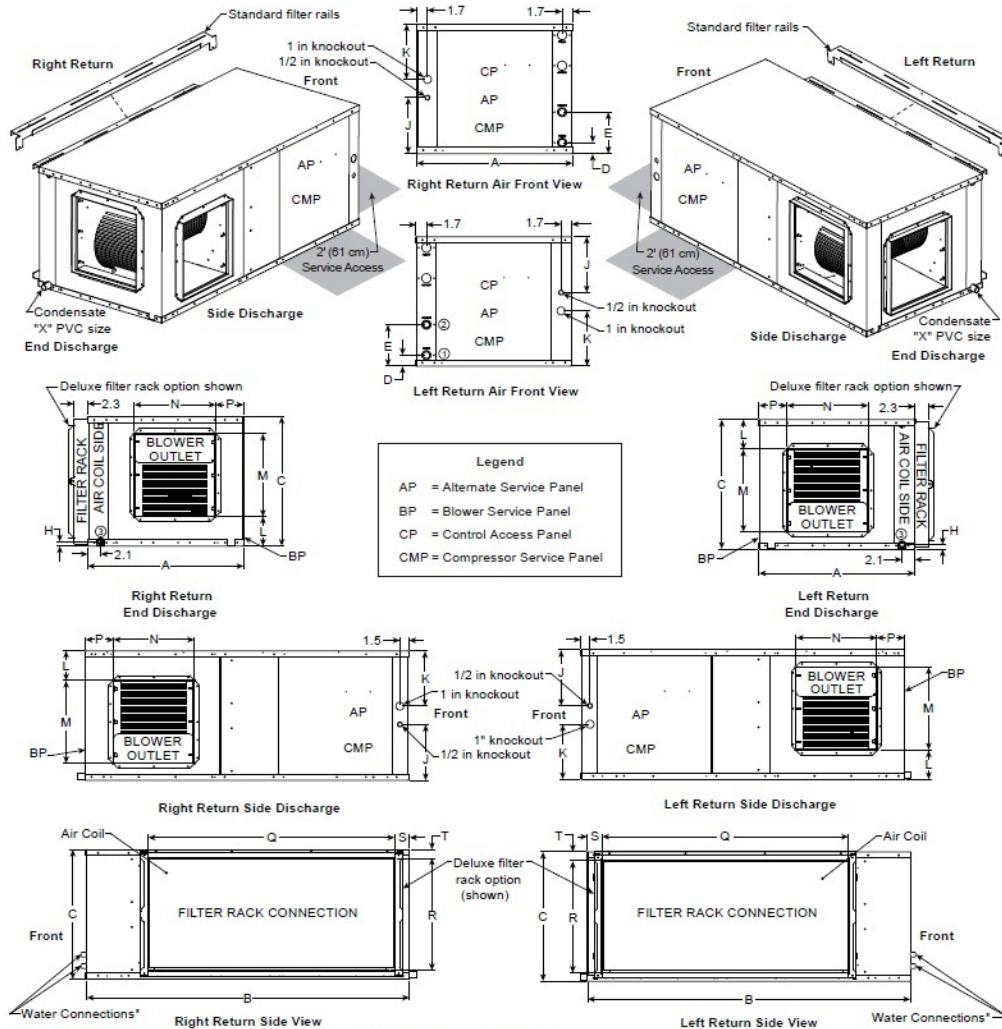
Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 21, WSHP-X04

Versatec 300 Compact Horizontal (UB) 030

2206353-21

Model Nomenclature: UBH030EL004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate	Water FPT	1/2 in. cond	1 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 23, WSHP-X06 Versatec 300 Compact Horizontal (UB) 030 2206353-23
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH030EL004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: High	External Static: 0.50 InWC	Notes:	
Airflow at 1,020.00CFM with a Flow Rate of 6.00 GPM @ Full Load.			





Pressure Drop: 4.55 PSI (10.50 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
--	---------------	---------------	---------------

Cooling Data	Full Load
LAT	57.90 °F
LWT	96.57 °F
Power	1.94 kW
EER	14.50
Heat Rejection	34.70 MBTUH
S/T Ratio	0.71
Sensible Cooling Capacity	19.97 MBTUH
Total Cooling Capacity	28.06 MBTUH

Pressure Drop: 4.70 PSI (10.90 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	97.90 °F
LWT	59.20 °F
Power	1.92 kW
COP	5.00
Heat Extraction	26.40 MBTUH
Total Heating Capacity	32.97 MBTUH

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 23, WSHP-X06		Versatec 300 Compact Horizontal (UB) 030 2206353-23
		Model Nomenclature: UBH030EL004CBRAD0B30SSK
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	60	64	60	57	56	54	50	46	68	68	60	62	59	58	56	49
Cooling: High Speed	64	67	61	58	56	54	51	47	70	70	62	63	61	59	55	48
Heating: High Speed	63	67	62	58	57	55	52	47	70	71	63	63	62	59	58	51






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 23, WSHP-X06	Versatec 300 Compact Horizontal (UB) 030 2206353-23 Model Nomenclature: UBH030EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 23, WSHP-X06	Versatec 300 Compact Horizontal (UB) 030 2206353-23 Model Nomenclature: UBH030EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	18.20
Compressor MCC	22.00
Compressor RLA	14.10
Compressor LRA	73.00
Water Pump FLA	0.00
Min Circ Amp	21.70
Max Fuse / HACR	35.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 23, WSHP-X06		Versatec 300 Compact Horizontal (UB) 030 Model Nomenclature: UBH030EL004CBRAD0B30SSK	2206353-23
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

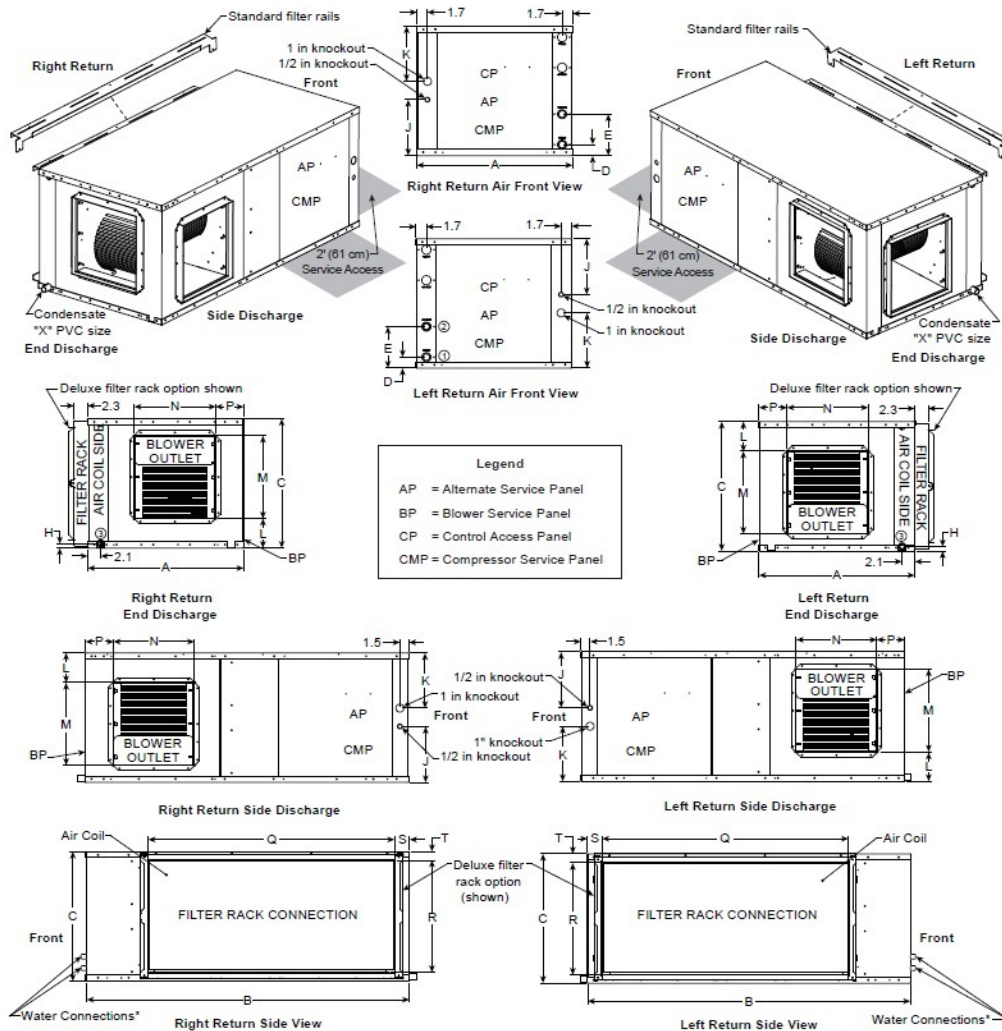
Project: Mercantile, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 23, WSHP-X06

Versatec 300 Compact Horizontal (UB) 030

2206353-23

Model Nomenclature: UBH030EL004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate		Water FPT	1/2 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

HVAC Products Submittal Package

Proposal # 390998

Project Name: Mercantile - QS
Cincinnati, Ohio

Manufacturer: WaterFurnace International, Inc.

9000 Conservation Way
Fort Wayne, IN 46809
PH:877-677-4420

www.waterfurnace.com
www.wedogeo.com

Representative: Mike Sanker

Stoermer-Anderson
3818 Red Bank Rd

Cincinnati, Ohio 45227-3413

Tel: 513-527-2300
Fax:

Engineer: , Ohio
Contact:

Contractor: , Ohio
Contact:

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

								Schedule
Line / Tag	Description	Family	Voltage	AF Type	Flow Rate	ESP	Air Flow	
1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	4.50 GPM	0.50 InWC	755.00 CFM	
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	4.50 GPM	0.50 InWC	855.00 CFM	
5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	3.00 GPM	0.50 InWC	635.00 CFM	
7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	6.00 GPM	0.50 InWC	1,020.00 CFM	
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	4.00 GPM	0.50 InWC	750.00 CFM	
11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	8.00 GPM	0.50 InWC	1,460.00 CFM	
13 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	4.50 GPM	0.50 InWC	755.00 CFM	
15 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	3.00 GPM	0.50 InWC	635.00 CFM	
17 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	6.00 GPM	0.50 InWC	1,020.00 CFM	
19 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	Versatec 300 Compact Heat Pump 1/2 to 6 Tons	208-230/60/1	Water	6.00 GPM	0.50 InWC	1,020.00 CFM	

														Schedule
Line / Tag	Description	PD	PD	EAT DB	EAT WB	EWT	Total Capacity	Sensible Capacity	S/T Ratio	Power	Heat Rejection	LAT	LWT	EER
1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	4.60 PSI	10.60 FT/HD	76.00 °F	65.00 °F	85.00 °F	22.12 MBTUH	15.42 MBTUH	0.70	1.72 kW	28.00 MBTUH	57.10 °F	97.44 °F	12.90
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	4.60 PSI	10.60 FT/HD	76.00 °F	65.00 °F	85.00 °F	22.46 MBTUH	16.55 MBTUH	0.74	1.79 kW	28.60 MBTUH	58.10 °F	97.71 °F	12.50
5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	2.70 PSI	6.20 FT/HD	76.00 °F	65.00 °F	85.00 °F	13.31 MBTUH	10.62 MBTUH	0.80	1.17 kW	17.30 MBTUH	60.50 °F	96.53 °F	11.40
7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	4.55 PSI	10.50 FT/HD	76.00 °F	65.00 °F	85.00 °F	28.06 MBTUH	19.97 MBTUH	0.71	1.94 kW	34.70 MBTUH	57.90 °F	96.57 °F	14.50
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	3.65 PSI	8.40 FT/HD	76.00 °F	65.00 °F	85.00 °F	17.64 MBTUH	13.10 MBTUH	0.74	1.55 kW	22.90 MBTUH	59.80 °F	96.45 °F	11.40

11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	4.45 PSI	10.30 FT/HD	76.00 °F	65.00 °F	85.00 °F	39.12 MBTUH	29.25 MBTUH	0.75	2.81 kW	48.70 MBTUH	57.50 °F	97.18 °F	13.90
13 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	4.60 PSI	10.60 FT/HD	76.00 °F	65.00 °F	85.00 °F	22.12 MBTUH	15.42 MBTUH	0.70	1.72 kW	28.00 MBTUH	57.10 °F	97.44 °F	12.90
15 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	2.70 PSI	6.20 FT/HD	76.00 °F	65.00 °F	85.00 °F	13.31 MBTUH	10.62 MBTUH	0.80	1.17 kW	17.30 MBTUH	60.50 °F	96.53 °F	11.40
17 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	4.55 PSI	10.50 FT/HD	76.00 °F	65.00 °F	85.00 °F	28.06 MBTUH	19.97 MBTUH	0.71	1.94 kW	34.70 MBTUH	57.90 °F	96.57 °F	14.50
19 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	4.55 PSI	10.50 FT/HD	76.00 °F	65.00 °F	85.00 °F	28.06 MBTUH	19.97 MBTUH	0.71	1.94 kW	34.70 MBTUH	57.90 °F	96.57 °F	14.50

Schedule

Line / Tag	Description	PD	PD	EAT DB	EWT	Total Capacity	Power	Heat Extraction	LAT	COP
1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	5.04 PSI	11.60 FT/HD	68.00 °F	68.00 °F	25.48 MBTUH	1.60 kW	20.00 MBTUH	99.30 °F	4.70
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	5.04 PSI	11.60 FT/HD	68.00 °F	68.00 °F	25.77 MBTUH	1.56 kW	20.40 MBTUH	95.90 °F	4.80
5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	2.94 PSI	6.80 FT/HD	68.00 °F	68.00 °F	15.61 MBTUH	1.01 kW	12.20 MBTUH	90.80 °F	4.50
7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	4.70 PSI	10.90 FT/HD	68.00 °F	68.00 °F	32.97 MBTUH	1.92 kW	26.40 MBTUH	97.90 °F	5.00
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	3.97 PSI	9.20 FT/HD	68.00 °F	68.00 °F	19.54 MBTUH	1.33 kW	15.00 MBTUH	92.10 °F	4.30
11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	4.54 PSI	10.50 FT/HD	68.00 °F	68.00 °F	47.86 MBTUH	2.70 kW	38.60 MBTUH	98.40 °F	5.20
13 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	5.04 PSI	11.60 FT/HD	68.00 °F	68.00 °F	25.48 MBTUH	1.60 kW	20.00 MBTUH	99.30 °F	4.70
15 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	2.94 PSI	6.80 FT/HD	68.00 °F	68.00 °F	15.61 MBTUH	1.01 kW	12.20 MBTUH	90.80 °F	4.50
17 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	4.70 PSI	10.90 FT/HD	68.00 °F	68.00 °F	32.97 MBTUH	1.92 kW	26.40 MBTUH	97.90 °F	5.00
19 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	4.70 PSI	10.90 FT/HD	68.00 °F	68.00 °F	32.97 MBTUH	1.92 kW	26.40 MBTUH	97.90 °F	5.00

Schedule

Line / Tag	Description	Voltage	Voltage Min/Max	Motor HP	Fan Motor FLA	Total Unit FLA	Comp MMC	Comp RLA	Comp LRA	Min Circ Amp	Max Fuse / HACR
1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	208-230/60/1	187/253	0.50 HP	4.10	17.60	21.00	13.50	58.30	21.00	30.00
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	208-230/60/1	187/253	0.50 HP	4.10	17.60	21.00	13.50	58.30	21.00	30.00
5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	208-230/60/1	187/253	0.50 HP	4.10	10.00	9.20	5.90	29.00	11.50	15.00

7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	208-230/60/1	187/253	0.50 HP	4.10	18.20	22.00	14.10	73.00	21.70	35.00
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	208-230/60/1	187/253	0.50 HP	4.10	10.80	10.40	6.70	33.50	12.50	15.00
11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	208-230/60/1	187/253	1.00 HP	7.60	25.50	28.00	17.90	112.00	30.00	45.00
13 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	208-230/60/1	187/253	0.50 HP	4.10	17.60	21.00	13.50	58.30	21.00	30.00
15 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	208-230/60/1	187/253	0.50 HP	4.10	10.00	9.20	5.90	29.00	11.50	15.00
17 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	208-230/60/1	187/253	0.50 HP	4.10	18.20	22.00	14.10	73.00	21.70	35.00
19 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	208-230/60/1	187/253	0.50 HP	4.10	18.20	22.00	14.10	73.00	21.70	35.00

Schedule

Line / Tag	Description	Water Conn Size	HWG Conn Size	Condensate Conn Size	Filter Size	Refrigerant Charge per Circuit	Operating Weight	Packaged Weight
1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb
5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	0.75 in	NA in	0.75 in	16 x 20 in	30.0 oz	168.0 lb	176.0 lb
7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	0.75 in	NA in	0.75 in	16 x 20 in	34.0 oz	168.0 lb	176.0 lb
11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	0.75 in	NA in	0.75 in	1 - 18 x 14, 1 - 18 x 18 in	66.0 oz	296.0 lb	310.0 lb
13 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb
15 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	0.75 in	NA in	0.75 in	16 x 20 in	30.0 oz	168.0 lb	176.0 lb
17 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb
19 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	0.75 in	NA in	0.75 in	16 x 25 in	42.0 oz	231.0 lb	242.0 lb






Schedule

Line / Tag	Description	Warranty	Sample Certificate
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Information contained herein are not express warranties nor do they constitute an agreement between the parties. Water Furnace® may change the design and product specifications at any time. Contact the factory for current information.

1 / WSHP-X01	Versatec 300 Compact Horizontal (UB) 024	Standard Warranty	Click Here
3 / WSHP-C	Versatec 300 Compact Horizontal (UB) 024	Standard Warranty	Click Here
5 / WSHP-X03	Versatec 300 Compact Horizontal (UB) 015	Standard Warranty	Click Here
7 / WSHP-X02	Versatec 300 Compact Horizontal (UB) 030	Standard Warranty	Click Here
9 / WSHP-X08	Versatec 300 Compact Horizontal (UB) 018	Standard Warranty	Click Here
11 / WSHP-X09	Versatec 300 Compact Horizontal (UB) 042	Standard Warranty	Click Here
13 / WSHP-X07	Versatec 300 Compact Horizontal (UB) 024	Standard Warranty	Click Here
15 / WSHP-X05	Versatec 300 Compact Horizontal (UB) 015	Standard Warranty	Click Here
17 / WSHP-X04	Versatec 300 Compact Horizontal (UB) 030	Standard Warranty	Click Here
19 / WSHP-X06	Versatec 300 Compact Horizontal (UB) 030	Standard Warranty	Click Here

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 1, WSHP-X01	Versatec 300 Compact Horizontal (UB) 024 2205994-1
Performance Calculations are at an altitude of 0.00 Feet.	Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

General Data			
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Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium High	External Static: 0.50 InWC	Notes:	
Airflow at 755.00CFM with a Flow Rate of 4.50 GPM @ Full Load.			






Pressure Drop: 4.60 PSI (10.60 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	57.10 °F
LWT	97.44 °F
Power	1.72 kW
EER	12.90
Heat Rejection	28.00 MBTUH
S/T Ratio	0.70
Sensible Cooling Capacity	15.42 MBTUH
Total Cooling Capacity	22.12 MBTUH

Pressure Drop: 5.04 PSI (11.60 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	99.30 °F
LWT	59.11 °F
Power	1.60 kW
COP	4.70
Heat Extraction	20.00 MBTUH
Total Heating Capacity	25.48 MBTUH

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 1, WSHP-X01		Versatec 300 Compact Horizontal (UB) 024 Model Nomenclature: UBH024ER004CBRAD0B30SSK	2205994-1
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	59	63	59	55	54	52	47	43	67	67	59	60	57	56	53	46
Cooling: High Speed	63	65	60	56	54	52	49	44	69	69	61	61	59	56	52	45
Heating: High Speed	63	65	60	56	55	53	48	44	70	69	62	61	60	57	55	48






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 1, WSHP-X01	Versatec 300 Compact Horizontal (UB) 024 2205994-1 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Right
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 1, WSHP-X01	Versatec 300 Compact Horizontal (UB) 024 2205994-1 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	17.60
Compressor MCC	21.00
Compressor RLA	13.50
Compressor LRA	58.30
Water Pump FLA	0.00
Min Circ Amp	21.00
Max Fuse / HACR	30.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 1, WSHP-X01		Versatec 300 Compact Horizontal (UB) 024 Model Nomenclature: UBH024ER004CBRAD0B30SSK	2205994-1
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

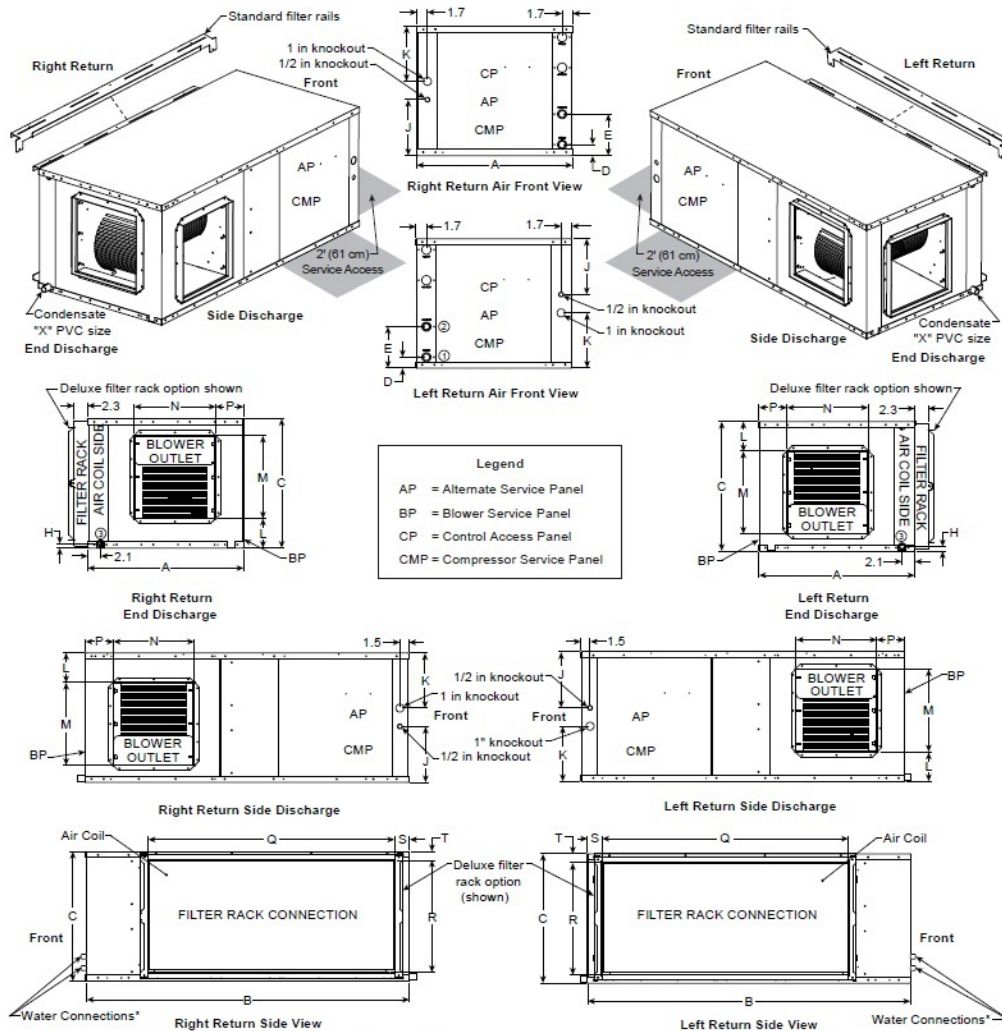
Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 1, WSHP-X01

Versatec 300 Compact Horizontal (UB) 024

2205994-1

Model Nomenclature: UBH024ER004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate		Water FPT	1/2 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 3, WSHP-C Versatec 300 Compact Horizontal (UB) 024 2205994-2
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH024ER004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: High	External Static: 0.50 InWC	Notes:	
Airflow at 855.00CFM with a Flow Rate of 4.50 GPM @ Full Load.			






Pressure Drop: 4.60 PSI (10.60 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	58.10 °F
LWT	97.71 °F
Power	1.79 kW
EER	12.50
Heat Rejection	28.60 MBTUH
S/T Ratio	0.74
Sensible Cooling Capacity	16.55 MBTUH
Total Cooling Capacity	22.46 MBTUH

Pressure Drop: 5.04 PSI (11.60 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	95.90 °F
LWT	58.93 °F
Power	1.56 kW
COP	4.80
Heat Extraction	20.40 MBTUH
Total Heating Capacity	25.77 MBTUH

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 3, WSHP-C		Versatec 300 Compact Horizontal (UB) 024	2205994-2
		Model Nomenclature: UBH024ER004CBRAD0B30SSK	
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>	
			
			

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	59	63	59	55	54	52	47	43	67	67	59	60	57	56	53	46
Cooling: High Speed	63	65	60	56	54	52	49	44	69	69	61	61	59	56	52	45
Heating: High Speed	63	65	60	56	55	53	48	44	70	69	62	61	60	57	55	48






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 3, WSHP-C	Versatec 300 Compact Horizontal (UB) 024 2205994-2 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Right
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 3, WSHP-C	Versatec 300 Compact Horizontal (UB) 024 2205994-2 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	17.60
Compressor MCC	21.00
Compressor RLA	13.50
Compressor LRA	58.30
Water Pump FLA	0.00
Min Circ Amp	21.00
Max Fuse / HACR	30.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 3, WSHP-C	Versatec 300 Compact Horizontal (UB) 024 2205994-2 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

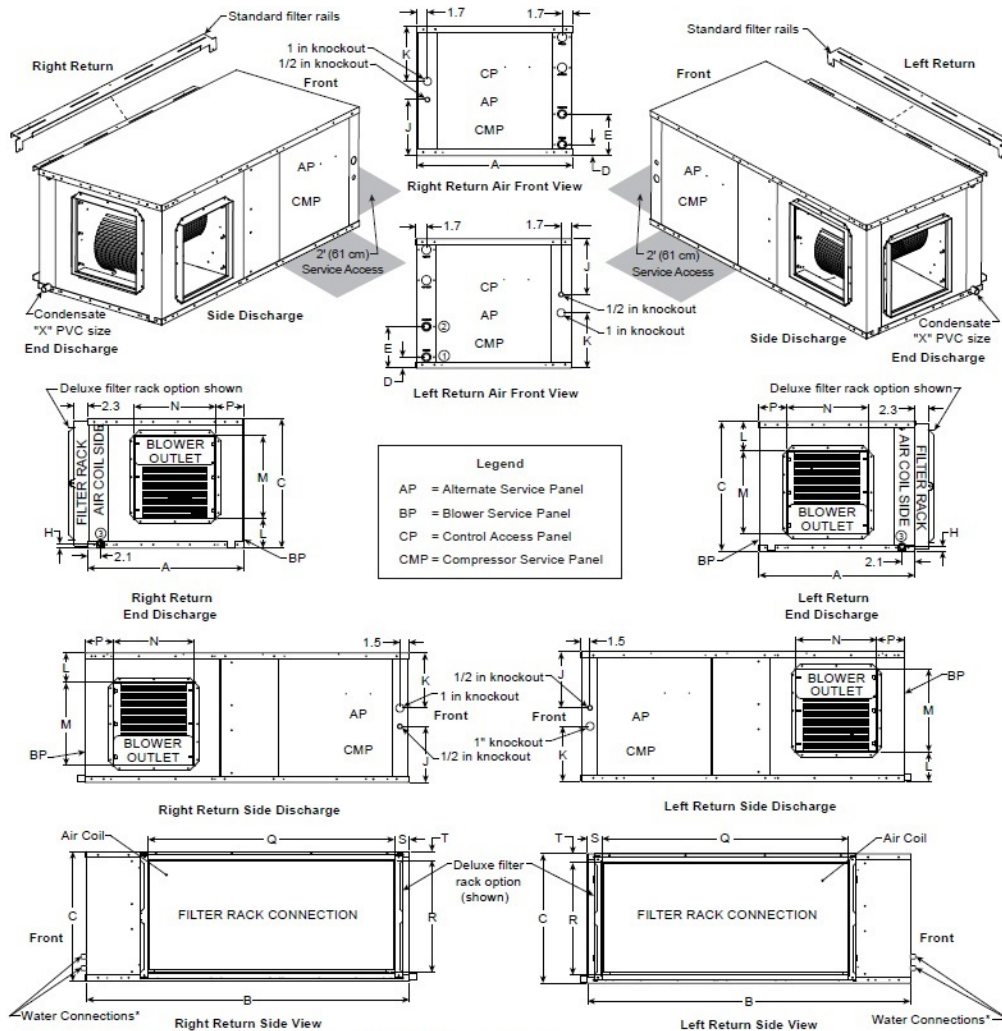
Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 3, WSH-P-C

Versatec 300 Compact Horizontal (UB) 024

2205994-2

Model Nomenclature: UBH024ER004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate		Water FPT	1/2 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 5, WSHP-X03 Versatec 300 Compact Horizontal (UB) 015 2205994-3
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH015EL004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium High	External Static: 0.50 InWC	Notes:	
Airflow at 635.00CFM with a Flow Rate of 3.00 GPM @ Full Load.			





Pressure Drop: 2.70 PSI (6.20 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	60.50 °F
LWT	96.53 °F
Power	1.17 kW
EER	11.40
Heat Rejection	17.30 MBTUH
S/T Ratio	0.80
Sensible Cooling Capacity	10.62 MBTUH
Total Cooling Capacity	13.31 MBTUH

Pressure Drop: 2.94 PSI (6.80 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	90.80 °F
LWT	59.87 °F
Power	1.01 kW
COP	4.50
Heat Extraction	12.20 MBTUH
Total Heating Capacity	15.61 MBTUH

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 5, WSHP-X03		Versatec 300 Compact Horizontal (UB) 015	2205994-3
		Model Nomenclature: UBH015EL004CBRAD0B30SSK	
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>	
			
			

Octave Band Sound Power Level, dB, re 1 pico Watt

Coming Soon !






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 5, WSHP-X03	Versatec 300 Compact Horizontal (UB) 015 2205994-3 Model Nomenclature: UBH015EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 5, WSHP-X03	Versatec 300 Compact Horizontal (UB) 015 2205994-3 Model Nomenclature: UBH015EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	10.00
Compressor MCC	9.20
Compressor RLA	5.90
Compressor LRA	29.00
Water Pump FLA	0.00
Min Circ Amp	11.50
Max Fuse / HACR	15.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 20 in
Refrigerant Charge per Circuit	30.0 oz
Operating Weight	168.0 lb
Packaged Weight	176.0 lb
Notes	

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 5, WSHP-X03		Versatec 300 Compact Horizontal (UB) 015 Model Nomenclature: UBH015EL004CBRAD0B30SSK	2205994-3
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>    	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

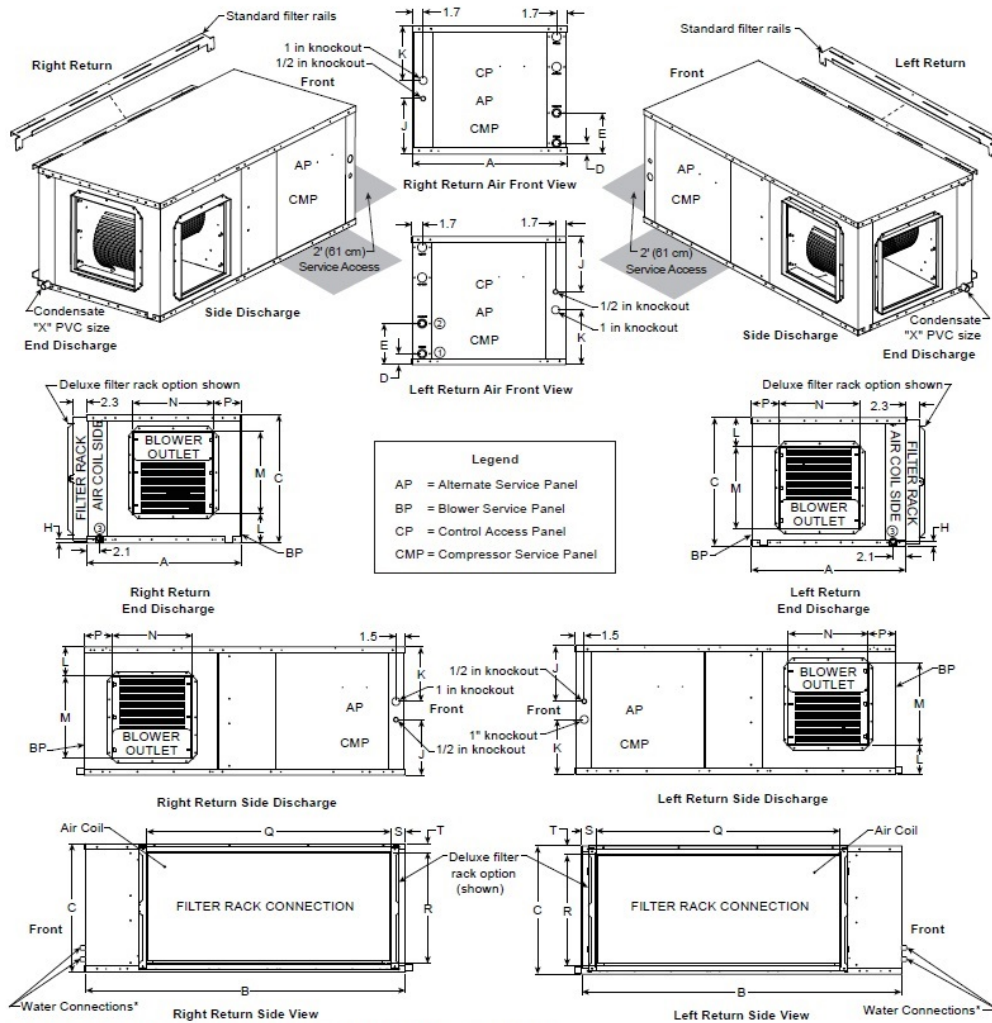
Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 5, WSHP-X03

Versatec 300 Compact Horizontal (UB) 015

2205994-3

Model Nomenclature: UBH015EL004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	D	E	H		1/2 in. cond	1 in. cond
015-018	in. 22.5	in. 35.0	in. 17.2	in. 1.8	in. 6.8	in. 0.8	in. 3/4	in. 7.1	in. 7.1
	cm. 57.2	cm. 88.9	cm. 43.7	cm. 4.6	cm. 17.3	cm. 2.0	mm. 19.05	mm. 18.0	mm. 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth			Return Depth	Return Height			
015-018	in. 5.7	in. 10.5	in. 9.4	in. 4.9	in. 16.4	in. 14.5	in. 2.0	in. 1.4	in. 3/4
	cm. 14.5	cm. 26.7	cm. 23.9	cm. 12.4	cm. 41.7	cm. 36.8	cm. 5.1	cm. 3.6	cm. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 7, WSHP-X02 Versatec 300 Compact Horizontal (UB) 030 2205994-4
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH030EL004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: High	External Static: 0.50 InWC	Notes:	
Airflow at 1,020.00CFM with a Flow Rate of 6.00 GPM @ Full Load.			





Pressure Drop: 4.55 PSI (10.50 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
--	---------------	---------------	---------------

Cooling Data	Full Load
LAT	57.90 °F
LWT	96.57 °F
Power	1.94 kW
EER	14.50
Heat Rejection	34.70 MBTUH
S/T Ratio	0.71
Sensible Cooling Capacity	19.97 MBTUH
Total Cooling Capacity	28.06 MBTUH

Pressure Drop: 4.70 PSI (10.90 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	97.90 °F
LWT	59.20 °F
Power	1.92 kW
COP	5.00
Heat Extraction	26.40 MBTUH
Total Heating Capacity	32.97 MBTUH

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 7, WSHP-X02		Versatec 300 Compact Horizontal (UB) 030 2205994-4
		Model Nomenclature: UBH030EL004CBRAD0B30SSK
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	60	64	60	57	56	54	50	46	68	68	60	62	59	58	56	49
Cooling: High Speed	64	67	61	58	56	54	51	47	70	70	62	63	61	59	55	48
Heating: High Speed	63	67	62	58	57	55	52	47	70	71	63	63	62	59	58	51






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 7, WSHP-X02	Versatec 300 Compact Horizontal (UB) 030 Model Nomenclature: UBH030EL004CBRAD0B30SSK	2205994-4
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 7, WSHP-X02	Versatec 300 Compact Horizontal (UB) 030 Model Nomenclature: UBH030EL004CBRAD0B30SSK	2205994-4
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	18.20
Compressor MCC	22.00
Compressor RLA	14.10
Compressor LRA	73.00
Water Pump FLA	0.00
Min Circ Amp	21.70
Max Fuse / HACR	35.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 7, WSHP-X02		Versatec 300 Compact Horizontal (UB) 030 Model Nomenclature: UBH030EL004CBRAD0B30SSK	2205994-4
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>    	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

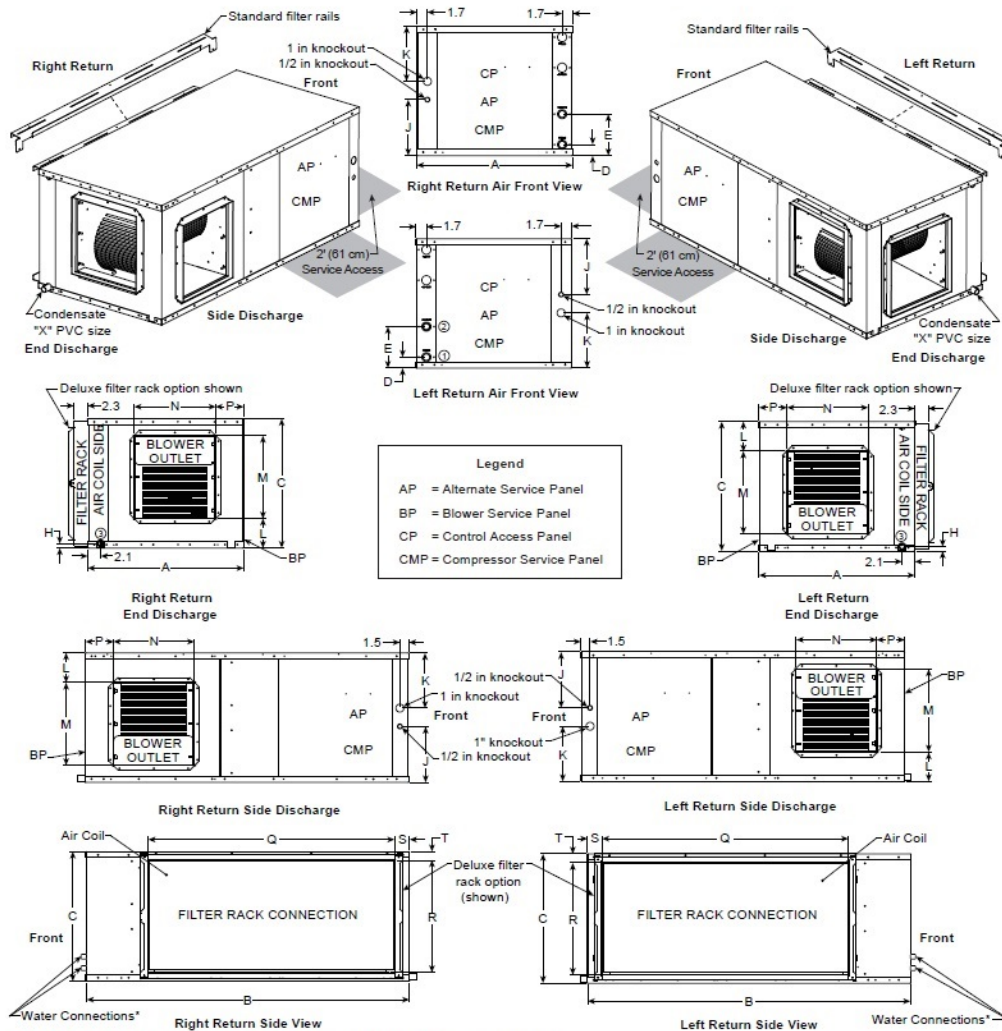
Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 7, WSHP-X02

Versatec 300 Compact Horizontal (UB) 030

2205994-4

Model Nomenclature: UBH030EL004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate		Water FPT	1/2 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 9, WSHP-X08 Versatec 300 Compact Horizontal (UB) 018 2205994-5
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH018ER004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: High	External Static: 0.50 InWC	Notes:	
Airflow at 750.00CFM with a Flow Rate of 4.00 GPM @ Full Load.			






Pressure Drop: 3.65 PSI (8.40 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	59.80 °F
LWT	96.45 °F
Power	1.55 kW
EER	11.40
Heat Rejection	22.90 MBTUH
S/T Ratio	0.74
Sensible Cooling Capacity	13.10 MBTUH
Total Cooling Capacity	17.64 MBTUH

Pressure Drop: 3.97 PSI (9.20 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	92.10 °F
LWT	60.50 °F
Power	1.33 kW
COP	4.30
Heat Extraction	15.00 MBTUH
Total Heating Capacity	19.54 MBTUH

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 9, WSHP-X08		Versatec 300 Compact Horizontal (UB) 018 Model Nomenclature: UBH018ER004CBRAD0B30SSK	2205994-5
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	57	61	55	52	50	47	43	36	65	65	55	57	53	51	47	39
Cooling: High Speed	64	64	57	53	51	47	43	37	71	68	58	58	55	51	46	39
Heating: High Speed	63	64	57	54	51	48	44	39	70	68	59	59	56	52	49	42






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 9, WSHP-X08	Versatec 300 Compact Horizontal (UB) 018 2205994-5 Model Nomenclature: UBH018ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Right
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 9, WSHP-X08	Versatec 300 Compact Horizontal (UB) 018 2205994-5 Model Nomenclature: UBH018ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	10.80
Compressor MCC	10.40
Compressor RLA	6.70
Compressor LRA	33.50
Water Pump FLA	0.00
Min Circ Amp	12.50
Max Fuse / HACR	15.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 20 in
Refrigerant Charge per Circuit	34.0 oz
Operating Weight	168.0 lb
Packaged Weight	176.0 lb
Notes	

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 9, WSHP-X08	Versatec 300 Compact Horizontal (UB) 018 Model Nomenclature: UBH018ER004CBRAD0B30SSK	2205994-5
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

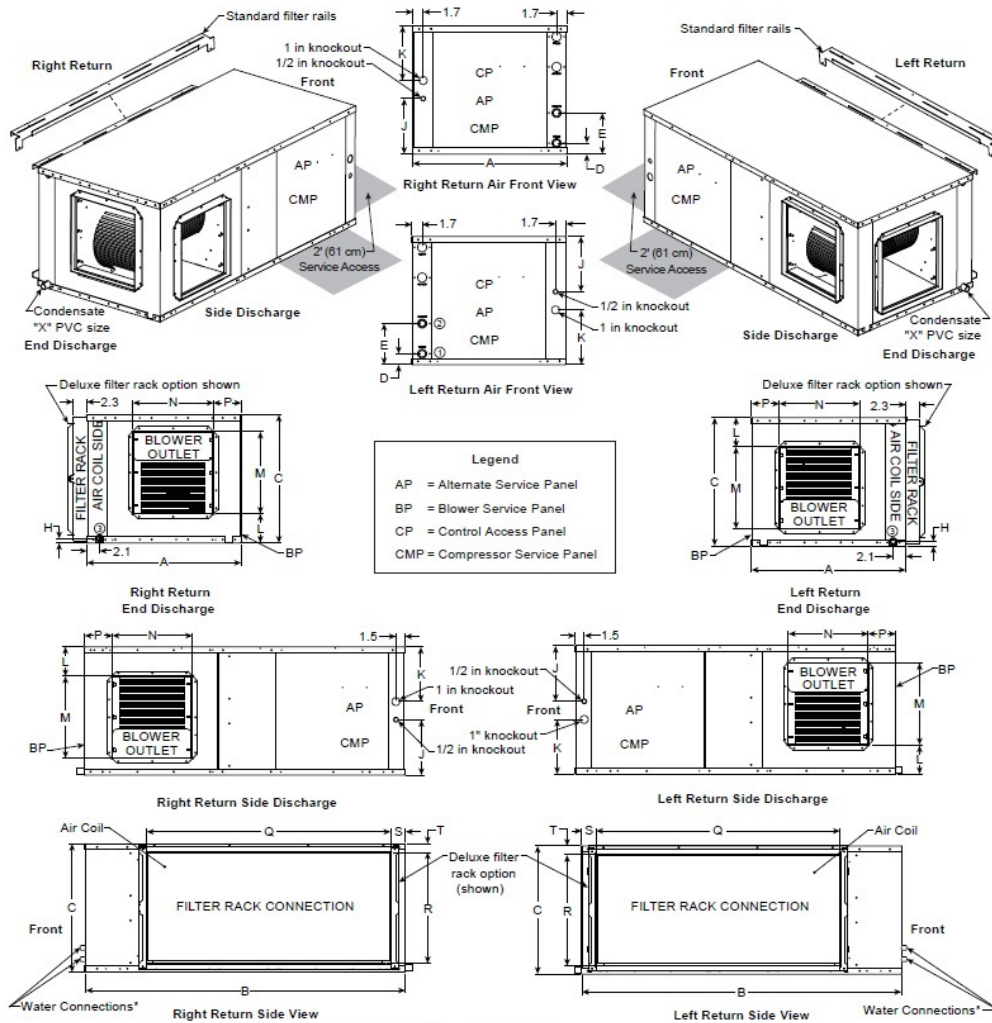
Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 9, WSHP-X08

Versatec 300 Compact Horizontal (UB) 018

2205994-5

Model Nomenclature: UBH018ER004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate	Water FPT	1/2 in. cond	1 in. cond
015-018	in. 22.5 cm. 57.2	in. 35.0 cm. 88.9	in. 17.2 cm. 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth			Return Depth	Return Height			
015-018	in. 5.7 cm. 14.5	in. 10.5 cm. 26.7	in. 9.4 cm. 23.9	in. 4.9 cm. 12.4	in. 16.4 cm. 41.7	in. 14.5 cm. 36.8	in. 2.0 cm. 5.1	in. 1.4 cm. 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 11, WSHP-X09 Versatec 300 Compact Horizontal (UB) 042 2205994-6
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH042SL004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium	External Static: 0.50 InWC	Notes:	
Airflow at 1,460.00CFM with a Flow Rate of 8.00 GPM @ Full Load.			






Pressure Drop: 4.45 PSI (10.30 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	57.50 °F
LWT	97.18 °F
Power	2.81 kW
EER	13.90
Heat Rejection	48.70 MBTUH
S/T Ratio	0.75
Sensible Cooling Capacity	29.25 MBTUH
Total Cooling Capacity	39.12 MBTUH

Pressure Drop: 4.54 PSI (10.50 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	98.40 °F
LWT	58.35 °F
Power	2.70 kW
COP	5.20
Heat Extraction	38.60 MBTUH
Total Heating Capacity	47.86 MBTUH

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 11, WSHP-X09		Versatec 300 Compact Horizontal (UB) 042 2205994-6
		Model Nomenclature: UBH042SL004CBRAD0B30SSK
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	62	66	62	59	58	55	52	45	70	70	62	64	61	59	57	49
Cooling: High Speed	65	68	63	59	58	55	52	46	71	72	64	64	63	60	56	48
Heating: High Speed	64	68	64	60	59	56	53	48	71	72	65	65	64	60	60	52






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 11, WSHP-X09	Versatec 300 Compact Horizontal (UB) 042 2205994-6 Model Nomenclature: UBH042SL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	Side
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 11, WSHP-X09		Versatec 300 Compact Horizontal (UB) 042	2205994-6
		Model Nomenclature: UBH042SL004CBRAD0B30SSK	
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>	
			
			

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	1.00 HP
Fan Motor FLA	7.60
Total Unit FLA	25.50
Compressor MCC	28.00
Compressor RLA	17.90
Compressor LRA	112.00
Water Pump FLA	0.00
Min Circ Amp	30.00
Max Fuse / HACR	45.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	1 - 18 x 14, 1 - 18 x 18 in
Refrigerant Charge per Circuit	66.0 oz
Operating Weight	296.0 lb
Packaged Weight	310.0 lb
Notes	

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 11, WSHP-X09	Versatec 300 Compact Horizontal (UB) 042 Model Nomenclature: UBH042SL004CBRAD0B30SSK	2205994-6
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

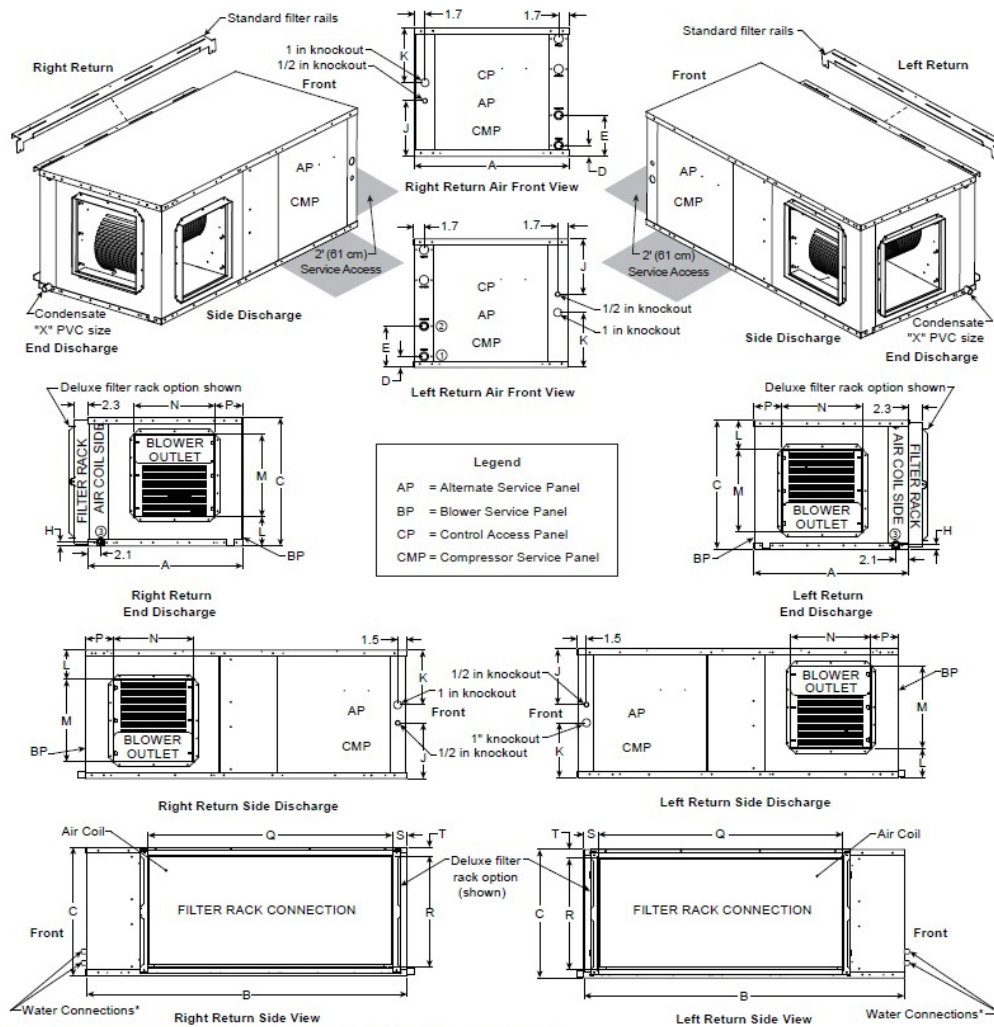
Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 11, WSHP-X09

Versatec 300 Compact Horizontal (UB) 042

2205994-6

Model Nomenclature: UBH042SL004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.






Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	D	E	H	Water FPT	1/2 in. cond	1 in. cond
042-048	in. 22.5	45.0	19.2	1.8	6.8	0.8	3/4 in.	9.2	7.1
	cm. 57.2	114.3	48.8	4.6	17.3	2.0	19.05 mm	23.4	18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth			Return Depth	Return Height			
042-048	in. 4.2	13.6	13.2	2.4	30.4	16.5	2.0	1.5	3/4 in.
	cm. 10.7	34.5	33.5	6.1	77.2	41.9	5.1	3.8	1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections.

09/26/12

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 13, WSHP-X07	Versatec 300 Compact Horizontal (UB) 024 2205994-17
Performance Calculations are at an altitude of 0.00 Feet.	Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

General Data			
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Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium High	External Static: 0.50 InWC	Notes:	
Airflow at 755.00CFM with a Flow Rate of 4.50 GPM @ Full Load.			






Pressure Drop: 4.60 PSI (10.60 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	57.10 °F
LWT	97.44 °F
Power	1.72 kW
EER	12.90
Heat Rejection	28.00 MBTUH
S/T Ratio	0.70
Sensible Cooling Capacity	15.42 MBTUH
Total Cooling Capacity	22.12 MBTUH

Pressure Drop: 5.04 PSI (11.60 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	99.30 °F
LWT	59.11 °F
Power	1.60 kW
COP	4.70
Heat Extraction	20.00 MBTUH
Total Heating Capacity	25.48 MBTUH

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 13, WSHP-X07		Versatec 300 Compact Horizontal (UB) 024 2205994-17
		Model Nomenclature: UBH024ER004CBRAD0B30SSK
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	59	63	59	55	54	52	47	43	67	67	59	60	57	56	53	46
Cooling: High Speed	63	65	60	56	54	52	49	44	69	69	61	61	59	56	52	45
Heating: High Speed	63	65	60	56	55	53	48	44	70	69	62	61	60	57	55	48





Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 13, WSHP-X07	Versatec 300 Compact Horizontal (UB) 024 2205994-17 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Right
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 13, WSHP-X07	Versatec 300 Compact Horizontal (UB) 024 2205994-17 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	17.60
Compressor MCC	21.00
Compressor RLA	13.50
Compressor LRA	58.30
Water Pump FLA	0.00
Min Circ Amp	21.00
Max Fuse / HACR	30.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 13, WSHP-X07	Versatec 300 Compact Horizontal (UB) 024 2205994-17 Model Nomenclature: UBH024ER004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

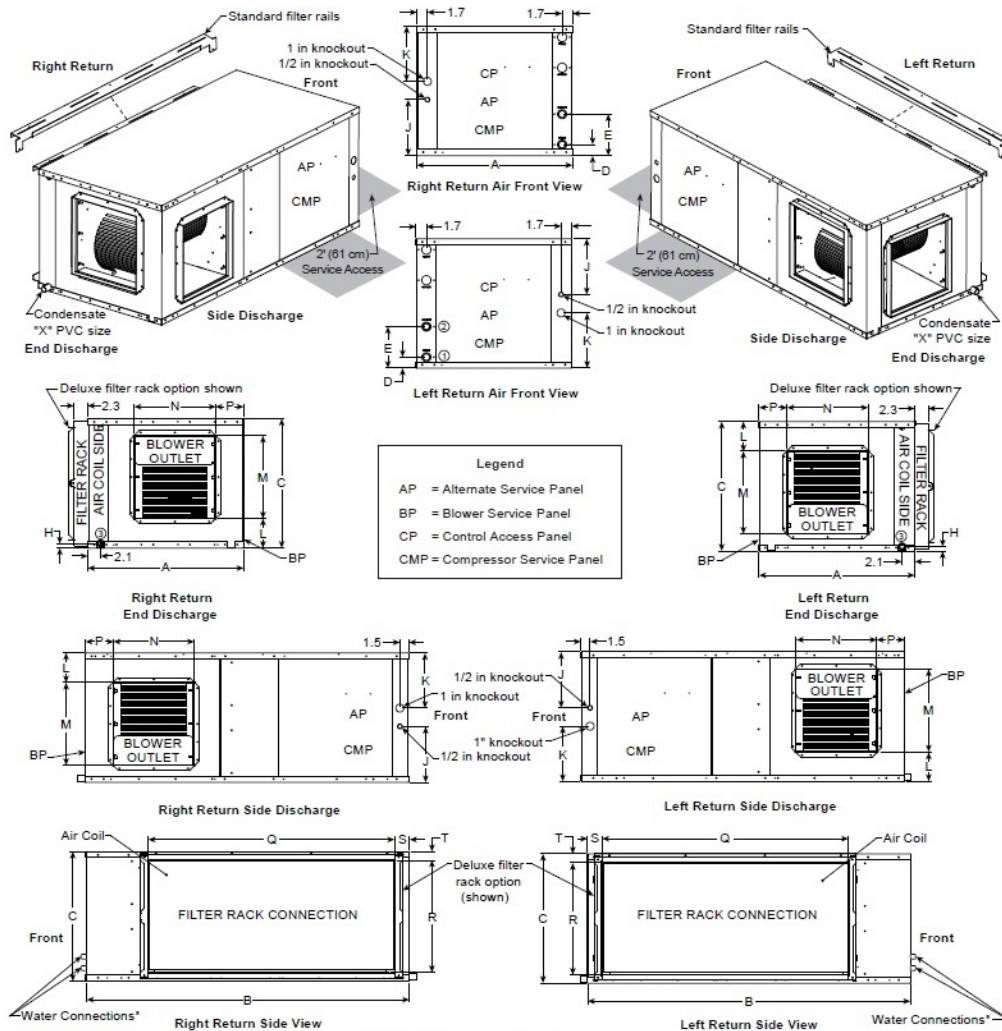
Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 13, WSHP-X07

Versatec 300 Compact Horizontal (UB) 024

2205994-17

Model Nomenclature: UBH024ER004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate		Water FPT	1/2 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 15, WSHP-X05 Versatec 300 Compact Horizontal (UB) 015 2205994-19
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH015EL004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: Medium High	External Static: 0.50 InWC	Notes:	
Airflow at 635.00CFM with a Flow Rate of 3.00 GPM @ Full Load.			






Pressure Drop: 2.70 PSI (6.20 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	60.50 °F
LWT	96.53 °F
Power	1.17 kW
EER	11.40
Heat Rejection	17.30 MBTUH
S/T Ratio	0.80
Sensible Cooling Capacity	10.62 MBTUH
Total Cooling Capacity	13.31 MBTUH

Pressure Drop: 2.94 PSI (6.80 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	90.80 °F
LWT	59.87 °F
Power	1.01 kW
COP	4.50
Heat Extraction	12.20 MBTUH
Total Heating Capacity	15.61 MBTUH

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 15, WSHP-X05		Versatec 300 Compact Horizontal (UB) 015	2205994-19
		Model Nomenclature: UBH015EL004CBRAD0B30SSK	
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p>	
			
			

Octave Band Sound Power Level, dB, re 1 pico Watt

Coming Soon !






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 15, WSHP-X05	Versatec 300 Compact Horizontal (UB) 015 2205994-19 Model Nomenclature: UBH015EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 15, WSHP-X05	Versatec 300 Compact Horizontal (UB) 015 2205994-19 Model Nomenclature: UBH015EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	10.00
Compressor MCC	9.20
Compressor RLA	5.90
Compressor LRA	29.00
Water Pump FLA	0.00
Min Circ Amp	11.50
Max Fuse / HACR	15.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 20 in
Refrigerant Charge per Circuit	30.0 oz
Operating Weight	168.0 lb
Packaged Weight	176.0 lb
Notes	

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 15, WSHP-X05	Versatec 300 Compact Horizontal (UB) 015 Model Nomenclature: UBH015EL004CBRAD0B30SSK	2205994-19
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

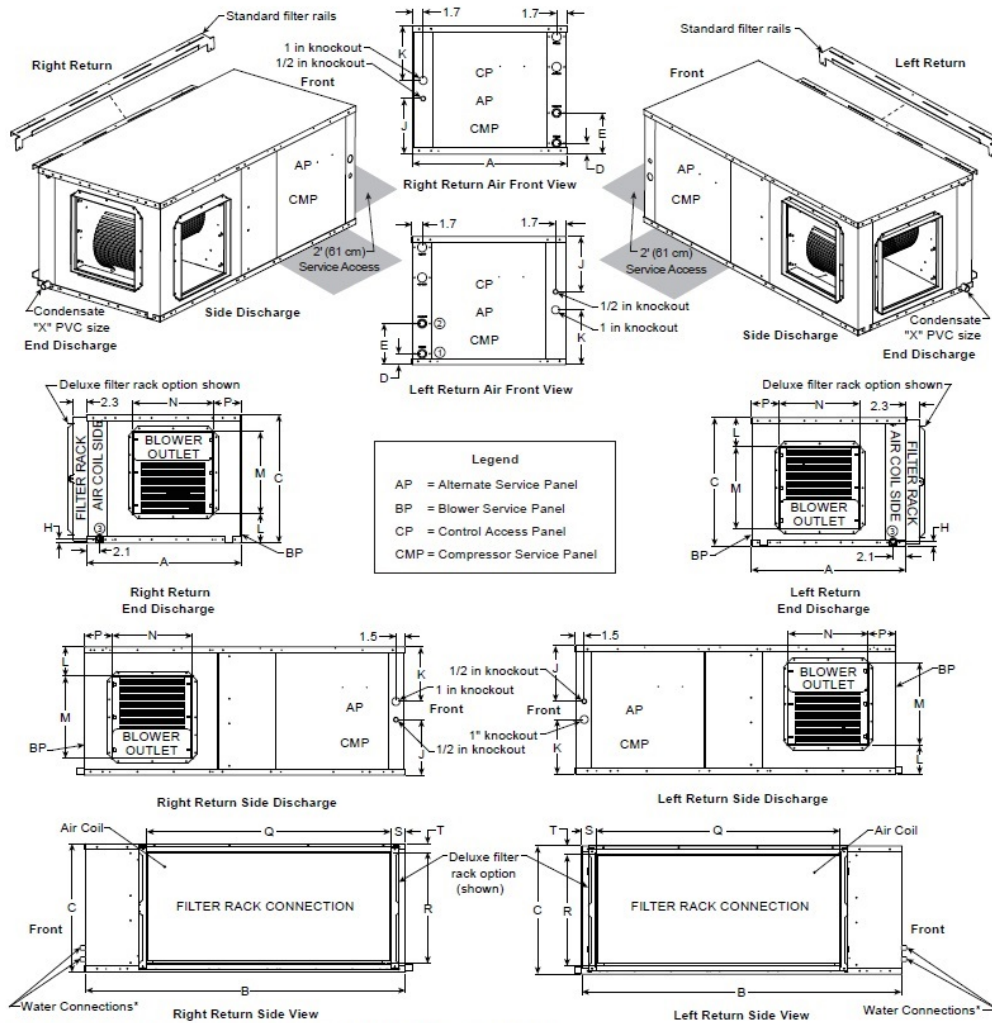
Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 15, WSHP-X05

Versatec 300 Compact Horizontal (UB) 015

2205994-19

Model Nomenclature: UBH015EL004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	D	E	H		1/2 in. cond	1 in. cond
015-018	in. 22.5	in. 35.0	in. 17.2	in. 1.8	in. 6.8	in. 0.8	in. 3/4	in. 7.1	in. 7.1
	cm. 57.2	cm. 88.9	cm. 43.7	cm. 4.6	cm. 17.3	cm. 2.0	mm. 19.05	mm. 18.0	mm. 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Return Depth	Return Height					
015-018	in. 5.7	in. 10.5	in. 9.4	in. 4.9	in. 16.4	in. 14.5	in. 2.0	in. 1.4	in. 3/4
	cm. 14.5	cm. 26.7	cm. 23.9	cm. 12.4	cm. 41.7	cm. 36.8	cm. 5.1	cm. 3.6	cm. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 17, WSHP-X04 Versatec 300 Compact Horizontal (UB) 030 2205994-21
Performance Calculations are at an altitude of 0.00 Feet. Model Nomenclature: UBH030EL004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: High	External Static: 0.50 InWC	Notes:	
Airflow at 1,020.00CFM with a Flow Rate of 6.00 GPM @ Full Load.			






Pressure Drop: 4.55 PSI (10.50 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
--	---------------	---------------	---------------

Cooling Data	Full Load
LAT	57.90 °F
LWT	96.57 °F
Power	1.94 kW
EER	14.50
Heat Rejection	34.70 MBTUH
S/T Ratio	0.71
Sensible Cooling Capacity	19.97 MBTUH
Total Cooling Capacity	28.06 MBTUH

Pressure Drop: 4.70 PSI (10.90 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	97.90 °F
LWT	59.20 °F
Power	1.92 kW
COP	5.00
Heat Extraction	26.40 MBTUH
Total Heating Capacity	32.97 MBTUH

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 17, WSHP-X04		Versatec 300 Compact Horizontal (UB) 030 2205994-21
		Model Nomenclature: UBH030EL004CBRAD0B30SSK
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	60	64	60	57	56	54	50	46	68	68	60	62	59	58	56	49
Cooling: High Speed	64	67	61	58	56	54	51	47	70	70	62	63	61	59	55	48
Heating: High Speed	63	67	62	58	57	55	52	47	70	71	63	63	62	59	58	51






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 17, WSHP-X04	Versatec 300 Compact Horizontal (UB) 030 2205994-21 Model Nomenclature: UBH030EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 17, WSHP-X04	Versatec 300 Compact Horizontal (UB) 030 2205994-21 Model Nomenclature: UBH030EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	18.20
Compressor MCC	22.00
Compressor RLA	14.10
Compressor LRA	73.00
Water Pump FLA	0.00
Min Circ Amp	21.70
Max Fuse / HACR	35.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 17, WSHP-X04	Versatec 300 Compact Horizontal (UB) 030 Model Nomenclature: UBH030EL004CBRAD0B30SSK	2205994-21
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2" - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

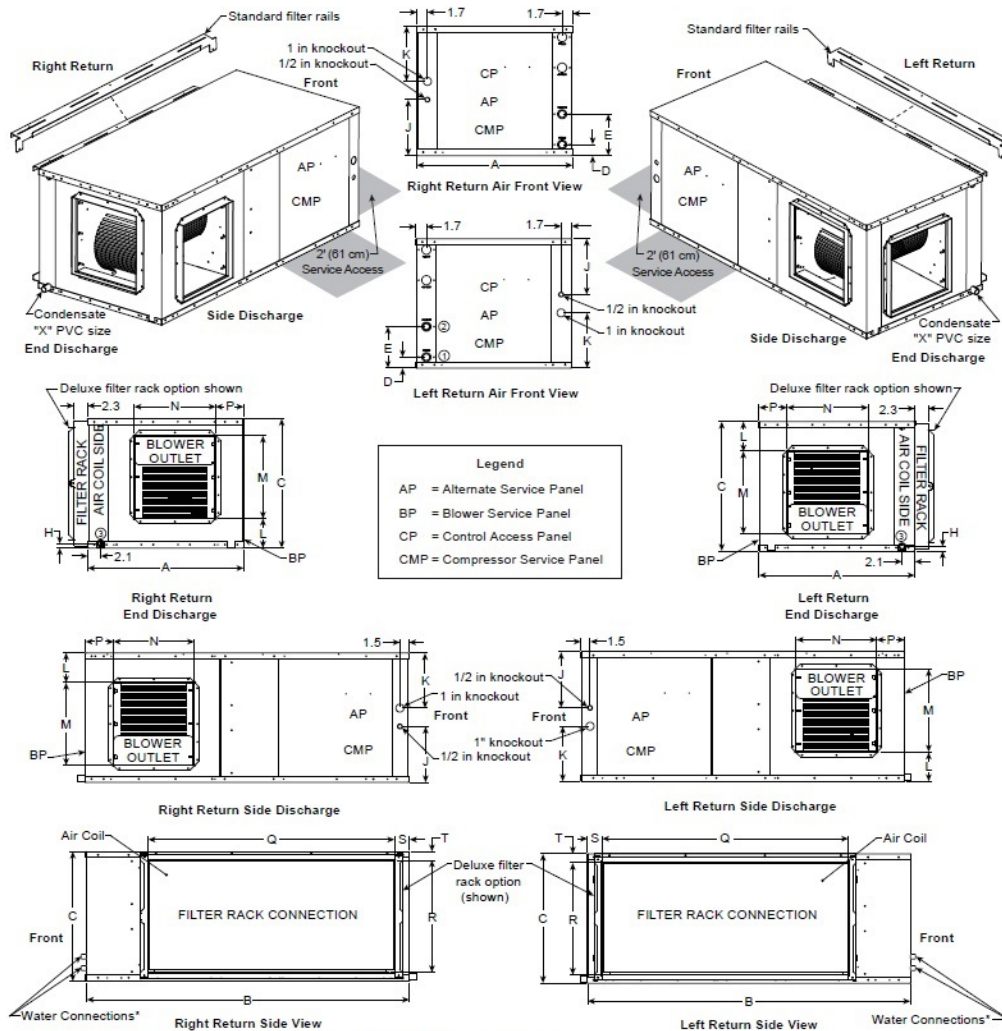
Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 17, WSHP-X04

Versatec 300 Compact Horizontal (UB) 030

2205994-21

Model Nomenclature: UBH030EL004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate		Water FPT	1/2 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Performance Summary - Unit 19, WSHP-X06 2205994-23
 Performance Calculations are at an altitude of 0.00 Feet. Versatec 300 Compact Horizontal (UB) 030
 Model Nomenclature: UBH030EL004CBRAD0B30SSK



This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).



General Data

Voltage: 208-230/60/1	Blower Option: 5 Speed ECM	Fluid / Antifreeze Type: Water	Fluid / Antifreeze %: 0.00
Fan Speed: High	External Static: 0.50 InWC	Notes:	
Airflow at 1,020.00CFM with a Flow Rate of 6.00 GPM @ Full Load.			






Pressure Drop: 4.55 PSI (10.50 FT/HD)	EDB: 76.00 °F	EWB: 65.00 °F	EWT: 85.00 °F
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Cooling Data	Full Load
LAT	57.90 °F
LWT	96.57 °F
Power	1.94 kW
EER	14.50
Heat Rejection	34.70 MBTUH
S/T Ratio	0.71
Sensible Cooling Capacity	19.97 MBTUH
Total Cooling Capacity	28.06 MBTUH

Pressure Drop: 4.70 PSI (10.90 FT/HD)	EDB: 68.00 °F	EWT: 68.00 °F
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Heating Data	Full Load
LAT	97.90 °F
LWT	59.20 °F
Power	1.92 kW
COP	5.00
Heat Extraction	26.40 MBTUH
Total Heating Capacity	32.97 MBTUH

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio






Sound Data Summary - Unit 19, WSHP-X06	Versatec 300 Compact Horizontal (UB) 030 2205994-23 Model Nomenclature: UBH030EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Octave Band Sound Power Level, dB, re 1 pico Watt

MODE	Free Air Inlet Combined with Casing (Cabinet) Radiated								Ducted Discharge							
	Octave Band Frequency, Hz								Octave Band Frequency, Hz							
	63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000
Fan Only	60	64	60	57	56	54	50	46	68	68	60	62	59	58	56	49
Cooling: High Speed	64	67	61	58	56	54	51	47	70	70	62	63	61	59	55	48
Heating: High Speed	63	67	62	58	57	55	52	47	70	71	63	63	62	59	58	51






Data based on sound measurements made in a Reverberant room on representative units from each cabinet size in accordance with ARI standard 260-2001

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Base Unit Summary - Unit 19, WSHP-X06	Versatec 300 Compact Horizontal (UB) 030 2205994-23 Model Nomenclature: UBH030EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>






Option	Selection
Cabinet Configuration	Horizontal
Return	Left
Vintage	Current
Non-Standard Options	Standard Option
Air Coil / Insulation Options	All-Aluminum No Coating
Water Control	Automatic Flow Control Valve, 3 gpm/ton
Sound Kit	Sound Kit (Compressor Blanket)
Controls Options	Aurora Control
Discharge Air	End
Cabinet Options	Unpainted Cabinet, Filter Rail
Drain Pan Option	Composite, No Secondary Connection
Phase Guard and Disconnect	Disconnect Only
Water Coil	Copper
Filter	MERV 13
Warranty Option	Standard Warranty

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Electrical / Physical Data Summary - Unit 19, WSHP-X06	Versatec 300 Compact Horizontal (UB) 030 2205994-23 Model Nomenclature: UBH030EL004CBRAD0B30SSK
	<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>

Option	Selection
Blower Option	5 Speed ECM
Voltage	208-230/60/1
Voltage Min/Max	187/253
Motor	0.50 HP
Fan Motor FLA	4.10
Total Unit FLA	18.20
Compressor MCC	22.00
Compressor RLA	14.10
Compressor LRA	73.00
Water Pump FLA	0.00
Min Circ Amp	21.70
Max Fuse / HACR	35.00
Water Connection Size	0.75 in
HWG Connection Size	NA in
Condensate Connection Size	0.75 in
Filter Size	16 x 25 in
Refrigerant Charge per Circuit	42.0 oz
Operating Weight	231.0 lb
Packaged Weight	242.0 lb
Notes	

Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Accessory Summary - Unit 19, WSHP-X06		Versatec 300 Compact Horizontal (UB) 030 Model Nomenclature: UBH030EL004CBRAD0B30SSK	2205994-23
		<p>This product is a true value option that provides high efficiency while maintaining a small cabinet footprint. 17.0 EER / 3.5 COP (ARI 13256-1 GLHP), 14.7 EER / 4.9 COP (ARI 13256-1 WLHP).</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>	

Option	Selection	Option	Selection
Hose Kit Size	0.75"	900MHz Wireless Transceiver Module RFMS01	No
Hose Kit Length	24"	Comfort Call Module CCMS01	No
Hose Kit Fitting	MPT	Plug-in USB Port Programmer PROGS01	No
Hose Kit Type	Hoses Only (Pair)	Network Communicating Thermostat	None
Hose Kit GPM	N/A	Hot Water Generator Pump Kit	None
Special Factory Installed Option - Discharge Air Temperature Sensor	No	Accessory Relay Board (Provides additional relay contacts)	No
Field Installed Room Command Module	None	Duct Mounted Auxillary Heater	None
Field Installed Room Zone Temperature Sensor	None	Flow Center / Pump Kit	None
Remote Clamp On Capsule Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 1.5" FPT X 2" GeoLink)	No
Remote Duct Insertion Style Temperature Sensor	No	Large Flow Center Fitting (Set of 2 - 2" FPT X 2" GeoLink)	No
BAS Network Humidity Sensor	None	Large Flow Center Fitting (Set of 2 - 2 - Flushing Adapter)	No
Dehumidistat	No	Spare / Additional Filter(s)	None
Thermostat	None	Mounting Pad	No
Indoor Surface Mount Sensor TSU01	No	Thermostat Accessory Cover with Embedded Passive Infra-Red Motion Detector	No
Indoor Flush Mount Sensor TSU03	No	Disconnect	None
Outdoor Sensor TSU02	No	Chassis Mounting Backplate	No
Indoor Remote Sensor TSW01	No	Freeze Protection Kit	None
Outdoor Sensor TSW02	No	Wireless Indoor / Outdoor Sensor TSS01	No

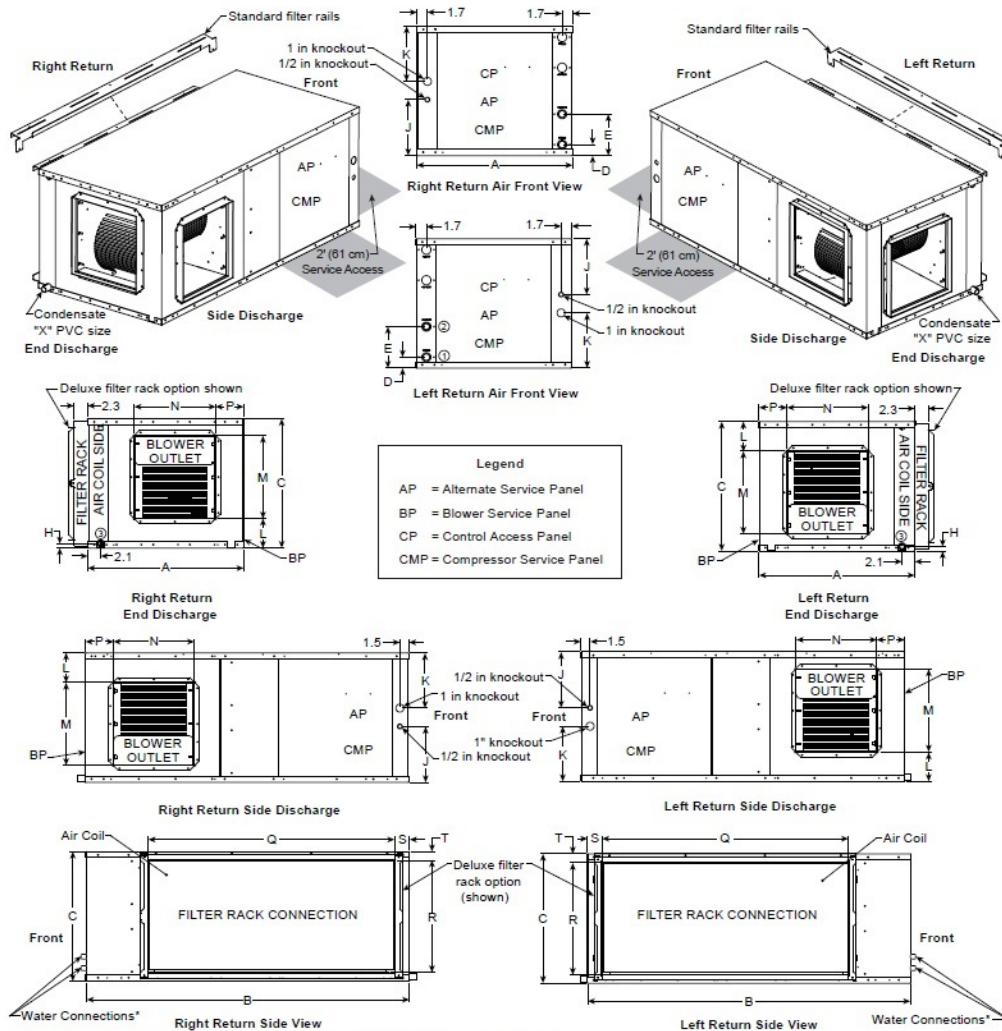
Project: Mercantile - QS, Cincinnati, Ohio
 Contractor: , , Ohio
 Engineer: , , Ohio
 Representative: Stoermer-Anderson, Cincinnati , Ohio

Dimensional Data - Unit 19, WSHP-X06

Versatec 300 Compact Horizontal (UB) 030

2205994-23

Model Nomenclature: UBH030EL004CBRAD0B30SSK



NOTE: * Water connections protrude approximately 1.5 in. from cabinet.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts	
	A	B	C	1	2	3	Loop	J	K
	Width	Depth	Height*	In	Out	Condensate		Water FPT	1/2 in. cond
024-030	in. 22.5 cm. 57.2	42.0 106.7	17.2 43.7	1.8 4.6	6.8 17.3	0.8 2.0	3/4 in. 19.05 mm	7.1 18.0	7.1 18.0

Horizontal Models	Discharge Connection duct flange installed (30.10 in)				Return Connection using deluxe filter rack option (30.10 in)				PVC Size
	L	M	N	P	Q	R	S	T	
	Supply Width	Supply Depth	Supply Depth	Return Depth	Return Height				
024-030	in. 5.7 cm. 14.5	10.5 26.7	9.4 23.9	4.9 12.4	23.4 59.4	14.5 36.8	2.0 5.1	1.4 3.6	3/4 in. 1.9

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rail extending 2.2 in. from the unit and is not suitable for duct connection. For ductable return connection applications, order the 2 in. (field adjustable to 1 in.) duct collar/ filter rack which extends to 3.25 in. from the unit and is suitable for duct connections. 09/26/12