SUBMITTAL

Project Name:	River Valley MS
Project Location:	
Engineer:	
Contractor:	
Contact:	
Date:	March 10, 2023

Submitted By:	HABEGGER CORP 11413 ENTERPRISE PARK DRIVE CINCINNATI, OH UNITED STATES, 45241
Telephone:	(513) 612 - 4700
Fax:	(513) 612 - 4701
Contact:	james powers

Nailor Single Duct VAV Units

Project: River Valley MS | Date Created: 3/3/2023

Customer: | Date Due: 3/3/2023

Engineer:

Weight values are typical unit dry weights, and may not be specific for that product.

Corner weights must be measured in the field with all components attached.

For blank weight values, please contact factory.

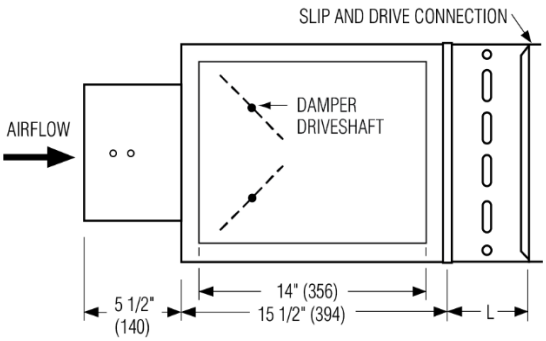
Item ID	Group	Floor	Tag1	Tag2	Model	ControlType	Heater Type	Quantity	Unit Size	Inlet Size	Outlet Size	Weight	Primary Max AF (cfm)	Primary Min AF (cfm)	Inlet SP (in wg)	Outlet SP (in wg)	Min Inlet SP (in wg)	MOP	MCA	Acoustic Media	Integral Attenuator	Rad NC	Dis NC	Rad NC OB	Dis NC OB	HW Calc Method	HW Htg AF (cfm)	HW EWT (°F)	HW EAT (°F)	HW Rows	HW Fluid Flow (gpm)	HW AFV @ Min (fpm)	HW AFV @ Max (fpm)	HW Total Heat (mbh)	HW LAT (°F)	HW LWT (°F)	HW DT (°F)	HW FV (fps)	HW Fluid PD (ft wg)	Total HW Air PD @Min (in wg)	Total HW Air PD @Max (in wg)	HW FPI or MMPF	HW Connection Size (in)	HW Fluid Type	HW Glycol Pct	HW AHRI Certified
1			VAV-01		D30RW	D	W	1	14	14	24 X 12 1/2		1400	500	0.75	0.25	0.01	15	0		No	15	15			Rows, Fluid Flow	1100	140	55	2	4.77	528	672	40.9	89.3	122.6	17.37	4.01	6.88	0.19	0.28	10	0.875	WTR	0	-1
2			VAV-02		D30RW	D	W	1	14	14	24 X 12 1/2		1400	500	0.75	0.25	0.01	15	0		No	15	15			Rows, Fluid Flow	1100	140	55	2	4.77	528	672	40.9	89.3	122.6	17.37	4.01	6.88	0.19	0.28	10	0.875	WTR	0	-1
3			VAV-03		D30RW	D	W	1	14	14	24 X 12 1/2		1400	500	0.75	0.25	0.01	15	0		No	15	15			Rows, Fluid Flow	1100	140	55	2	4.77	528	672	40.9	89.3	122.6	17.37	4.01	6.88	0.19	0.28	10	0.875	WTR	0	-1
4			VAV-04		D30RW	D	W	1	10	10	14 X 12 1/2		850	300	0.75	0.25	0.01	15	0		No	15	15			Rows, Fluid Flow	700	140	55	2	3.04	576	699.43	24.4	87.1	123.8	16.24	2.56	2.06	0.22	0.3	10	0.875	WTR	0	-1
5			VAV-05		D30RW	D	W	1	10	10	14 X 12 1/2		950	350	0.75	0.25	0.01	15	0		No	15	18			Rows, Fluid Flow	750	140	55	2	3.26	617.1	781.71	25.5	86.4	124.1	15.85	2.74	2.35	0.24	0.36	10	0.875	WTR	0	-1
6			VAV-06		D30RW	D	W	1	12	12	18 X 12 1/2		1000	350	0.75	0.25	0.01	15	0		No	15	15			Rows, Fluid Flow	750	140	55	2	3.26	480	640	28.3	89.7	122.4	17.56	2.74	2.73	0.16	0.26	10	0.875	WTR	0	-1
7			VAV-07		D30RW	D	W	1	8	08	12 X 12 1/2		725	275	0.75	0.25	0.01	15	0		No	15	20		3	Rows, Fluid Flow	550	140	55	2	2.39	528	696	19.4	87.6	123.5	16.49	2.01	1.19	0.19	0.3	10	0.875	WTR	0	-1
8			VAV-08		D30RW	D	W	1	6	06	10 X 10		200	75	0.75	0.25	0.01	15	0		No	15	19			Rows, Fluid Flow	150	140	55	2	0.65	216	288	6.5	94.9	119.8	20.24	0.55	0.07	0.04	0.07	10	0.875	WTR	0	-1
9			VAV-09		D30RW	D	W	1	6	06	10 X 10		400	150	0.75	0.25	0.01	15	0		No	15	20		3	Rows, Fluid Flow	300	140	55	2	1.3	432	576	10.8	88.2	123.2	16.83	1.09	0.26	0.13	0.22	10	0.875	WTR	0	-1
10			VAV-10		D30RW	D	W	1	6	06	10 X 10		250	100	0.75	0.25	0.01	15	0		No	15	20		2	Rows, Fluid Flow	200	140	55	2	0.87	288	360	8.1	92.2	121.2	18.8	0.73	0.12	0.07	0.1	10	0.875	WTR	0	-1
11			VAV-11		D30RW	D	W	1	10	10	14 X 12 1/2		800	300	0.75	0.25	0.01	15	0		No	15	15			Rows, Fluid Flow	600	140	55	2	2.6	493.7	658.29	22	88.8	122.9	17.11	2.19	1.52	0.17	0.27	10	0.875	WTR	0	-1
12			VAV-12		D30RW	D	W	1	8	08	12 X 12 1/2		600	200	0.75	0.25	0.01	15	0		No	15	19			Rows, Fluid Flow	450	140	55	2	1.95	432	576	16.9	89.7	122.4	17.6	1.64	0.8	0.13	0.22	10	0.875	WTR	0	-1
13			CV-01		D30RW	D	W	1	6	06	10 X 10		250	250	0.75	0.25	0.01	15	0		No	15	20		2	Rows, Fluid Flow	250	140	55	2	1	360	360	9.3	89.3	121.2	18.84	0.84	0.16	0.1	0.1	10	0.875	WTR	0	-1
14			CV-02		D30RW	D	W	1	6	06	10 X 10		300	300	0.75	0.25	0.01	15	0		No	15	16			Rows, Fluid Flow	300	140	55	2	1.3	432	432	10.8	88.2	123.2	16.83	1.09	0.26	0.13	0.13	10	0.875	WTR	0	-1
15			CV-03		D30RW	D	W	1	6	06	10 X 10		250	250	0.75	0.25	0.01	15	0		No	15	20		2	Rows, Fluid Flow	250	140	55	2	1	360	360	9.3	89.3	121.2	18.84	0.84	0.16	0.1	0.1	10	0.875	WTR	0	-1

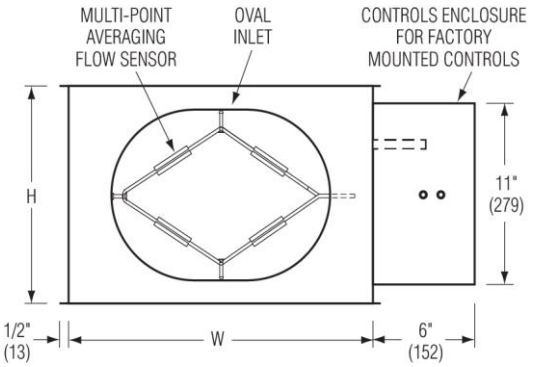
PROJECT SCHEDULE
River Valley MS
Terminal Units

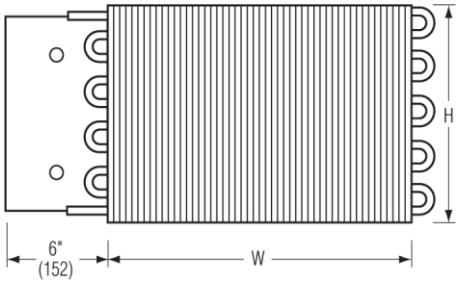
Item	Qty	Model / Option Codes	Tag 1	Unit Size	Inlet Size	Max Cooling CFM	Min Cooling CFM	Aux. Min CFM
1	1	D30RW	VAV-01	14	14	1400	500	1100
		14- 14- NB- OR- FDD- FN- W2R- VPBO						
2	1	D30RW	VAV-02	14	14	1400	500	1100
		14- 14- NB- OR- FDD- FN- W2R- VPBO						
3	1	D30RW	VAV-03	14	14	1400	500	1100
		14- 14- NB- OR- FDD- FN- W2R- VPBO						
4	1	D30RW	VAV-04	10	10	850	300	700
		10- 10- NB- OR- FDD- FN- W2R- VPBO						
5	1	D30RW	VAV-05	10	10	950	350	750
		10- 10- NB- OR- FDD- FN- W2R- VPBO						
6	1	D30RW	VAV-06	12	12	1000	350	750
		12- 12- NB- OR- FDD- FN- W2R- VPBO						
7	1	D30RW	VAV-07	08	08	725	275	550
		08- 08- NB- OR- FDD- FN- W2R- VPBO						
8	1	D30RW	VAV-08	06	06	200	75	150
		06- 06- NB- OR- FDD- FN- W2R- VPBO						
9	1	D30RW	VAV-09	06	06	400	150	300
		06- 06- NB- OR- FDD- FN- W2R- VPBO						
10	1	D30RW	VAV-10	06	06	250	100	200
		06- 06- NB- OR- FDD- FN- W2R- VPBO						
11	1	D30RW	VAV-11	10	10	800	300	600
		10- 10- NB- OR- FDD- FN- W2R- VPBO						
12	1	D30RW	VAV-12	08	08	600	200	450
		08- 08- NB- OR- FDD- FN- W2R- VPBO						
13	1	D30RW	cv-01	06	06	250	250	
		06- 06- NB- OR- FDD- FN- W2R- VPBO						
14	1	D30RW	CV-02	06	06	300	300	
		06- 06- NB- OR- FDD- FN- W2R- VPBO						
15	1	D30RW	CV-03	06	06	250	250	250
		06- 06- NB- OR- FDD- FN- W2R- VPBO						

Dimensions are in inches (mm)

Items: 1, 2, 3, 6; Tags: VAV-01; VAV-02; VAV-03; VAV-06







DIMENSIONAL DATA

Unit Size	Inlet Size	Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size (Nominal)	Coil Length (L) 1&2 Rows	Coil Connections 2 Row
12	12	0 – 2500 (0 – 1180)	18 (457)	12 1⁄2 (318)	12 15⁄16 x 9 13⁄16 (329 x 249) Oval	5 (127)	7/8 (22)
14	14	0 – 3125 (0 – 1475)	24 (610)	12 1⁄2 (318)	16 1⁄16 x 9 13⁄16 (408 x 249) Oval	5 (127)	7/8 (22)

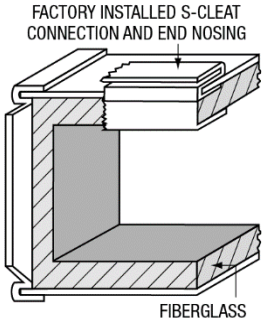
Maximum airflow limit is based upon 1.5" w.g. (373 Pa) max. differential pressure signal from Flow Sensor.
O.D. male solder sweat connections.

FEATURES

• 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
• 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
• Multi-point averaging sensor. Supplied with balancing tees
• Damper Actuator: Not Provided
• 1/2" (13) Copper tubes and aluminum ripple fins, 10 per inch
• NB - Controls: By Others (Field Mounted)
• OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
• FDD - 3/4" (19) Dual Density Fiberglass Liner

- FN - Full NEMA 1 type 24V Controls Enclosure
- W2R - Hot Water Coil: 2 Row, Right-hand

FDD - Dual Density Fiberglass Liner

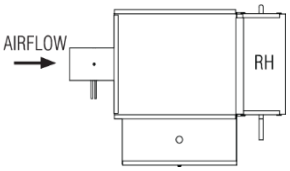


- 3/4" (19) thick dual density insulation, minimum 1.5 lb./cu.ft (24 kg/m3) density with exposed edges coated to reduce air erosion

Meets requirements:

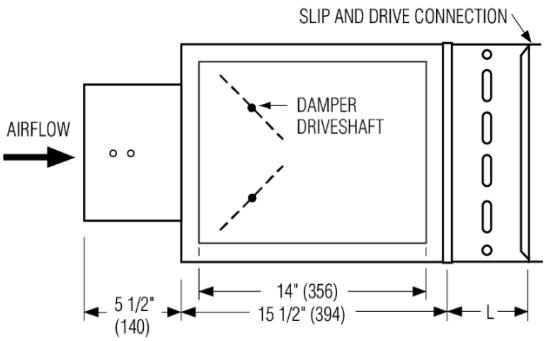
- UL 181 & 723
- NFPA 90A & 90B
- ASTM E 84 & C 1071
- CAN/ULC S102-M88

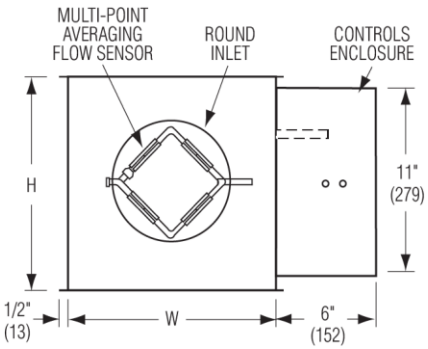
OR/W2R - Top View Orientation- Controls Location, Hot Water Coil Connection

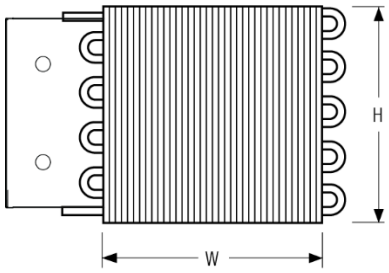


Right Hand Controls Location/Right Hand Hot Water Coil Connection

Items: 4, 5, 7, 11, 12; Tags: VAV-04; VAV-05; VAV-07; VAV-11; VAV-12







Right-hand controls location shown
*Controls Enclosure optional with field mounted controls

DIMENSIONAL DATA

Unit Size	Inlet Size	Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size (Nominal)	Coil Length (L) 1&2 Rows	Coil Connections 2 Row
8	8	0 – 1100 (0 – 519)	12 (305)	12 1⁄2 (318)	7 7⁄8 (200) Round	5 (127)	7/8 (22)
10	10	0 – 1840 (0 – 868)	14 (356)	12 1⁄2 (318)	9 7⁄8 (251) Round	5 (127)	7/8 (22)

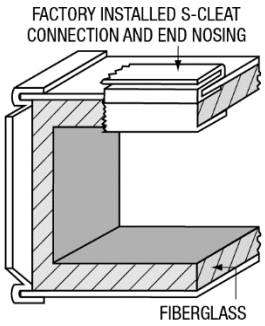
Maximum airflow limit is based upon 1.5" w.g. (373 Pa) max. differential pressure signal from Flow Sensor.
O.D. male solder sweat connections.

FEATURES

- 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging sensor. Supplied with balancing tees
- Damper Actuator: Not Provided
- 1/2" (13) Copper tubes and aluminum ripple fins, 10 per inch
- NB - Controls: By Others (Field Mounted)

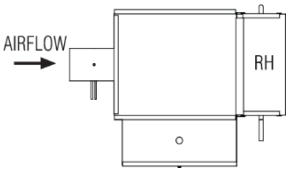
• OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
• FDD - 3/4" (19) Dual Density Fiberglass Liner
• FN - Full NEMA 1 type 24V Controls Enclosure
• W2R - Hot Water Coil: 2 Row, Right-hand

FDD - Dual Density Fiberglass Liner



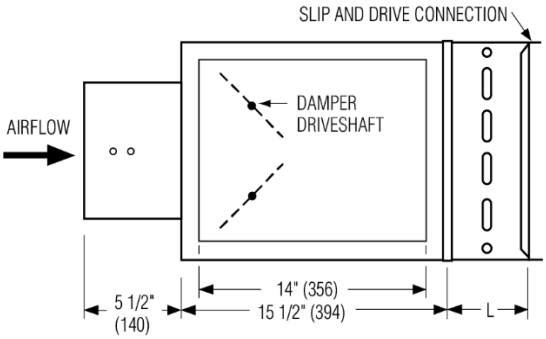
• 3/4" (19) thick dual density insulation, minimum 1.5 lb./cu.ft (24 kg/m3) density with exposed edges coated to reduce air erosion
Meets requirements:
• UL 181 & 723
• NFPA 90A & 90B
• ASTM E 84 & C 1071
• CAN/ULC S102-M88

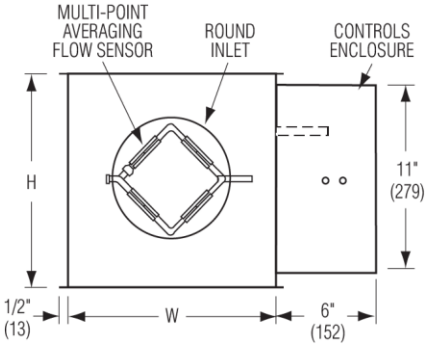
OR/W2R - Top View Orientation- Controls Location, Hot Water Coil Connection

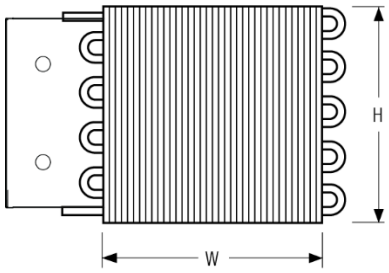


Right Hand Controls Location/Right Hand Hot Water Coil Connection

Items: 8, 9, 10, 13, 14, 15; Tags: VAV-08; VAV-09; VAV-10; cv-01; CV-02; CV-03







Right-hand controls location shown
*Controls Enclosure optional with field mounted controls

DIMENSIONAL DATA

Unit Size	Inlet Size	Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size (Nominal)	Coil Length (L) 1&2 Rows	Coil Connections 2 Row
6	6	0 – 550 (0 – 260)	10 (254)	10 (254)	5 7/8 (149) Round	5 (127)	7/8 (22)

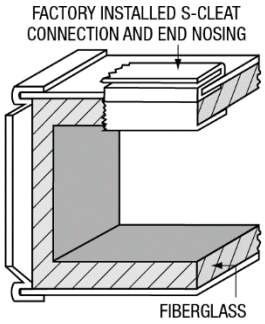
Maximum airflow limit is based upon 1.5" w.g. (373 Pa) max. differential pressure signal from Flow Sensor.
O.D. male solder sweat connections.

FEATURES

• 16 ga. (1.61) corrosion-resistant steel inclined single blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
• 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
• Multi-point averaging sensor. Supplied with balancing tees
• Damper Actuator: Not Provided
• 1/2" (13) Copper tubes and aluminum ripple fins, 10 per inch
• NB - Controls: By Others (Field Mounted)
• OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)

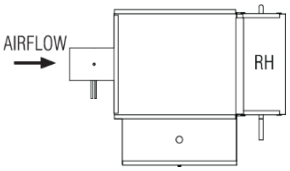
- FDD - 3/4" (19) Dual Density Fiberglass Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- W2R - Hot Water Coil: 2 Row, Right-hand

FDD - Dual Density Fiberglass Liner



• 3/4" (19) thick dual density insulation, minimum 1.5 lb./cu.ft (24 kg/m3) density with exposed edges coated to reduce air erosion
Meets requirements:
• UL 181 & 723
• NFPA 90A & 90B
• ASTM E 84 & C 1071
• CAN/ULC S102-M88

OR/W2R - Top View Orientation- Controls Location, Hot Water Coil Connection



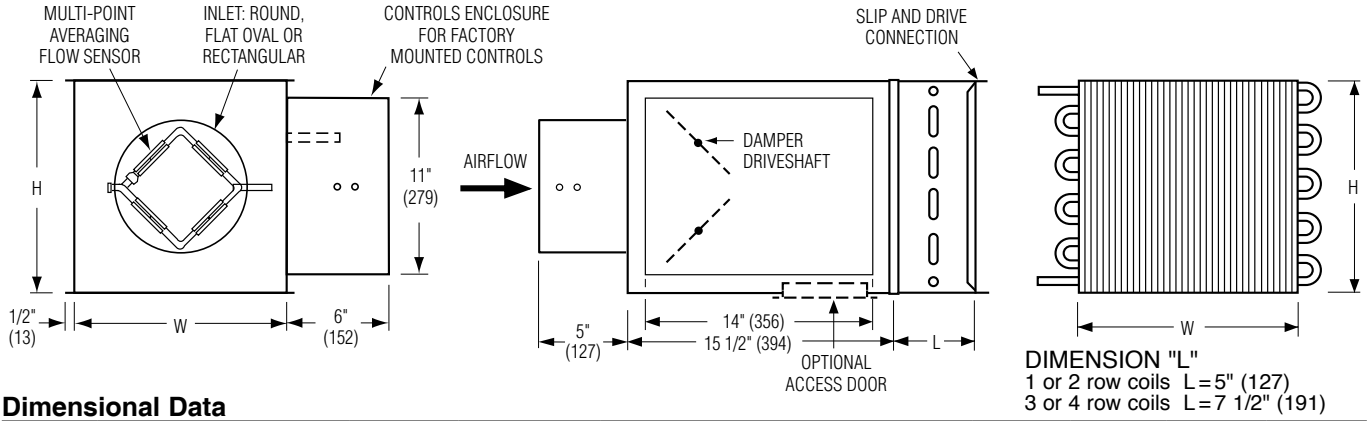
Right Hand Controls Location/Right Hand Hot Water Coil Connection

Nailor® Industries Inc.

SINGLE DUCT TERMINAL UNIT WITH HOT WATER REHEAT

DIGITAL CONTROLS • PRESSURE INDEPENDENT CONSTANT OR VARIABLE VOLUME

MODEL: D30RW



Dimensional Data

Unit Size	Airflow Range* cfm (l/s)	W	H	Inlet Size	Coil Connections			
					1 Row	2 Row	3 Row	4 Row
4	0 – 225 (0 – 106)	10 (254)	10 (254)	3 7/8 (98) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
5	0 – 400 (0 – 189)	10 (254)	10 (254)	4 7/8 (124) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
6	0 – 550 (0 – 260)	10 (254)	10 (254)	5 7/8 (149) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
7	0 – 800 (0 – 378)	12 (305)	12 1/2 (318)	6 7/8 (175) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
8	0 – 1100 (0 – 519)	12 (305)	12 1/2 (318)	7 7/8 (200) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
9	0 – 1400 (0 – 661)	14 (356)	12 1/2 (318)	8 7/8 (225) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
10	0 – 1840 (0 – 868)	14 (356)	12 1/2 (318)	9 7/8 (251) Round	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
12	0 – 2500 (0 – 1180)	18 (457)	12 1/2 (318)	12 15/16 x 9 13/16 (329 x 249) Oval	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
14	0 – 3125 (0 – 1475)	24 (610)	12 1/2 (318)	16 1/16 x 9 13/16 (408 x 249) Oval	1/2 (13)	7/8 (22)	7/8 (22)	7/8 (22)
16	0 – 3725 (0 – 1758)	28 (711)	12 1/2 (318)	19 3/16 x 9 13/16 (487 x 249) Oval	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)
24 x 16	0 – 8330 (0 – 3931)	38 (965)	18 (457)	23 7/8 x 15 7/8 (606 x 403) Rect.	7/8 (22)	7/8 (22)	1 3/8 (35)	1 3/8 (35)

***** Maximum airflow limit is based upon 1.5" w.g. (373 Pa) max. differential pressure signal from Flow Sensor.

Standard Features:

• 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction.

• 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals (single blade on size 4, 5, 6). 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa).

•1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position.

• Multi-point averaging Flow Sensor. Supplied with balancing tees.

• Rectangular discharge with slip and drive cleat duct connection.

• Full NEMA 1 type controls enclosure for factory mounted controls.

• 3/4" (19), dual density insulation, exposed edges coated to prevent air erosion. Meets the requirements of NFPA 90A and UL 181.

• Right-hand controls location is standard (shown) when looking in direction of airflow. Optional left hand controls mounting is available.

• Model D30RW can be installed horizontally, vertical or at any angle. Operation is not affected by position.

Hot Water Coil Section:

• 1/2" (13) Copper tubes and aluminum ripple fins, 10 per inch.

• 1, 2, 3 or 4 row.

• Left or right hand connection. Determined by looking in direction of airflow (RH illustrated).

• 1/2" (13), 7/8" (22) or 1 3/8" (35) O.D. male solder sweat connections.

Digital Controls:

❑ Factory mounted (supplied by others)
❑ Field mounted (supplied by others)
❑ Nailor EZvav
See separate submittal.

Options and Accessories:

❑ Steri-liner.
❑ Fiber-free liner.
❑ Steri-liner + Perforated metal liner.
❑ Perforated metal liner.
❑ Solid metal liner.
❑ 1" (25) liner.
❑ FMI Removable insert type Flow Sensor.
❑ 20 ga. (1.00) construction.
❑ Bottom access door.
❑ 24 VAC Control transformer.
❑ Toggle disconnect switch.
❑ Hanger brackets.
❑ Controls enclosure for field mounted controls.
❑ Dust tight enclosure seal.
❑ Ultra low leakage casing.

Seismic Certification:

❑ Seismic Source International (Standard)
❑ HCAI (formerly OSHPD, California)
❑ Special Features: _____ .

SCHEDULE TYPE:				
PROJECT:	River Valley MS			
ENGINEER:		**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:		**11 - 2 - 22**	**3000**	**3 - 13 - 18**	**D30RW-1**

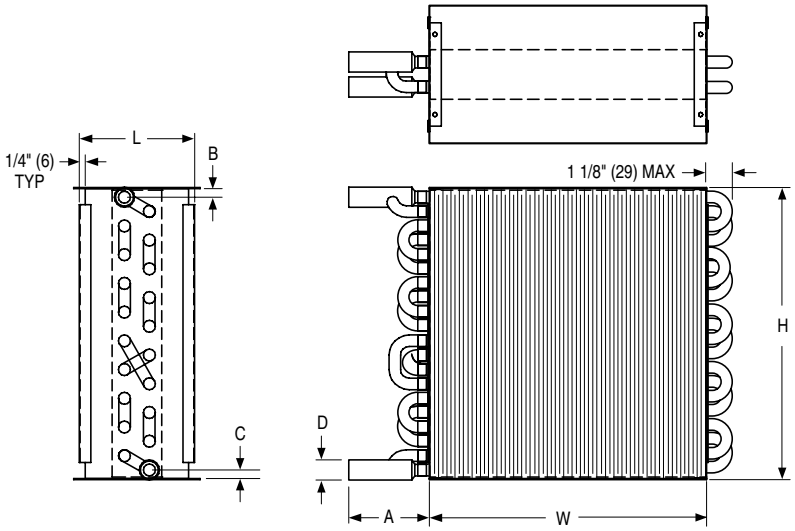
Dimensions are in inches (mm).

Nailor® Industries Inc.

SINGLE DUCT TERMINAL UNIT
HOT WATER REHEAT COILS
FOR USE WITH MODELS: (D, A or P) 30RW
MODEL SERIES: 30HWC

Description:

- 0.0045" (0.11) Aluminum sine-wave corrugation and rippled fins, 10 fins per inch.
- 1/2" (13) O.D. copper tubes, 0.016" (0.41) wall thickness.
- 20 ga. (1.00) galvanized steel casing.
- 1/2" (13), 7/8" (22) or 1 3/8" (35) O.D. copper male solder sweat connections.
- Connection is slip and drive to ductwork, both sides.
- Leakage tested to 360 psi (2481 kPa).
- AHRI Certified.



Dimensional Data

Unit Size	W	H	1 Row						2 Row					
			Part No.	L	A	B	C	D	Part No.	L	A	B	C	D
4, 5, 6	10 (254)	10 (254)	V30HWC106	5 (127)	3 (76)	13/32 (10)	1 1/32 (26)	1/2 (13)	V30HWC206	5 (127)	4 (102)	13/32 (10)	13/32 (10)	7/8 (22)
7, 8	12 (305)	12 1/2 (318)	V30HWC108	5 (127)	3 (76)	13/32 (10)	1 1/32 (26)	1/2 (13)	V30HWC208	5 (127)	3 1/2 (89)	3/8 (10)	3/8 (10)	7/8 (22)
9, 10	14 (356)	12 1/2 (318)	V30HWC110	5 (127)	3 (76)	13/32 (10)	1 1/32 (26)	1/2 (13)	V30HWC210	5 (127)	3 1/2 (89)	3/8 (10)	3/8 (10)	7/8 (22)
12	18 (457)	12 1/2 (318)	V30HWC112	5 (127)	3 (76)	13/32 (10)	1 1/32 (26)	1/2 (13)	V30HWC212	5 (127)	3 1/2 (89)	13/32 (10)	13/32 (10)	7/8 (22)
14	24 (610)	12 1/2 (318)	V30HWC114	5 (127)	3 (76)	3/8 (10)	1 (25)	1/2 (13)	V30HWC214	5 (127)	3 1/2 (89)	3/8 (10)	3/8 (10)	7/8 (22)
16	28 (711)	12 1/2 (318)	V30HWC116	5 (127)	4 3/4 (121)	3/8 (10)	1 (25)	7/8 (22)	V30HWC216	5 (127)	4 3/4 (121)	11/16 (17)	11/16 (17)	7/8 (22)
24 x 16	38 (965)	18 (457)	V30HWC124	5 (127)	4 3/4 (121)	9/16 (14)	1 3/16 (30)	7/8 (22)	V30HWC224	5 (127)	4 3/4 (121)	7/8 (22)	7/8 (22)	7/8 (22)

Unit Size	W	H	3 Row						4 Row					
			Part No.	L	A	B	C	D	Part No.	L	A	B	C	D
4, 5, 6	10 (254)	10 (254)	V30HWC306	7 1/2 (191)	4 1/4 (108)	23/32 (18)	23/32 (18)	7/8 (22)	V30HWC406	7 1/2 (191)	4 1/4 (108)	11/16 (17)	11/16 (17)	7/8 (22)
7, 8	12 (305)	12 1/2 (318)	V30HWC308	7 1/2 (191)	4 1/4 (108)	23/32 (18)	23/32 (18)	7/8 (22)	V30HWC408	7 1/2 (191)	4 1/4 (108)	11/16 (17)	11/16 (17)	7/8 (22)
9, 10	14 (356)	12 1/2 (318)	V30HWC310	7 1/2 (191)	4 1/4 (108)	11/16 (17)	11/16 (17)	7/8 (22)	V30HWC410	7 1/2 (191)	4 1/4 (108)	11/16 (17)	11/16 (17)	7/8 (22)
12	18 (457)	12 1/2 (318)	V30HWC312	7 1/2 (191)	4 1/4 (108)	23/32 (18)	23/32 (18)	7/8 (22)	V30HWC412	7 1/2 (191)	4 1/4 (108)	23/32 (18)	23/32 (18)	7/8 (22)
14	24 (610)	12 1/2 (318)	V30HWC314	7 1/2 (191)	4 1/4 (108)	11/16 (17)	11/16 (17)	7/8 (22)	V30HWC414	7 1/2 (191)	4 1/4 (108)	23/32 (18)	23/32 (18)	7/8 (22)
16	28 (711)	12 1/2 (318)	V30HWC316	7 1/2 (191)	4 1/4 (108)	11/16 (17)	11/16 (17)	7/8 (22)	V30HWC416	7 1/2 (191)	4 1/4 (108)	23/32 (18)	23/32 (18)	7/8 (22)
24 x 16	38 (965)	18 (457)	V30HWC324	7 1/2 (191)	4 3/4 (121)	1 1/8 (29)	1 1/8 (29)	1 3/8 (35)	V30HWC424	7 1/2 (191)	4 3/4 (121)	1 1/8 (29)	1 1/8 (29)	1 3/8 (35)

Weights:

Unit Size	1 Row			2 Row			3 Row			4 Row		
	Dry Coil Weight (lbs)	Water Weight (lbs)	Water Volume (gal)	Dry Coil Weight (lbs)	Water Weight (lbs)	Water Volume (gal)	Dry Coil Weight (lbs)	Water Weight (lbs)	Water Volume (gal)	Dry Coil Weight (lbs)	Water Weight (lbs)	Water Volume (gal)
4, 5, 6	5	0.16	0.02	7	0.43	0.06	10	0.65	0.09	12	0.81	0.11
7, 8	7	0.21	0.03	9	0.53	0.07	11	0.80	0.11	14	1.01	0.14
9, 10	7	0.23	0.03	10	0.58	0.08	12	0.87	0.12	15	1.11	0.15
12	8	0.28	0.04	11	0.67	0.09	13	1.01	0.14	17	1.30	0.17
14	10	0.35	0.05	13	0.82	0.11	16	1.23	0.17	20	1.58	0.21
16	12	0.65	0.09	16	1.32	0.18	19	1.67	0.23	23	1.77	0.24
24 x 16	19	0.96	0.13	28	2.49	0.34	43	4.53	0.61	51	5.19	0.70

SCHEDULE TYPE:				
PROJECT: River Valley MS				
ENGINEER:	**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:	**9 - 6 - 19**	**3000**	**11 - 3 - 17**	**D30HWC-1**

Dimensions are in inches (mm).