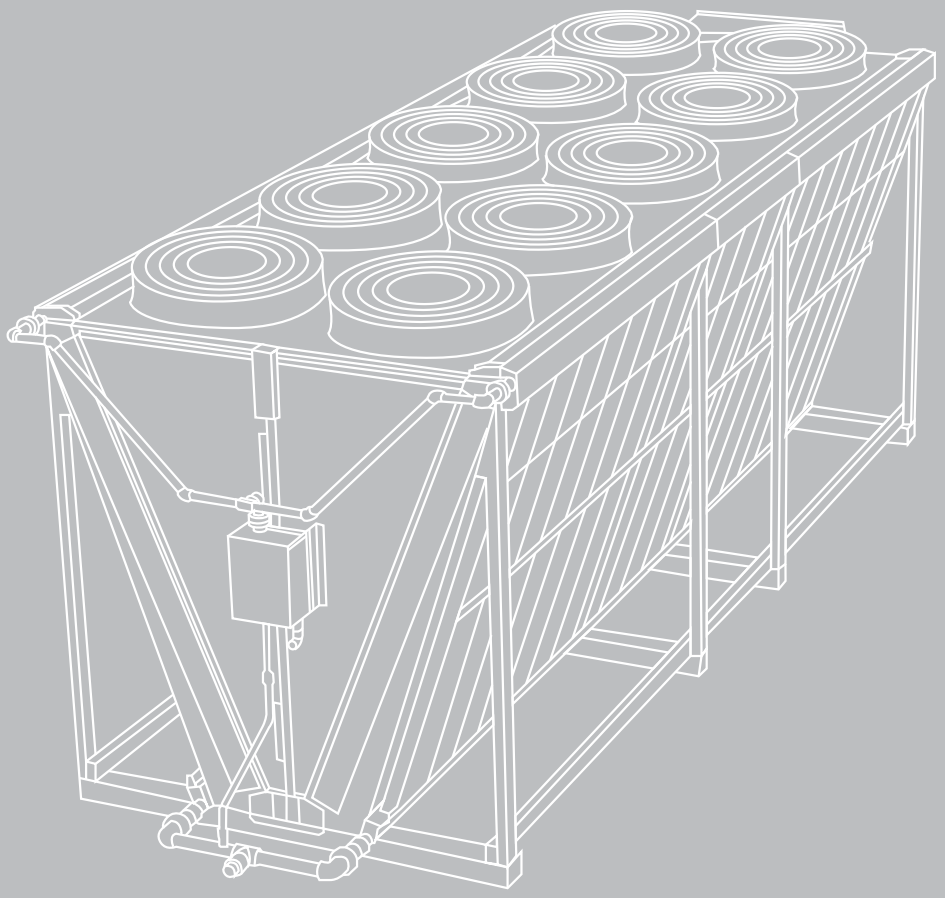
Adiabatic and Dry V-Shape Coolers and Condensers



GÜNTNER

Unit Layout Manual

Adiabatic and Dry V-Shape Coolers and Condensers

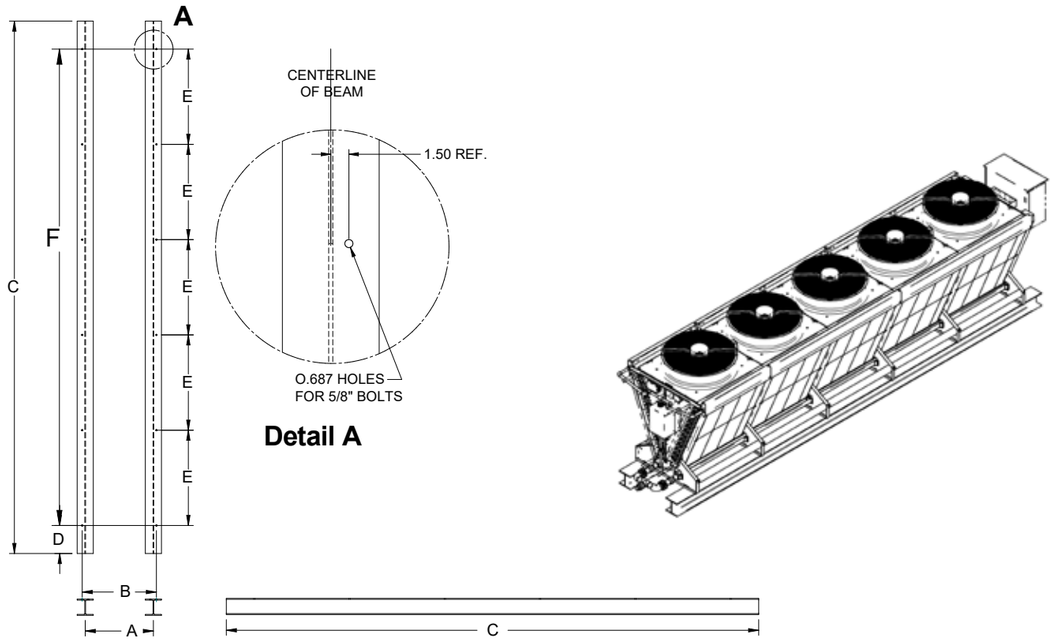
Structural Steel Support & Layout for Adiabatic and Dry V-Shape Coolers and Condensers

Güntner adiabatic and dry V-shape coolers and condensers are designed to provide optimum efficiency and an extended life when properly installed, operated and maintained. It is therefore highly recommended that support of the unit and clearance requirements are incorporated into the layout and installation design of the project. This manual will assist in developing such a design. This equipment is relatively complicated and the installation, site configuration design, operation, maintenance and servicing should only be carried out by suitable individuals who are qualified to carry out these functions. These individuals shall also be familiar with and comply with all applicable governmental standards and regulations pertaining to these functions.

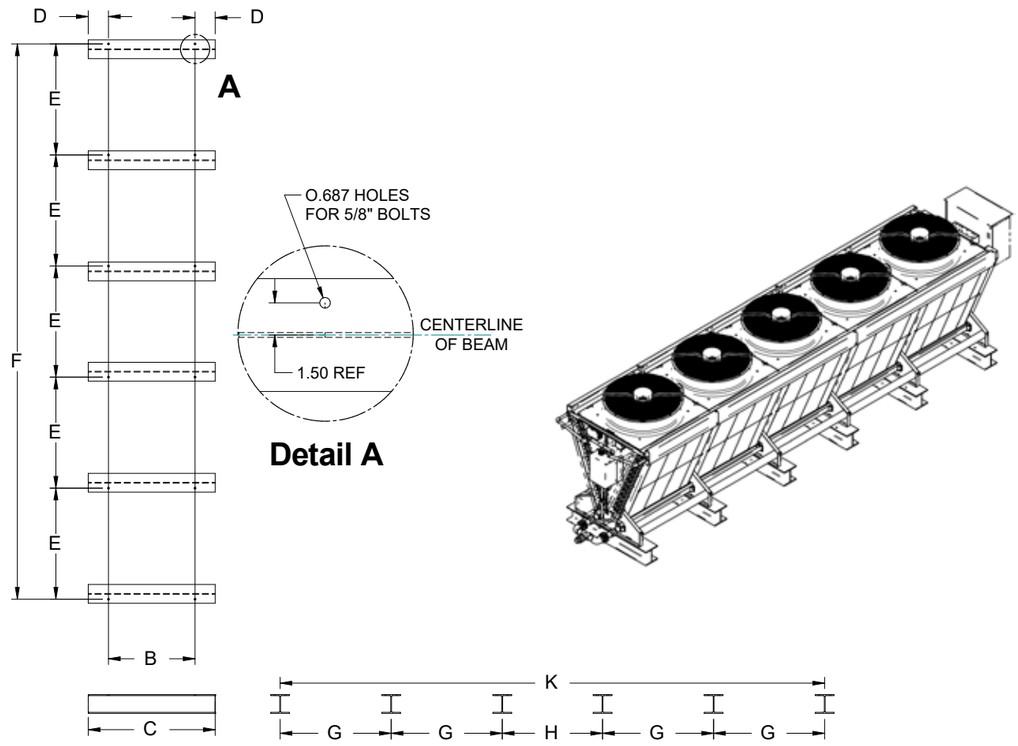
Proper unit clearances are required for sufficient airflow and hence proper thermal performance. Failure to follow Güntner recommendations may result in reduced thermal performance. Unit clearances are dependent on site configuration and Structural Steel Support Elevation Above Grade that allows the unit to be raised such that it can draw in fresh air from underneath. Please refer to applicable layout arrangement and tables in the pages that follow for project specific information.

Unit clearances provided herein reflect the minimum amount required for proper airflow. Specific project layout and associated clearance shall also take into consideration maintenance clearance requirements and all applicable governmental standards and regulations. In cases when the minimum distances cannot be ensured or your layout case does appear, please contact Güntner additional support.

- **Structural Steel Support G_W**

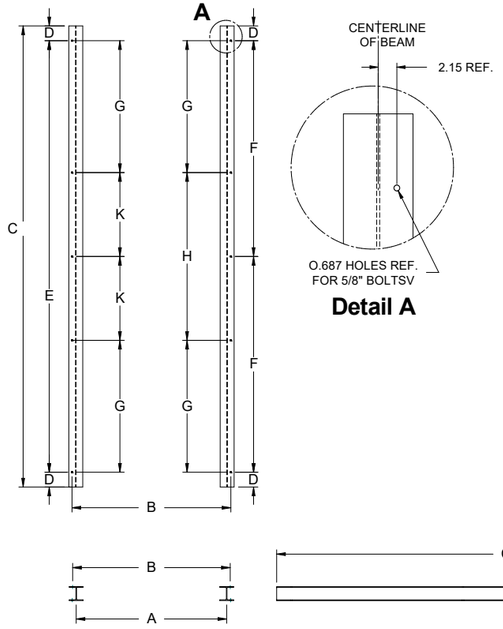


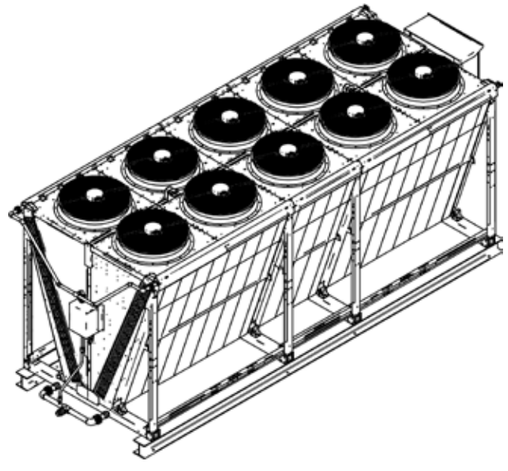
Unit Size	"A"	"B"	"C"	"D"	"E"	"F"
GVW 090.1A01	33.81"	36.81"	57.24"MIN	6.0"MIN	47.24"	47.24"
GVW 090.1A02	33.81"	36.81"	106.49" MIN	6.0"MIN	47.24"	94.49"
GVW 090.1A03	33.81"	36.81"	153.73"MIN	6.0"MIN	47.24"	141.73"
GVW 090.1A04	33.81"	36.81"	200.98"MIN	6.0"MIN	47.24"	188.98"
GVW 090.1A05	33.81"	36.81"	248.22"MIN	6.0"MIN	47.24"	236.22"
GVW 090.1A06	33.81"	36.81"	295.46"MIN	6.0"MIN	47.24"	283.46"
GVW 090.1A07	33.81"	36.81"	342.71"MIN	6.0"MIN	47.24"	330.71"
GVW 090.1A08	33.81"	36.81"	389.95"MIN	6.0"MIN	47.24"	377.95"



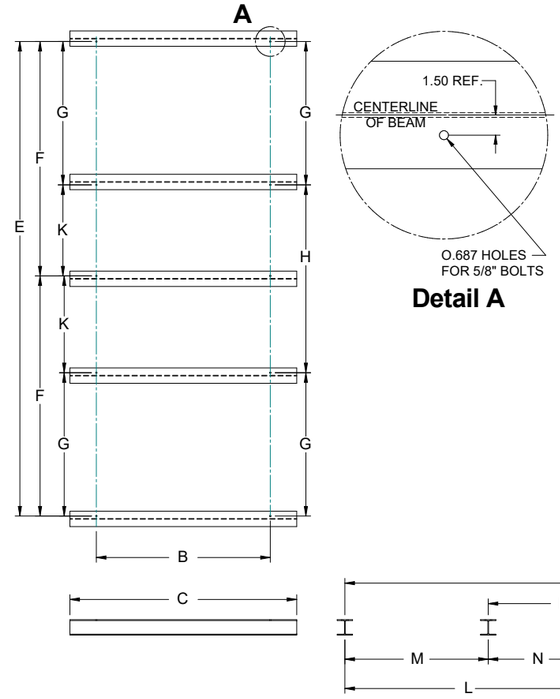
Unit Size	Beams	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"K"
GVW 090.1A01	2	36.81"	57.24"MIN	6.0"MIN	47.24"	47.24"	N/A	1 x 42.68"	42.69"
GVW 090.1A02	3	36.81"	106.49" MIN	6.0"MIN	47.24"	94.49"	1 x 47.24"	1 x 42.68"	89.93"
GVW 090.1A03	4	36.81"	153.73"MIN	6.0"MIN	47.24"	141.73"	2 x 47.24"	1 x 42.68"	137.18"
GVW 090.1A04	5	36.81"	200.98"MIN	6.0"MIN	47.24"	188.98"	3 x 47.24"	1 x 42.68"	184.42"
GVW 090.1A05	6	36.81"	248.22"MIN	6.0"MIN	47.24"	236.22"	4 x 47.24"	1 x 42.68"	231.66"
GVW 090.1A06	7	36.81"	295.46"MIN	6.0"MIN	47.24"	283.46"	5 x 47.24"	1 x 42.68"	278.91"
GVW 090.1A07	8	36.81"	342.71"MIN	6.0"MIN	47.24"	330.71"	6 x 47.24"	1 x 42.68"	326.15"
GVW 090.1A08	9	36.81"	389.95"MIN	6.0"MIN	47.24"	377.95"	7 x 47.24"	1 x 42.68"	373.40"

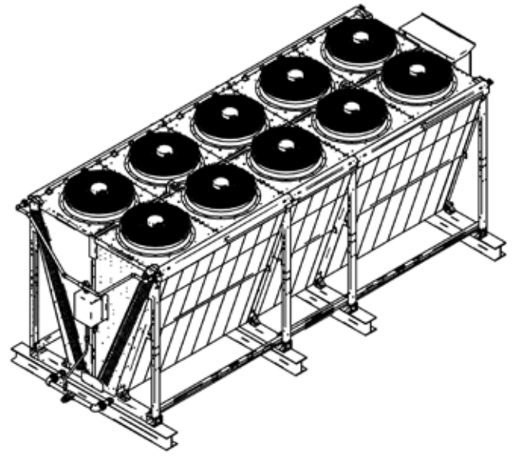
- **Structural Steel Support for G_D**





Unit Size	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"K"
GVD 090.1A2x2	86.26"	90.56"	109.61"MIN	6.0"MIN	97.64"	N/A	N/A	N/A	N/A
GVD 090.1A2x3	86.26"	90.56"	159.44"MIN	6.0"MIN	147.44"	N/A	N/A	N/A	N/A
GVD 090.1A2x4	86.26"	90.56"	209.24"MIN	6.0"MIN	197.24"	98.62"	N/A	N/A	N/A
GVD 090.1A2x5	86.26"	90.56"	259.04"MIN	6.0"MIN	247.04"	N/A	98.62"	49.80"	N/A
GVD 090.1A2x6	86.26"	90.56"	308.85"MIN	6.0"MIN	296.85"	N/A	98.62"	99.61"	N/A
GVD 090.1A2x7	86.26"	90.56"	358.65"MIN	6.0"MIN	346.65"	N/A	98.62"	149.41"	N/A
GVD 090.1A2x8	86.26"	90.56"	408.16"MIN	6.0"MIN	396.46"	N/A	98.62"	N/A	99.61"
GVD 090.1A2x9	86.26"	90.56"	458.27"MIN	6.0"MIN	446.27"	N/A	148.43"	149.41"	N/A





Unit Size	Beams	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"K"	"L"	"L-1"	"M"	"N"	"N-1"	"P"	"R"
GVD 090.1A2x2	2	90.56"	102.56"MIN	6.0"MIN	97.64"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100.64"
GVD 090.1A2x3	2	90.56"	102.56"MIN	6.0"MIN	147.44"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	150.44"
GVD 090.1A2x4	3	90.56"	102.56"MIN	6.0"MIN	197.24"	98.62"	N/A	N/A	N/A	98.62"	101.62"	N/A	N/A	N/A	N/A	200.24"
GVD 090.1A2x5	4	90.56"	102.56"MIN	6.0"MIN	247.04"	N/A	98.62"	49.80"	N/A	N/A	N/A	98.62"	N/A	N/A	52.80"	250.04"
GVD 090.1A2x6	4	90.56"	102.56"MIN	6.0"MIN	296.85"	N/A	98.62"	99.61"	N/A	N/A	N/A	98.62"	N/A	N/A	102.61"	299.85"
GVD 090.1A2x7	4	90.56"	102.56"MIN	6.0"MIN	346.65"	N/A	98.62"	149.41"	N/A	N/A	N/A	98.62"	N/A	N/A	152.41"	349.65"
GVD 090.1A2x8	5	90.56"	102.56"MIN	6.0"MIN	396.46"	N/A	98.62"	N/A	99.61"	N/A	N/A	98.62"	99.61"	102.61"	N/A	399.46"
GVD 090.1A2x9	4	90.56"	102.56"MIN	6.0"MIN	446.27"	N/A	148.43"	149.41"	N/A	N/A	N/A	148.43"	N/A	N/A	152.41"	449.27"

Structural Steel Support Notes:

- A) Structural support beams, cross bracing to prevent lateral load deflection, and anchor hardware are to be furnished by others. Selection and design of the beams including material and beam dimensions are expressly the responsibility of the customer and/or the structural Engineer.

- B) Güntner recommends all units to be installed on parallel structural beams traversing the full width of each unit while providing industry acceptable support for the operating weight of the unit selected. Units must be level when installed. Please note: additional support structure, such as cross bracing between parallel structural beams, must be considered and may be required to eliminate longitudinal loads and associated deflection, maximum deflection of beam under the unit to be 1/360 of unit width, not to exceed 1/4“ (6.5mm). Maximum longitudinal deflection to be 1/360 of longitudinal dimension.

- C) The structural support beams must be level at the top and meet industry acceptable tolerance related to the overall length of the unit installed. Do not level any unit with shims.

- D) Deflection may be calculated by using 55% of the operating weight as a uniform load on each beam. See technical details for operating weight installed.

- E) Mounting holes (11/16“ diameter) are provided in the unit base.

- F) Units should be positioned on steel such that the anchoring hardware fully penetrates the beams‘ flange and clears the beam‘s‘ web.

- G) The basic steel support configuration is shown coupled with a dimensions chart for all unit sizes. NOTE: If Structural Steel Support bumpers or concrete supports are desired, please contact Güntner Service Support for assistance.

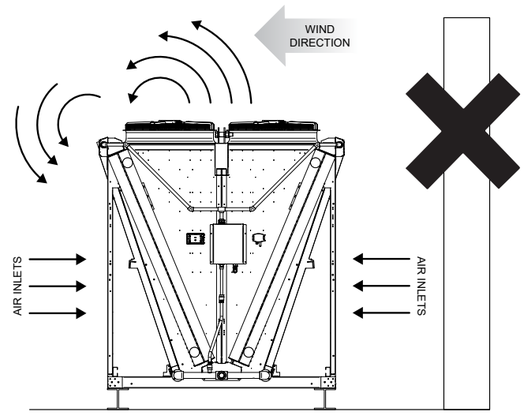
Distance and Frame Height Considerations and Disclaimers:

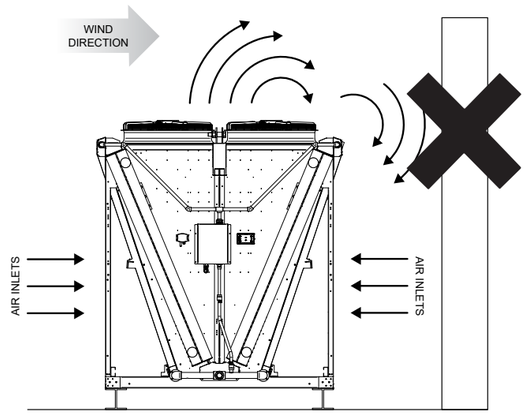
- The walls outlined in the below cases assume complete airflow restriction, with the unit fans below the top of the walls
- It is recommended to elevate units so that the fans are above the top of the walls for best performance, which will allow the airflow to only be partially restricted. If you are looking for required distances in cases of partial airflow restrictions, please contact your Güntner Sales Representative for assistance
- If several units are placed side by side the use of cover plates between the units have to be considered. (Cover Plates: plates covering the space between the units to avoid air short cut.)
- For best performance, arrange air intake sides perpendicular to prevalent wind direction
- Nearby foliage can accelerate airside fouling, so it is recommended to avoid plant life as much as possible
- If the unit cannot be placed within the clearances and guidelines in the tables, the performance may be reduced
- If the desired layout case is not depicted or there is a deviation, contact your Güntner Sales Representative for assistance

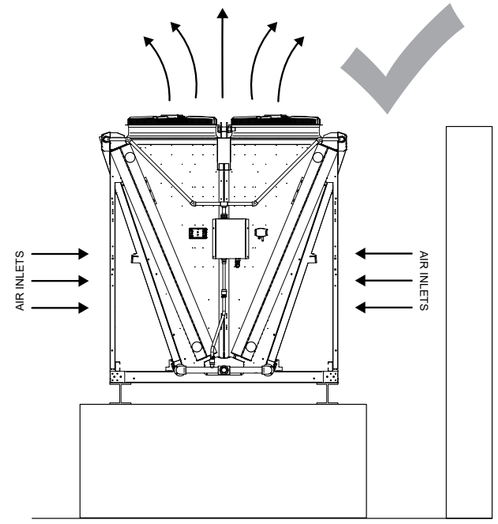
Adiabatic and Dry V-Shape Coolers and Condensers | UNIT LAYOUT MANUAL

Clearance Installation for Coolers or Condensers

Unit Elevation Above Grade consideration

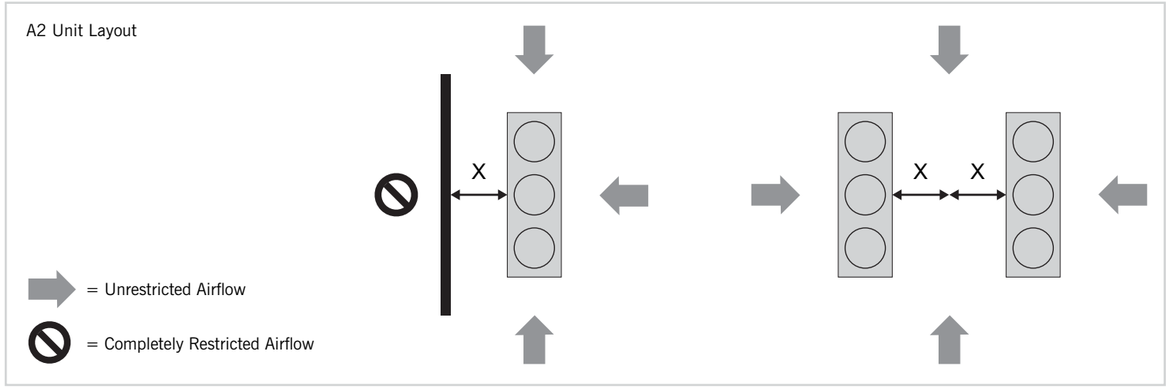






In order to ensure optimized thermal performance of the cooler or condenser, unrestricted airflow entering the heat exchanger surface area is crucial. The tables below outline the elevation required between the base of the unit supplied and grade.

A2 Unit Layout



A2 Unit Size Tables

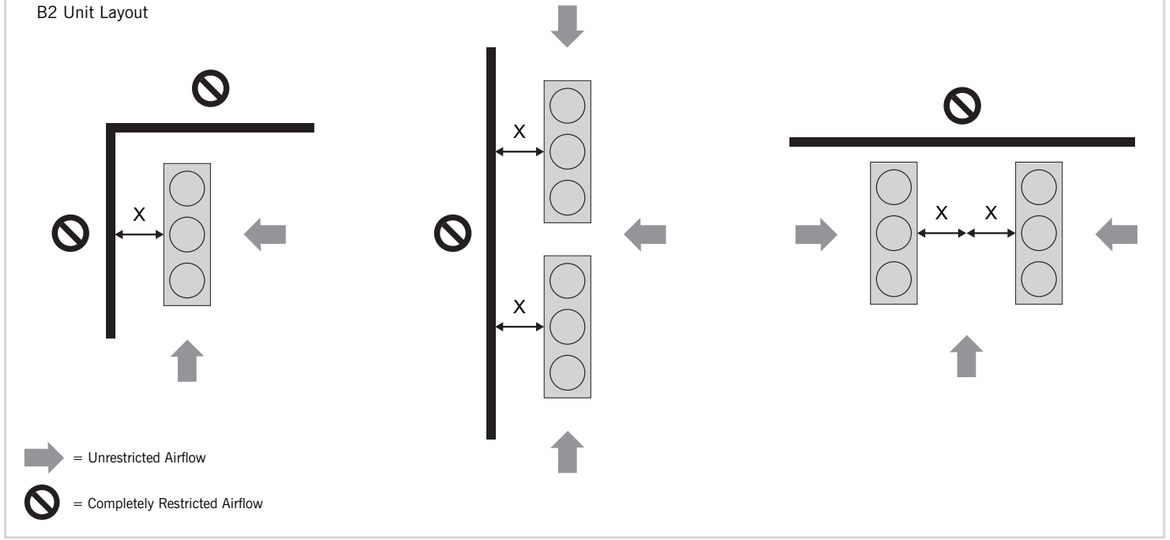
A2 UNIT SIZE - G_W

1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)
2.4	0	2.4	0	3.81	0	5.25	0	6.67	0	8.08	0	9.49	0	10.9	0
1.84	0.23	1.84	0.23	2.89	0.3	3.91	0.33	4.93	0.33	5.94	0.37	6.96	0.37	7.94	0.37
1.35	0.5	1.35	0.5	2.07	0.56	2.79	0.63	3.52	0.69	4.2	0.73	4.89	0.73	5.55	0.76
0.89	0.73	0.89	0.73	1.42	0.86	1.88	0.96	2.3	1.02	2.73	1.05	3.15	1.12	3.58	1.12
0.53	0.96	0.53	0.96	0.79	1.15	1.05	1.28	1.28	1.35	1.48	1.42	1.71	1.48	1.91	1.51
0.17	1.22	0.17	1.22	0.27	1.45	0.33	1.58	0.4	1.71	0.43	1.78	0.46	1.84	0.46	1.88

A2 UNIT SIZE - G_D C+D

2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)
1.58	0	2.73	0	3.91	0	5.09	0	6.27	0	7.42	0	8.6	0	9.78	0
1.22	0.33	2.14	0.4	3.06	0.46	3.97	0.53	4.86	0.56	5.75	0.6	6.63	0.63	7.49	0.63
0.89	0.66	1.61	0.83	2.3	0.92	2.99	1.02	3.61	1.12	4.27	1.15	4.89	1.22	5.52	1.28
0.56	0.96	1.12	1.22	1.61	1.38	2.07	1.55	2.53	1.65	2.96	1.74	3.38	1.84	3.78	1.91
0.27	1.28	0.66	1.61	0.99	1.84	1.28	2.04	1.55	2.2	1.81	2.33	2.01	2.43	2.24	2.53
0	1.61	0.23	2.01	0.43	2.3	0.56	2.56	0.66	2.76	0.76	2.92	0.83	3.06	0.89	3.19

B2 Unit Layout



B2 Unit Size Tables

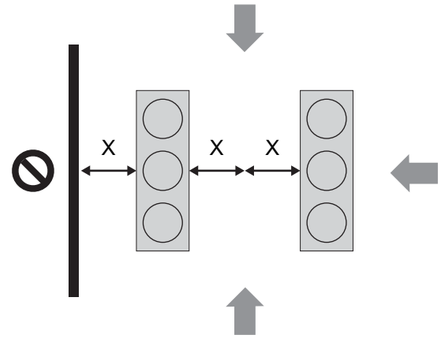
B2 UNIT SIZE - G_W

1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)
5.25	0	5.25	0	8.08	0	10.9	0	13.75	0	16.57	0	19.43	0	22.25	0
3.91	0.33	3.91	0.33	5.94	0.37	7.94	0.37	9.98	0.4	11.98	0.4	13.95	0.43	15.95	0.43
2.79	0.63	2.79	0.63	4.2	0.73	5.55	0.76	6.93	0.79	8.27	0.83	9.59	0.83	10.93	0.86
1.88	0.96	1.88	0.96	2.73	1.05	3.58	1.12	4.4	1.19	5.22	1.22	6.04	1.25	6.83	1.25
1.05	1.28	1.05	1.28	1.48	1.42	1.91	1.51	2.3	1.58	2.7	1.61	3.06	1.65	3.45	1.68
0.33	1.58	0.33	1.58	0.43	1.78	0.46	1.88	0.5	1.97	0.53	2.01	0.56	2.07	0.56	2.1

B2 UNIT SIZE - G_D C+D

2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)
3.91	0	6.27	0	8.6	0	10.93	0	13.29	0	15.62	0	17.98	0	20.31	0
3.06	0.46	4.86	0.56	6.63	0.63	8.37	0.66	10.08	0.69	11.82	0.73	13.52	0.73	15.23	0.76
2.3	0.92	3.61	1.12	4.89	1.22	6.14	1.32	7.35	1.38	8.54	1.45	9.75	1.48	10.9	1.51
1.61	1.38	2.53	1.65	3.38	1.84	4.17	1.97	4.96	2.07	5.71	2.14	6.47	2.2	7.19	2.27
0.99	1.84	1.55	2.2	2.01	2.43	2.47	2.63	2.86	2.76	3.25	2.86	3.65	2.96	4.01	3.02
0.43	2.3	0.66	2.76	0.83	3.06	0.92	3.29	1.02	3.45	1.09	3.58	1.15	3.68	1.19	3.78

C2 Unit Layout



= Unrestricted Airflow

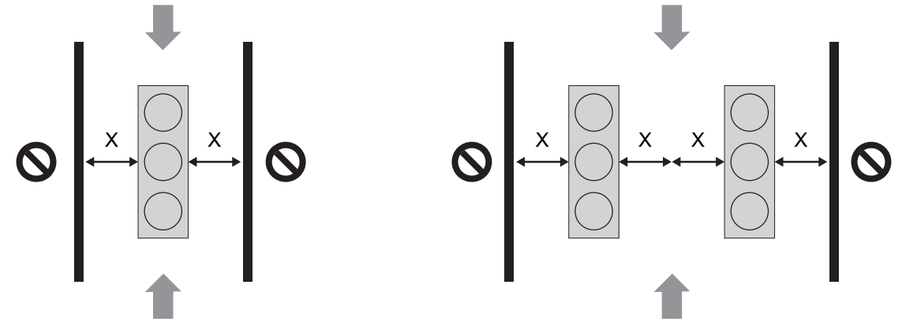
= Completely Restricted Airflow

C2 Unit Size Tables

C2 UNIT SIZE - G_W															
1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)
2.4	0	2.4	0	3.81	0	5.25	0	6.67	0	8.08	0	9.49	0	10.9	0
1.74	0.46	1.74	0.46	2.66	0.6	3.55	0.69	4.4	0.76	5.25	0.83	6.11	0.89	6.93	0.92
1.19	0.89	1.19	0.89	1.81	1.19	2.33	1.38	2.89	1.55	3.38	1.68	3.88	1.78	4.37	1.84
0.76	1.35	0.76	1.35	1.12	1.74	1.45	2.07	1.78	2.3	2.07	2.5	2.33	2.66	2.6	2.79
0.43	1.78	0.43	1.78	0.63	2.33	0.79	2.76	0.92	3.06	1.05	3.32	1.19	3.55	1.32	3.71
0.17	2.24	0.17	2.24	0.27	2.92	0.33	3.45	0.4	3.84	0.43	4.17	0.46	4.4	0.46	4.63

C2 UNIT SIZE - G_D C+D															
2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)
1.58	0	2.73	0	3.91	0	5.09	0	6.27	0	7.42	0	8.6	0	9.78	0
1.19	0.5	2.07	0.69	2.92	0.89	3.75	1.02	4.53	1.15	5.32	1.25	6.11	1.35	6.86	1.45
0.86	0.99	1.48	1.42	2.1	1.74	2.66	2.04	3.19	2.3	3.71	2.5	4.2	2.7	4.7	2.86
0.53	1.48	0.99	2.1	1.38	2.63	1.74	3.06	2.1	3.45	2.43	3.75	2.73	4.04	3.02	4.3
0.27	1.97	0.56	2.79	0.79	3.48	1.02	4.07	1.19	4.57	1.38	4.99	1.51	5.39	1.68	5.71
0	2.47	0.23	3.52	0.43	4.37	0.56	5.09	0.66	5.71	0.76	6.24	0.83	6.73	0.89	7.16

D2 Unit Layout



= Unrestricted Airflow

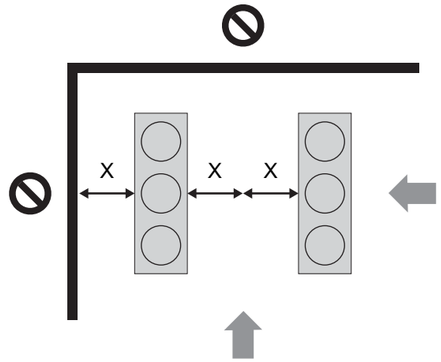
= Completely Restricted Airflow

D2 Unit Size Tables

D2 UNIT SIZE - G_W															
1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)
2.4	0	2.4	0	3.81	0	5.25	0	6.67	0	8.08	0	9.49	0	10.9	0
1.61	0.76	1.61	0.76	2.3	1.15	2.92	1.58	3.42	2.01	3.84	2.4	4.24	2.83	4.57	3.22
1.05	1.51	1.05	1.51	1.45	2.33	1.71	3.15	1.94	3.97	2.14	4.8	2.27	5.62	2.4	6.44
0.63	2.24	0.63	2.24	0.86	3.48	1.02	4.73	1.12	5.98	1.19	7.19	1.28	8.44	1.32	9.65
0.33	2.99	0.33	2.99	0.46	4.66	0.53	6.3	0.6	7.94	0.63	9.59	0.66	11.23	0.66	12.9
0.17	3.75	0.17	3.75	0.27	5.81	0.33	7.88	0.4	9.95	0.43	12.01	0.46	14.05	0.46	16.11

D2 UNIT SIZE - G_D C+D															
2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)	X (ft)	Elevation (ft)
1.58	0	2.73	0	3.91	0	5.09	0	6.27	0	7.42	0	8.6	0	9.78	0
1.15	0.66	1.97	1.09	2.73	1.51	3.42	1.91	4.04	2.33	4.63	2.73	5.16	3.15	5.68	3.58
0.83	1.32	1.38	2.17	1.84	2.99	2.27	3.81	2.63	4.66	2.92	5.48	3.22	6.3	3.48	7.16
0.53	2.01	0.89	3.25	1.19	4.5	1.42	5.75	1.61	6.99	1.81	8.21	1.94	9.49	2.07	10.7
0.23	2.66	0.46	4.34	0.66	5.98	0.79	7.65	0.89	9.32	0.99	10.96	1.05	12.64	1.15	14.28
0	3.32	0.23	5.42	0.43	7.49	0.56	9.55	0.66	11.65	0.76	13.69	0.83	15.79	0.89	17.85

E2 Unit Layout



= Unrestricted Airflow

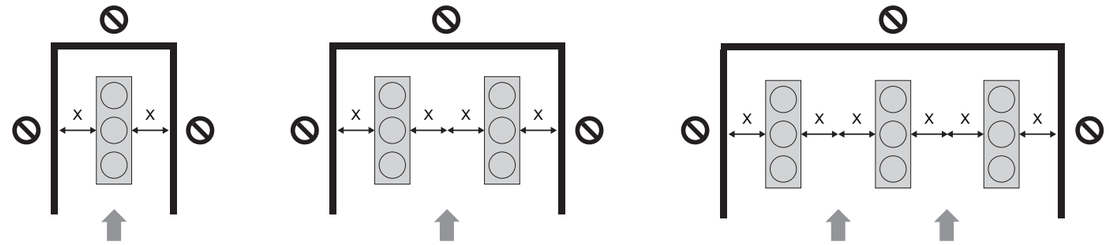
= Completely Restricted Airflow

E2 Unit Size Tables

E2 UNIT SIZE - G_W													
1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)
5.25	0	5.25	0	8.08	0	10.9	0	13.75	0	16.57	0	19.43	0	22.25	0
3.55	0.69	3.55	0.69	5.25	0.83	6.93	0.92	8.57	0.99	10.21	1.05	11.82	1.09	13.42	1.12
2.33	1.38	2.33	1.38	3.38	1.68	4.37	1.84	5.35	2.01	6.3	2.1	7.26	2.17	8.17	2.24
1.45	2.07	1.45	2.07	2.07	2.5	2.6	2.79	3.15	2.99	3.68	3.15	4.2	3.25	4.7	3.35
0.79	2.76	0.79	2.76	1.05	3.32	1.32	3.71	1.55	3.97	1.78	4.2	2.01	4.37	2.24	4.47
0.33	3.45	0.33	3.45	0.43	4.17	0.46	4.63	0.5	4.99	0.53	5.22	0.56	5.45	0.56	5.62

E2 UNIT SIZE - G_D C+D													
2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)
3.91	0	6.27	0	8.6	0	10.93	0	13.29	0	15.62	0	17.98	0	20.31	0
2.92	0.89	4.53	1.15	6.11	1.35	7.62	1.51	9.13	1.65	10.6	1.74	12.08	1.84	13.52	1.91
2.1	1.74	3.19	2.3	4.2	2.7	5.19	3.02	6.11	3.29	7.03	3.48	7.94	3.65	8.83	3.81
1.38	2.63	2.1	3.45	2.73	4.04	3.32	4.53	3.84	4.89	4.4	5.22	4.93	5.48	5.42	5.71
0.79	3.48	1.19	4.57	1.51	5.39	1.81	6.04	2.1	6.53	2.37	6.96	2.6	7.32	2.83	7.62
0.43	4.37	0.66	5.71	0.83	6.73	0.92	7.52	1.02	8.17	1.09	8.7	1.15	9.13	1.19	9.52

E10 Unit Layout



= Unrestricted Airflow

= Completely Restricted Airflow

E10 Unit Size Tables

E10 UNIT SIZE - G_W													
1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)
2.36	0	4.72	0	7.09	0	9.45	0	11.81	0	14.17	0	16.54	0	18.9	0
2	0.36	3.97	0.49	5.97	0.56	7.94	0.59	9.94	0.62	11.91	0.66	13.91	0.66	15.88	0.66
1.61	0.82	3.22	1.15	4.82	1.31	6.43	1.41	8.04	1.48	9.65	1.54	11.25	1.57	12.86	1.61
1.21	1.41	2.46	2	3.67	2.36	4.92	2.59	6.14	2.76	7.38	2.85	8.6	2.95	9.84	3.02
0.85	2.1	1.71	3.25	2.56	3.94	3.41	4.43	4.27	4.79	5.12	5.05	5.97	5.25	6.79	5.41
0.46	3.05	0.95	5.12	1.41	6.59	1.9	7.71	2.36	8.6	2.82	9.28	3.31	9.88	3.77	10.33

E10 UNIT SIZE - G_D C+D													
2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)	X (ft)	Elev-ation (ft)
4.72	0	7.09	0	9.45	0	11.81	0	14.17	0	16.54	0	18.9	0	21.26	0
3.97	0.75	5.94	0.92	7.94	1.02	9.91	1.08	11.91	1.12	13.88	1.18	15.88	1.21	17.85	1.21
3.22	1.67	4.82	2.03	6.43	2.3	8.04	2.49	9.65	2.62	11.25	2.76	12.86	2.82	14.47	2.92
2.46	2.79	3.67	3.51	4.92	4.04	6.14	4.43	7.38	4.72	8.6	4.99	9.84	5.18	11.06	5.35
1.71	4.23	2.56	5.51	3.41	6.5	4.27	7.28	5.12	7.91	5.94	8.43	6.79	8.86	7.64	9.25
0.95	6.1	1.41	8.33	1.9	10.2	2.36	11.81	2.82	13.19	3.31	14.37	3.77	15.42	4.27	16.34

Warning: In cases when the minimum distances cannot be ensured or your case does not appear on any layout, please contact Güntner for additional support.

NOTES

Adiabatic and Dry V-Shape Coolers and Condensers | UNIT LAYOUT MANUAL

NOTES

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