



Installation Instructions

[Transportation](#) | [Assembly](#) | [Operation](#) | [Maintenance](#)



Product line:	Air Coolers
Series description:	Dual Compact Dual Discharge Air Cooler
Series:	GADC RX

guntner.com/us

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1. Warranty statement

The supplier warrants the product to be free from defects in workmanship and materials under normal usage for the period outlined below. The supplier further warrants against defects in workmanship and materials of the product for a period of 24 months from the date of purchase (the "Warranty Period"), provided that the product is correctly installed and operated within the recommended limits of the manufacturer's technical documentation.

The supplier at its option shall repair or replace, free of charge to the purchaser, all components of the product which are or become defective during the Warranty Period as a result of defects in design, workmanship or materials, ordinary wear and tear excluded, provided, however, that:

- The product is applied correctly
- All operating and installation instructions for the product are complied with
- System component and piping design is in accordance with good refrigeration practice
- Nitrogen or an inert gas is introduced into the piping during the brazing of the piping installation

This warranty shall not include ordinary maintenance or cleaning of the product, or defects in the installation of the product.

This warranty also does not cover physical damage to the product during transit, after purchase of the product but before installation.

The purchaser must request repair or replacement of the defective component through a written notice to the supplier, and must provide the purchaser with the time and opportunity to make such repair or replacement. Otherwise, the supplier will be freed from liability for the defect.

Any transport and exchange costs for the repair or replacement shall be borne by the purchaser. The supplier shall also not be liable for costs incurred in dismantling or fitting replacement parts or for any independent inspection undertaken by the purchaser. The purchaser shall return any allegedly defective goods, postage or freight paid, to the supplier at the address below. Upon receipt of the goods and inspection there of the supplier shall repair or replace, at the supplier's discretion, the defective components and shall return the same to the purchaser, return postage and freight paid. This shall constitute full compliance of the supplier's warranty obligations hereunder.

The seller accepts no liability for the direct or indirect consequences of any modifications of or repairs to the product made out by the purchaser or by a third party without the prior consent of the supplier.

This warranty applies only to the repair or replacement of components of the product and expressly excludes responsibility for damage and consequential damages not occurring to the product itself.

This warranty is the purchaser's exclusive remedy. The supplier expressly acknowledges that it shall not be liable to the purchaser or any client of the purchaser for any direct or indirect damages, injury to persons or property or any consequential damage or loss of profits arising from defective goods or workmanship or from any other cause whatsoever.

To obtain warranty service or to ask any questions regarding the foregoing, please contact our office:

Güntner US LLC
3601 Algonquin Road Suite 925
Rolling Meadows, Illinois 60008
847- 781-0900 Tel
847-781-0901 Fax

dq-us-service@guentner.com or sales.us@Guntner.com

Online support: <https://www.guntner-solutions.us/contact>

2. General safety information

WARNING

All installation and maintenance procedures must be performed by qualified personnel already familiarized with the equipment.

WARNING

All field wiring should match the requirements of the equipment, as well as any local or national codes.

WARNING

Coil edges and other sharp objects should be met with caution, as they can cause serious injury. Fan blades are especially sharp, and therefore should be handled only while wearing protective gloves.

WARNING

All power sources should be disconnected before any type of service work is performed on the equipment. For cleaning the equipment, reinstall the drain pan after every cleaning session. Failure to follow these steps can result in damaged equipment or personal injury.

WARNING

Inhalation of certain refrigerants can be harmful, or even fatal. Failure to implement proper detection devices, ventilation, and procedures can result in serious injury or death. Ventilation of all refrigerants should follow all related regulations, as certain refrigerants are harmful to the environment. For more information, refer to any local or national codes that may apply.

WARNING

High temperatures can cause damage to the equipment. The expansion valve must be covered in heat absorbent material and the suction line sensor removed while brazing the refrigerant connections.

NOTICE

Never use the refrigerant compressor to evacuate the equipment. Never start the refrigerant compressor if it is in vacuum.

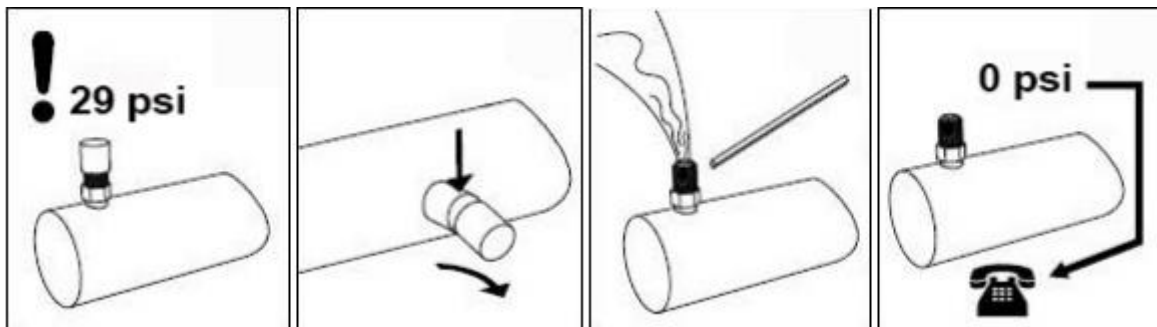
NOTICE

Fan motors are sealed and do not require lubrication.

3. Inspection

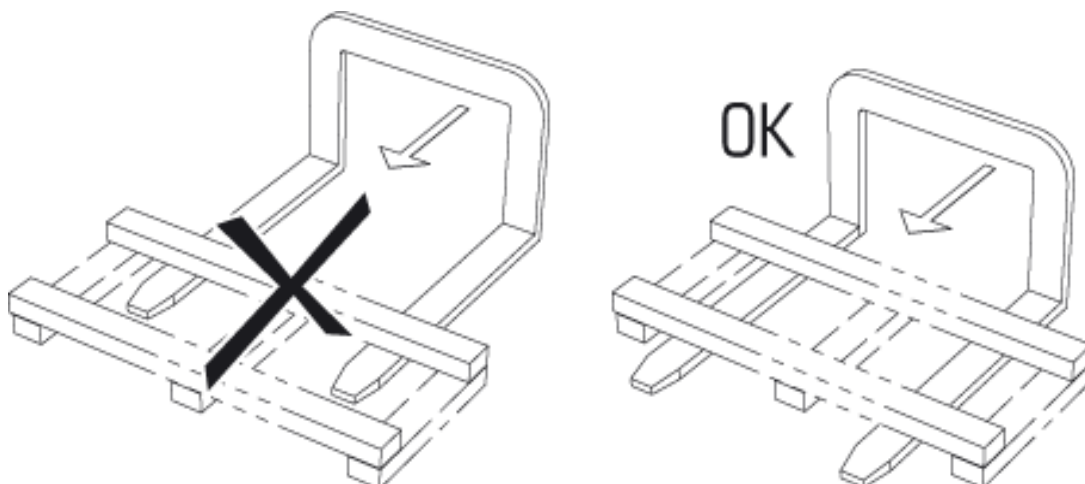
Each shipment should be carefully checked against the bill of loading at time of receipt. The shipping receipt should not be signed until all items listed on the bill of loading have been accounted for. Check carefully for any damage. Any and all shortages or damages should be reported to the delivery carrier. Damaged equipment during shipment becomes the delivery agent's responsibility and should not be returned unless prior approval has been given by Güntner. The equipment is pressurized with 29 psi (2 Bar) dry air during manufacturing. If the unit lost pressure during transportation, contact the warranties department: sales@guntnerus.com

For special requirements please contact our factory.



4. Unloading

Special care should be taken while unpacking or uncrating the equipment so that damage and injury can be prevented. Heavy equipment should be kept on the original pallet until ready for final installation. While using lifting straps, ensure to use a spreader bar and make sure the straps do not compress the metal construction. When using lifting straps, be sure to use a spreader bar and make sure that the straps do not compress the sheet metal construction. When using a forklift, make sure the unit is positioned as shown in the following image.



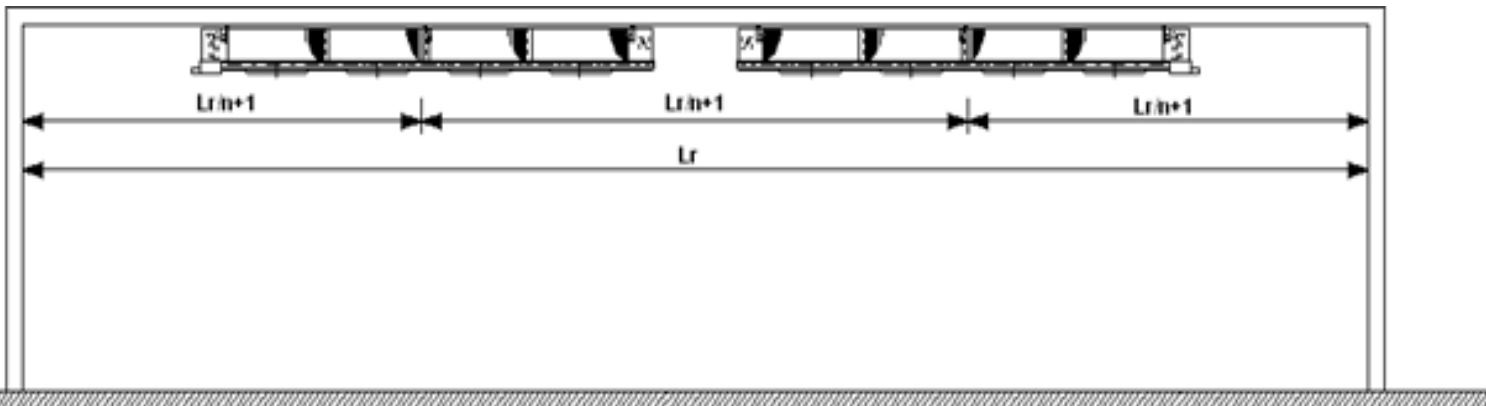
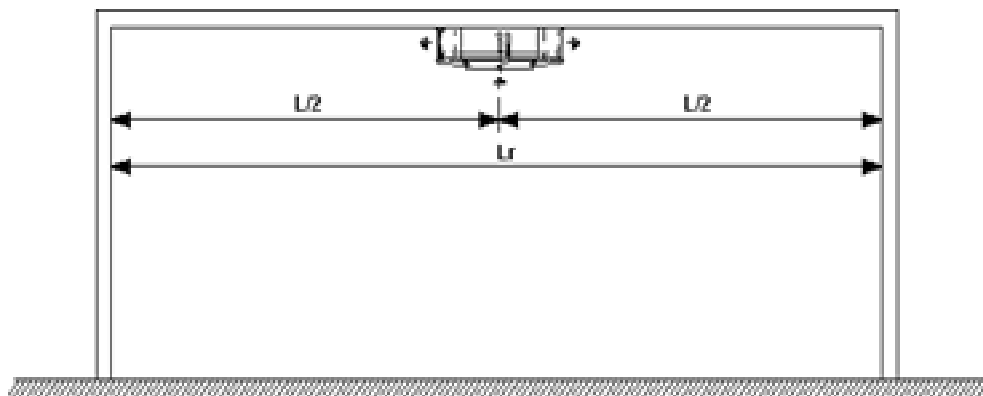
5. Mounting

The equipment can be mounted using od hangers, lag screws and/or bolts made of stainless steel to prevent galvanic corrosion. Units should be hung with no degree of inclination so that the condensate drainage works properly. Proper airflow through the unit is essential for efficient performance and maintenance of design storage temperatures. Never install an evaporator over a doorway. The drain pan should be fitted to the unit only after the installation of the equipment.

NOTICE

See Appendix A for Unit Dimensions

Mounting Reference GADC



n = number of units to install

L_r = length of room

L = Total length of the unit.

NOTES

- Do not place the cooler directly over or next to a door.
- Do not place product directly in front of the cooler.
- The air cooler should have a free air discharge for air throw.
- Do not place coolers in front of each other at a distance less than their air throw indicated in the technical specification sheet.
- In the case of electric defrost units; make sure to leave a free space of at least the length of the unit on the electric connection side to remove the heaters in case of failure.
- The minimum distance between units must be 1 meter for hot gas and air defrost units.

- If you have reduced space or special room construction, please contact your local sales office to receive the correct advice on unit mounting.
- This air cooler should have free air discharge and be located below flat ceilings to achieve rated air throw.

6. Refrigerant piping

Type, sizing and installation of all piping must be in accordance with the recommended and accepted practices for refrigeration applications. All low temperature piping should also be insulated in accordance with standards ASHRAE. Suction traps should be used when and if the suction line rises above the unit cooler. On horizontal lines, the good practice installations recommend a minimum slope according to ASHRAE. It is recommended to have a slope of at least 1/4 inches (0.63 cm) by 10 feet (304.8 cm) in length in order to return the oil to compressors.

7. Expansion valve

For direct expansion units, select an expansion valve in accordance with capacity data and as required by expansion valve manufacturer. Expansion valves with external equalizers should be used. After the temperature has reached design conditions, adjust the expansion valve to obtain 8 to 10° F superheat at the suction line.

Expansion valves are to be installed in accordance with the specific manufacturer's recommendations. Units that require an external equalized expansion valve must have that line connected.

Proper location of the bulb is extremely important to the performance of the coil. Good thermal contact to the suction line is also essential. On solder type valves, a wet cloth wrapped around the valve during installation will protect it from overheating and damage. On multiple evaporator systems, the piping should be arranged such that the flow from any valve cannot affect the bulb of another.

8. Drain line

All drain lines subject to freezing temperatures must have drain line heaters and be insulated. Drain line traps must also be heated to prevent freezing up of the drain line and trap. It is recommended that drain traps be installed outside of the conditioned space. The drain line must have a slope level and look for the nearest exit to the outside.

9. Wiring

All wiring must be done in strict accordance with local and national electrical codes. Fan motor(s), local isolators, electrical heater elements and controllers must be wired in accordance with the electrical wiring diagrams provided. Use copper conductors of appropriate size only.

WARNING

All electrical installations should only be performed by qualified and authorized personnel.

WARNING

For thermal motor protection, the installed thermal contacts must be used and wired according to the circuit diagram attached to the unit.

The unit must be connected to physical ground.

10. Installation

The installation and maintenance of this equipment should be performed only by qualified professional personnel who are familiar with this type of equipment. The equipment is pressurized with dry air. All equipment must be evacuated before charging the system with refrigerant.

All field wiring should be checked and be in strict conformity with the equipment requirements, as well as all national and local codes. Use the name plate electrical data for conductor and fuse sizing. Avoid contact with any sharp edges or sharp coil surfaces. These can be a potential injury hazard. Make sure that all power sources are disconnected before any service work is done on equipment.

WARNING

Before starting up unit make sure all accessible electrical parts are secured!

11. Vacuum

Proper vacuum is essential prior to charging the refrigerant for the system. This avoids many problems that can arise due to lack of detail within this step. The system should be checked through all cycles to ensure proper operation. ASHRAE best practices for should be followed when handling vacuum and charging refrigerant.

12. Start-up

At start-up the following items should be checked:

- Check all threaded connections.
- Check electrical connections of motors, heater elements and any additional components, if applicable.
- Run the fans and check the direction of rotation. Make sure that there is no transport damage.
- During the test run observe the equipment and take notice of the following:
 - Check power requirements of electrical motors
 - Verify absence of Leaks
 - Adjust the expansion valve for proper superheating, if necessary
- After 24 hours of operation, re-check the equipment, especially all rotating parts.

13. Maintenance and service

WARNING

Disconnect all power sources before service!

13.1 Fan motors and heaters

The only electrical components vulnerable to potential malfunction are the fan, motors, control voltage regulation circuits (if applicable), and electrical defrost heaters. In the event of motor or heater failure, the affected part must be removed from the unit and replaced.

13.2 Drain pan

Periodic inspection of the drain pan is recommended. Accumulated dirt and dust should be cleaned out with hot water. If a sign of improper drainage is apparent then the drain line pitch, drain line heater (if applicable) and drain trap should be checked for proper operation. Unit can be cleaned using hot water. Special care should be taken when cleaning the unit around the electrical areas including the fan, wiring and junction boxes. Water could potentially damage the electrical motor.

13.3 Inspection and maintenance

Verify the following points when visually inspecting the equipment:

- Secured threaded connections
- Leaks
- Silent operation of the fans
- General state of the unit such as cleanliness and corrosion

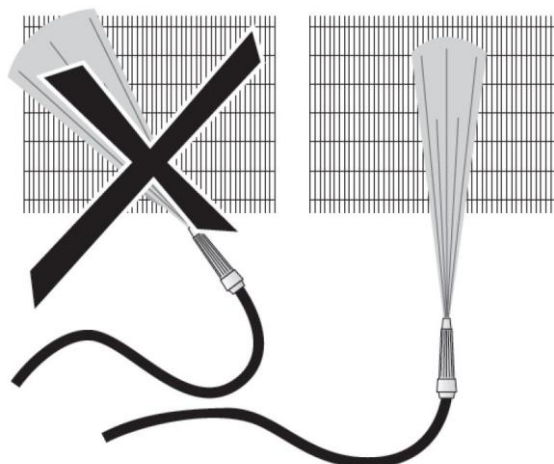
The cleaning of the finned heat exchanger is of the utmost importance to ensure smooth operation and long life of the equipment.

- There is no general rule how often it should be cleaned. Frequency and method of cleaning depend on the customer and must be determined by the customer's operating personnel. If necessary, the ice must be defrosted using water at 15 °- 25 ° Celsius degrees temperature. Never remove ice mechanically with sharp or metallic objects.
- The equipment is always supplied in a clean condition. If, during installation and/or first operation hours, contamination reaches a state where capacity can be affected, it is necessary that the unit is cleaned before operation.

When cleaning the unit **it must be out of operation and all electrical power disconnected.**

Hydraulic heat exchanger cleaning

- When cleaning with pressurized water or compressed air, the fans must be turned off. **To avoid damage, never spray the fans directly!**
- Clean the coil from top to bottom so that the dirt flows down. Cleaning should continue until all dirt is removed.
- **Always clean / spray in the direction of the fins.**
- **Never clean at 90 ° of the fins!**
- Maximum vapor pressure allowed: 6 bar. Maximum water pressure allowed before the outlet: 80 to 100 bar.



Preventive maintenance for commercial evaporators

Preventive maintenance for commercial evaporators	As Required	Every Month	Every 3 Months	Every 6 Months	Every Year
CLEAN using a brush, pressurized water or mild detergent. Make sure the product being used is appropriate for this particular application. NEVER USE ACID-BASED CLEANER.	X				
CHECK that fans rotate freely and quietly.		X			
REPLACE any motor if it vibrates or makes unusual noise.	X				
INSPECT the unit for unusual vibrations in fans or housing. Identify the fan that is causing vibration.		X			
INSPECT the drain pan to make sure the drain is free from obstructions, including ice buildup.		X			
INSPECT for ice buildup on the coil.		X			
CHECK defrost controller calibration.	X		X		
CHECK that heaters are working properly during defrost.			X		
VERIFY heater power consumption by comparing it to the data in the electrical diagram				X	
CHECK that the drain line is working properly.		X			
CHECK that all fan screws are tight. Tighten them if necessary.				X	
CHECK that there is no corrosion in fins, pan, housing, soldered joints or copper pipes.					X
CHECK that there are no grease stains in coil headers, return bends or fins.					X
VERIFY there are no possible leaks.					X
CHECK that wiring is in good conditions and protected. Replace protection if necessary.					X
CHECK that all ground connections are tight.					X

14. Electrical data

Model	Fans (Qty)	Air Volume		EC Fan	
				1~230V/50-60hz	
		CFM	m3/h	Total Fan Power (W)	Total Fan FLA
GADC RX D062.1A4/A1	1	730	1240	45	0.5
GADC RX D076.1A4/A1	1	697	1184	60	0.65
GADC RX D125.1A4/A1	2	1460	2481	90	1
GADC RX D153.1A4/A1	2	1394	2368	120	1.3
GADC RX D188.1A4/A1	3	2190	3721	135	1.5
GADC RX D232.1A4/A1	3	2091	3553	180	1.95
GADC RX D308.1A4/A1	4	2788	4737	240	2.6
GADC RX D387.1A4/A1	5	3485	5921	300	3.05
GADC RX D062.1A4/G1	1	730	1240	45	0.5
GADC RX D076.1A4/G1	1	697	1184	60	0.65
GADC RX D125.1A4/G1	2	1460	2481	90	1
GADC RX D153.1A4/G1	2	1394	2368	120	1.3
GADC RX D188.1A4/G1	3	2190	3721	135	1.5
GADC RX D232.1A4/G1	3	2091	3553	180	1.95
GADC RX D308.1A4/G1	4	2788	4737	240	2.6
GADC RX D387.1A4/G1	5	3485	5921	300	3.05
GADC RX D054.1A4/H1	1	736	1250	45	0.5
GADC RX D065.1A4/H1	1	653	1109	45	0.5
GADC RX D108.1A4/H1	2	1472	2501	90	1
GADC RX D130.1A4/H1	2	1306	2219	90	1
GADC RX D159.1A4/H1	3	2208	3751	135	1.5
GADC RX D195.1A4/H1	3	1959	3328	135	1.5
GADC RX D250.1A4/H1	4	2612	4438	180	2
GADC RX D293.1A4/H1	5	3265	5547	225	2.5

Model	Fans (Qty)	Air Volume		EC Fan		Heaters	
				1~230V/50-60hz		230 V	
		CFM	m3/h	Total Fan Power(W)	Total Fan FLA	Total Heater Power(kW)	Total Heater FLA
GADC RX D062.1A4/L1	1	730	1240	45	0.5	1.44	6.26
GADC RX D076.1A4/L1	1	697	1184	60	0.65	1.8	7.83
GADC RX D125.1A4/L1	2	1460	2481	90	1	3	13.04
GADC RX D153.1A4/L1	2	1394	2368	120	1.3	3.6	15.65
GADC RX D188.1A4/L1	3	2190	3721	135	1.5	4.5	19.57
GADC RX D232.1A4/L1	3	2091	3553	180	1.95	5.4	23.48
GADC RX D308.1A4/L1	4	2788	4737	240	2.6	7.2	31.3
GADC RX D387.1A4/L1	5	3485	5921	300	3.05	8.4	36.52
GADC RX D054.1A4/E1	1	736	1250	45	0.5	1.8	7.83
GADC RX D065.1A4/E1	1	653	1109	45	0.5	2.16	9.39
GADC RX D108.1A4/E1	2	1472	2501	90	1	3	13.04
GADC RX D130.1A4/E1	2	1306	2219	90	1	4.2	18.26
GADC RX D159.1A4/E1	3	2208	3751	135	1.5	4.5	19.57
GADC RX D195.1A4/E1	3	1959	3328	135	1.5	6.3	27.39
GADC RX D250.1A4/E1	4	2612	4438	180	2	8.4	36.52
GADC RX D293.1A4/E1	5	3265	5547	225	2.5	9.8	42.61

15. Spare parts

Model	EC Fan	Junction Box	Drain
	230 V		
GADC RX D062.1A4/A1	VT03226U	4512	AZ151.5NG
GADC RX D076.1A4/A1			AZ151.5NG
GADC RX D125.1A4/A1			AZ151.5NG
GADC RX D153.1A4/A1			AZ151.5NG
GADC RX D188.1A4/A1			AZ151.5NG
GADC RX D232.1A4/A1			AZ151.5NG
GADC RX D308.1A4/A1			AZ151.5NG
GADC RX D387.1A4/A1			AZ151.5NG
GADC RX D054.1A4/H1			AZ151.5NG
GADC RX D065.1A4/H1			AZ151.5NG
GADC RX D108.1A4/H1			AZ151.5NG
GADC RX D130.1A4/H1			AZ151.5NG
GADC RX D159.1A4/H1			AZ151.5NG
GADC RX D195.1A4/H1			AZ151.5NG
GADC RX D250.1A4/H1			AZ151.5NG
GADC RX D293.1A4/H1			AZ151.5NG
GADC RX D062.1A4/G1			AZ151.5NG
GADC RX D076.1A4/G1			AZ151.5NG
GADC RX D125.1A4/G1			AZ151.5NG
GADC RX D153.1A4/G1			AZ151.5NG
GADC RX D188.1A4/G1			AZ151.5NG
GADC RX D232.1A4/G1			AZ151.5NG
GADC RX D308.1A4/G1			AZ151.5NG
GADC RX D387.1A4/G1			AZ151.5NG

Model	EC Fan		Drain	Coil Heater	Coil Heater Quantity	Tray Heater	Tray Heater Quantity
	230 V						
GADC RX D054.1A4/E1	VT03226U	4512	AZ151.5NG	U20GD06400180230	6	U20GD06400180230	4
GADC RX D065.1A4/E1	VT03226U	4512	AZ151.5NG	U20GD06400180230	8	U20GD06400180230	4
GADC RX D108.1A4/E1	VT03226U	4512	AZ151.5NG	U20GD11000300230	6	U20GD11000300230	4
GADC RX D130.1A4/E1	VT03226U	4512	AZ151.5NG	U20GD11000300230	10	U20GD11000300230	4
GADC RX D159.1A4/E1	VT03226U	4512	AZ151.5NG	U20GD16400450230	6	U20GD16400450230	4
GADC RX D195.1A4/E1	VT03226U	4512	AZ151.5NG	U20GD16400450230	10	U20GD16400450230	4
GADC RX D250.1A4/E1	VT03226U	4512	AZ151.5NG	U20GD21300600230	10	U20GD21300600230	4
GADC RX D293.1A4/E1	VT03226U	4512	AZ151.5NG	U20GD26000700230	10	U20GD26000700230	4
GADC RX D062.1A4/L1	VT03226U	4513	AZ151.5NG	U20GD06400180230	4	U20GD06400180230	4
GADC RX D076.1A4/L1	VT03226U	4514	AZ151.5NG	U20GD06400180230	6	U20GD06400180230	4
GADC RX D125.1A4/L1	VT03226U	4515	AZ151.5NG	U20GD11000300230	6	U20GD11000300230	4
GADC RX D153.1A4/L1	VT03226U	4516	AZ151.5NG	U20GD11000300230	8	U20GD11000300230	4
GADC RX D188.1A4/L1	VT03226U	4517	AZ151.5NG	U20GD16400450230	6	U20GD16400450230	4
GADC RX D232.1A4/L1	VT03226U	4518	AZ151.5NG	U20GD16400450230	8	U20GD16400450230	4
GADC RX D308.1A4/L1	VT03226U	4519	AZ151.5NG	U20GD21300600230	8	U20GD21300600230	4
GADC RX D387.1A4/L1	VT03226U	4520	AZ151.5NG	U20GD26000700230	8	U20GD26000700230	4

16. Troubleshooting

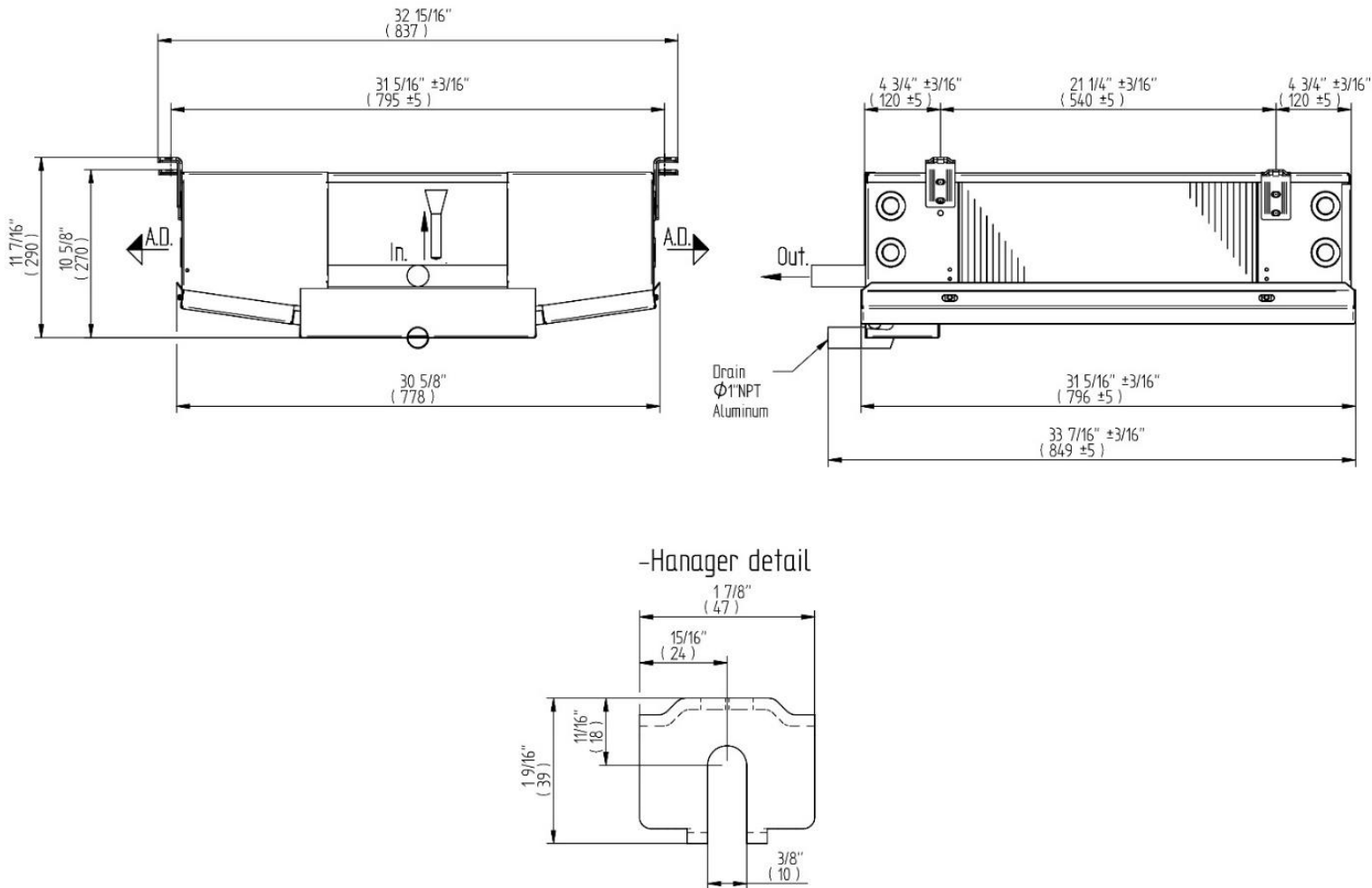
Symptom	Possible causes	Possible corrective actions
1. Fan does not work.	1.1 Main switch open.	1.1.1 Close switch.
	1.2 Fuses blown.	1.2.1 Check for short circuit or overloads. Replace damaged fuses.
	1.3 Damaged timer or thermostat.	1.3.1 Replace controller.
	1.4 Unit is in defrost cycle.	1.4.1 Wait for end of a cycle.
	1.5 Coil does not cool down enough to reset thermostat.	1.5.1 Increase fan waiting time after defrost cycle.
	1.6 Motor is burnt.	1.6.1 Verify there is no over-voltage and replace motor.
	1.7 Fan does not start.	1.7.1 Check for obstructions (ice, waste, etc.) and remove them. 1.7.2 Check for short circuits exist in fan junction box and repair.
2. Room temperature is too high.	2.1 Room thermostat setting is too high.	2.1.1 Lower thermostat setting.
	2.2 Overheating is too high.	2.2.1 Verify whether expansion valve is feeding properly and clean strainer mesh. 2.2.2 Verify that bulb is located at right position and adjust if necessary. 2.2.3 Adjust overheating at expansion valve. 2.2.4 Verify that refrigerant charge is not too low.
	2.3 Low refrigerant in the system.	2.3.1 Check for leaks and charge system with additional refrigerant.
	2.4 Ice formation on coil.	2.4.1 Perform manual defrost of coil. Check defrost system.
	2.5 Cooling unit is too close to a door.	2.5.1 Relocate unit or add strip/air curtains on door.
	2.6 Excess air infiltration due to open doors.	2.6.1 Check doors seals and replace if necessary.
	2.7 Product has just been added to cold room.	2.7.1 Wait for product temperature to come down.
	2.8 The system is off.	2.8.1 Turn on the refrigeration system.
	2.9 Power surge in system fails.	2.9.1 Restore power surge.
	2.10 Air flow in room is difficult.	2.10.1 Verify that all fans spinning in the right direction. 2.10.2 See possible cause 1.7 2.10.3 See symptom 4. 2.10.4 Go over unit location recommendations.
	2.11 Pressure drop across evaporator is too high.	2.11.1 Replace expansion valve with valve, maintain external pressure equalization, adjust superheat on valve.

Symptom	Possible causes	Possible corrective actions
2. Room temperature is too high.	2.12 Lack of subcooling in the system	2.12.1 Establish subcooling in the system.
	2.13 Pressure drop in the valve is higher than valve's design pressure.	2.13.1 Select a new valve with the desired pressure drop.
	2.14 The expansion valve becomes blocked with ice due to moisture in the system.	2.14.1 Change the dryer filter and clean the ice from the valve.
	2.15 Expansion valve is blocked with wax or other impurities.	2.15.1 Clean valve port and strainer. 2.15.2 Clean solenoid valve and its filter. 2.15.3 Replace the oil in the refrigeration system.
	2.16 The expansion valve is too small.	2.16.1 Select and replace the valve one of greater capacity or port.
	2.17 Expansion valve bulb charge was lost.	2.17.1 Replace the valve (or the powerhead if possible).
	2.18 Wrong selection of expansion valve powerhead.	2.18.1 Select powerhead according to application.
	2.19 Expansion valve bulb does not make good contact with suction line.	2.19.1 Fasten bulb to suction line adequately.
	2.20 Expansion valve bulb is not insulated.	2.20.1 Place insulation all over the bulb.
	2.21 Expansion valve bulb is too close to large valves, flanges, headers or riser pipe.	2.21.1 Replace expansion valve with a valve with external pressure equalization, adjust superheat at valve.
3. Ice buildup in ceiling around evaporator and / or in orifices or fan nozzles, blades or grid.	3.1 Defrost cycle is too long.	3.1.1 Shorten defrost cycle.
	3.2 Fan delay does not work after defrost cycle.	3.2.1 Adjust defrost thermostat properly or see 3.3.
	3.3 Defective defrost thermostat or timer.	3.3.1 Replace defective component.
	3.4 Too many defrost cycles.	3.4.1 Reduce the number of defrost cycles per day.
4. Coil is not cleared of ice after the defrost cycle.	4.1 Heater does not work.	4.1.1 Make sure all heaters are working.
	4.2 Hot gas supply is not enough.	4.2.1 Make sure there is enough volume of hot gas to defrost the unit.
	4.3 There are not enough defrost cycles per day.	4.3.1 Increase the number of defrost cycles per day.
	4.4 Defrost cycle is too short.	4.4.1 Increase time in the defrost thermostat or timer for longer cycle.
	4.5 Defrost thermostat or timer does not work.	4.5.1 Replace the component.
5. Uneven coil freezing during refrigeration cycle.	5.1 Distributor is in horizontal position.	5.1.1 Change distributor to vertical position.
	5.2 Distributor or capillaries are blocked.	5.2.1 Replace distributor with capillaries.
	5.3 After defrosting, dripping time is too short.	5.3.1 Increase dripping time.
	5.4 Incorrect or missing distributor nozzle.	5.4.1 Add or substitute the nozzle with an adequately sized orifice for conditions.
	5.5 Located too close to a door opening.	5.5.1 Relocate the evaporator.

Symptom	Possible causes	Possible corrective actions
6. Ice buildup in drain pan.	6.1 Drain line heater does not work.	6.1.1 Check heater power supply. 6.1.2 Change drain line heater.
	6.2 Tray heater does not work.	6.2.1 Check heater power supply. 6.2.2 Change tray heater.
	6.3 Unit is improperly tilted.	6.3.1 Level unit to horizontal position.
	6.4 Drain line is clogged.	6.4.1 Clean drain line. 6.4.2 Insulate drain line properly (if clogged with ice).
	6.5 Thermostat is not working.	6.5.1 Replace defective component.
	6.6 Drain line has no water trap.	6.6.1 Install a water trap in the drain line outside the cold room.
	6.7 Drain pan was not correctly replaced on unit after maintenance.	6.7.1 Verify that drain pan is close to heaters or to the hot gas coil.
7. Water buildup in drain pan or water distributed outside unit.	7.1 The drain line clogged.	7.1.1 Clean drain line.
	7.2 Drain pan was not correctly replaced on unit after maintenance.	7.2.1 Make sure the drainage pan is levelled backwards.
	7.3 The unit is improperly tilted.	7.3.1 Level unit back to horizontal position.

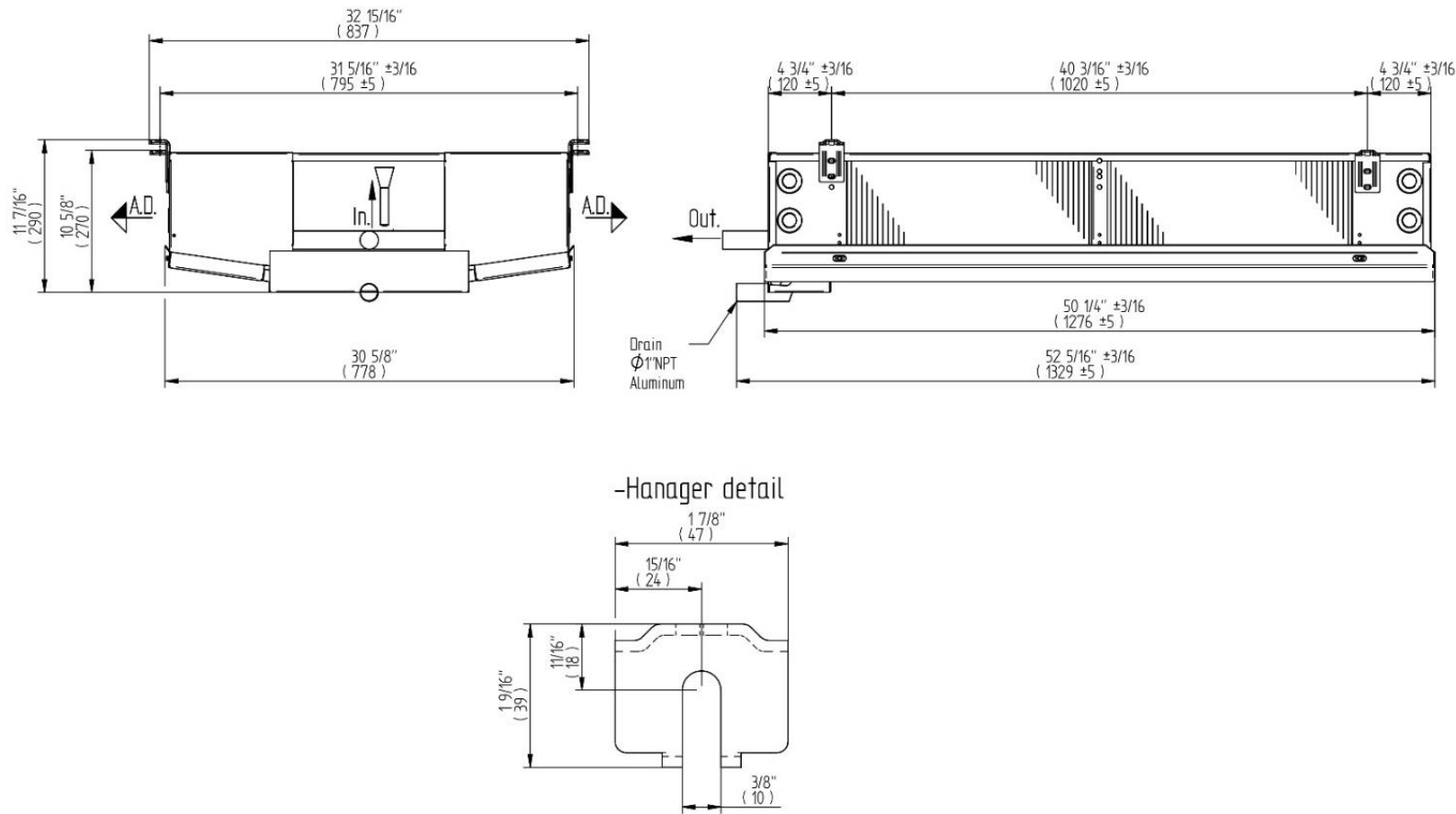
17. Appedix A: Unit dimensions

17.1 - 1 Fan drawing



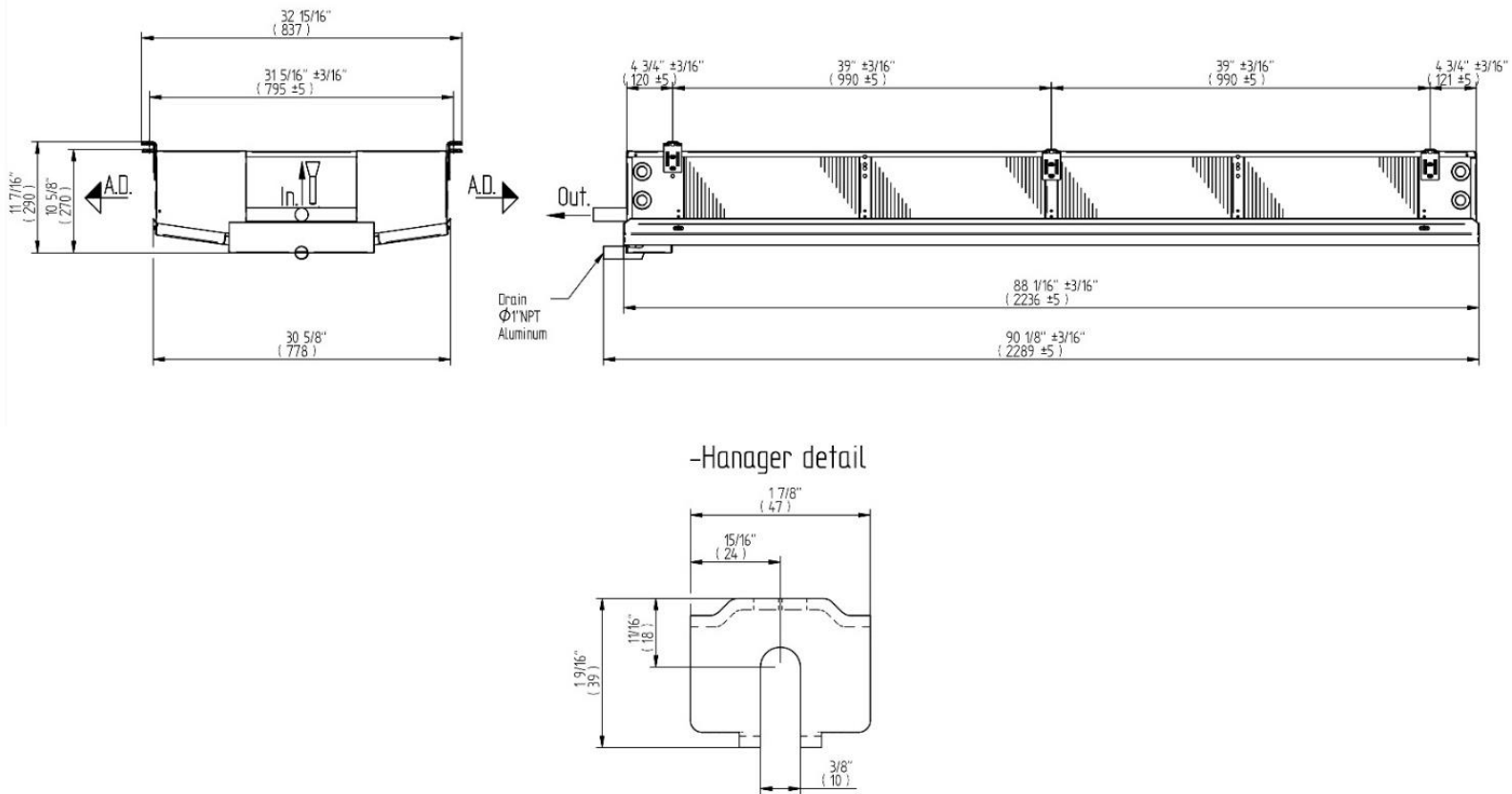
Fan quantity	Nomenclature	Coil inlet (in)	Coil outlet (in)	Weights	
				kgs	lbs
1	GADC RX D062.1A4/A1	5/8	5/8	25	54
1	GADC RX D076.1A4/A1	5/8	5/8	28	61
1	GADC RX D054.1A4/E1	5/8	5/8	39	85
1	GADC RX D065.1A4/E1	5/8	5/8	44	98
1	GADC RX D054.1A4/H1	5/8	5/8	29	63
1	GADC RX D065.1A4/H1	5/8	5/8	32	70

17.2 - 2 Fans drawing



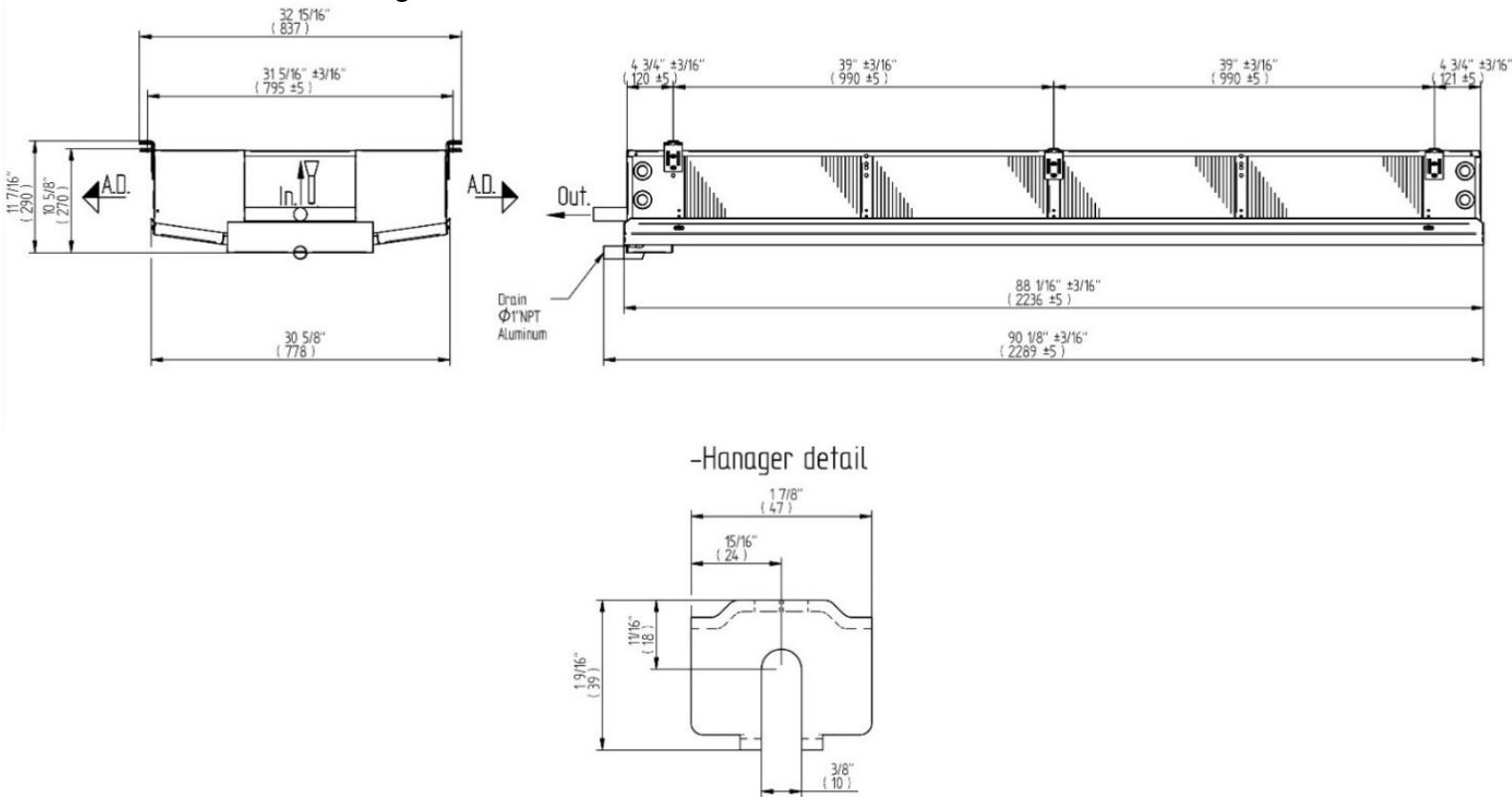
Fan quantity	Nomenclature	Coil inlet (in)	Coil outlet (in)	Weights	
				kgs	lbs
2	GADC RX D125.1A4/A1	5/8	5/8	38	85
2	GADC RX D153.1A4/A1	5/8	5/8	44	96
2	GADC RX D108.1A4/E1	5/8	5/8	52	116
2	GADC RX D130.1A4/E1	5/8	7/8	63	139
2	GADC RX D108.1A4/H1	5/8	5/8	43	95
2	GADC RX D130.1A4/H1	5/8	7/8	48	106

17.3 - 3 Fans drawing



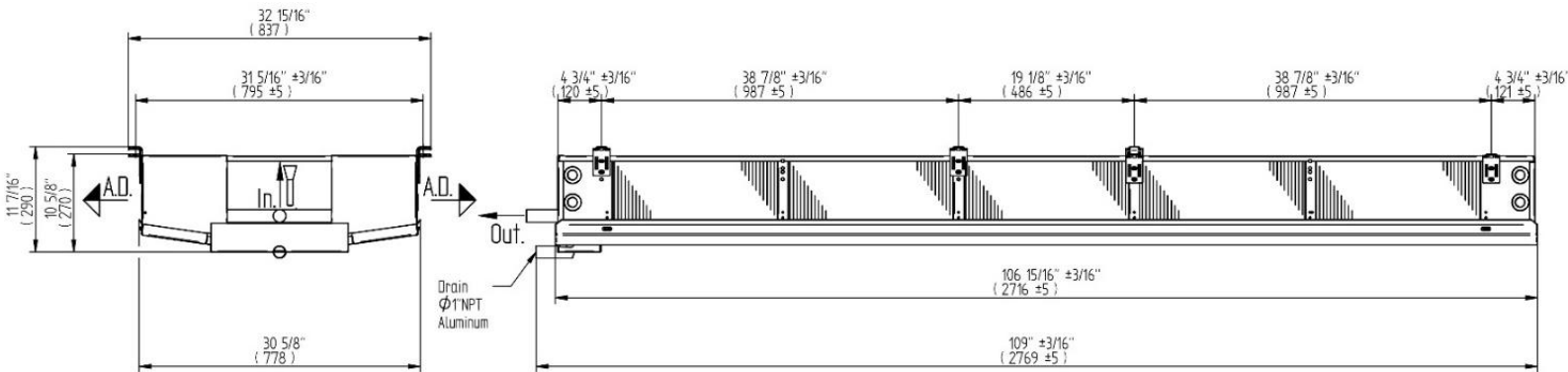
Fan quantity	Nomenclature	Coil inlet (in)	Coil outlet (in)	Weights	
				kgs	lbs
3	GADC RX D188.1A4/A1	5/8	5/8	55	120
3	GADC RX D232.1A4/A1	5/8	5/8	62	137
3	GADC RX D159.1A4/E1	5/8	7/8	69	152
3	GADC RX D195.1A4/E1	7/8	1 1/8	82	181
3	GADC RX D159.1A4/H1	5/8	7/8	60	131
3	GADC RX D195.1A4/H1	7/8	1 1/8	67	148

17.4 - 4 Fans drawing

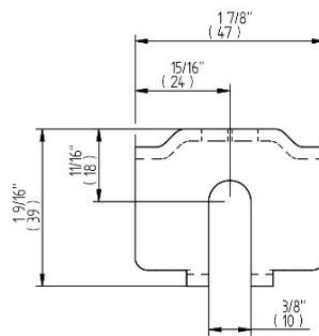


Fan quantity	Nomenclature	Coil inlet (in)	Coil outlet (in)	Weights	
				kgs	lbs
4	GADC RX D308.1A4/A1	5/8	7/8	78	172
4	GADC RX D250.1A4/E1	7/8	1 1/8	98	217
4	GADC RX D250.1A4/H1	7/8	1 1/8	84	185

17.5 - 5 Fans drawing



-Hanger detail



Fan quantity	Nomenclature	Coil inlet (in)	Coil outlet (in)	Weights	
				kgs	lbs
5	GADC RX D387.1A4/A1	7/8	7/8	98	215
5	GADC RX D293.1A4/E1	7/8	1 3/8	118	260
5	GADC RX D293.1A4/H1	7/8	1 3/8	104	229



18. Reference information

SERVICE LOG GADC RX

One data sheet must be completed for each installation and each cooler, with a copy for the owner, a copy for the installer and the original for Güntner. If another company is to provide the service and maintenance, additional copies should be prepared as necessary.

Güntner

System reference data

The refrigeration installation contractor must complete and sign the information bellow:

Date of installation of system _____

Installer name and address _____

Evaporator(s)

Evaporator Model No. _____

Evaporator Serial Number _____

Electrical System _____ Volts _____ Phases _____

Expansion valve brand and model _____

Environment at startup _____ °F

Box design temperature _____ °F

Box operating temperature _____ °F

Thermostat setting _____ °F

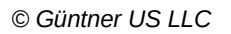
Defrost setting / day _____ minutes fail proof / day _____ minutes fail proof

Evaporator suction line temperature _____ °F

Superheat at evaporator _____ °F

Discharge _____ No. of times _____ Final microns _____ No. of times _____ Final microns _____

Evaporator drain line with trap external to box Yes ☐ No ☐



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.