







We Think About FUTURE



A Series Elevator Coolers can be applied to all types of elevators. Uludag Klima offers the best solution for elevator cooling in the most economical and safe way with stainless steel structure and luminous digital controller of A Series Elevator Coolers.

about us

As UludagKlima, we are proud to be the first and only domestic manufacturer in the enclosure cabinet cooler producing industry in Turkey. Our company that related to air conditioner manufacturing business since 1998, started to mass production in the year 2000.

Since then our manufacturing capacity developed increasingly year by year. To day most of the large scale industrial establishmnets' enclosures are being conditioning by Uludag Klima products. UludagKlima increases the client potential every day with solutions based on customer - focused quality understanding.

Our manufacturing facility is deployed at Bursa Organised Zone.

ELEVATOR COOLER

Elevator Cooler Installation Guide

Air Conditioner for elevator

Industrial air conditioning unit specially developed for elevators.



Product Detail

Our company, which works to eliminate the discomfort caused by the excessive heat in the elevator cabins to its users, has developed and produced an air conditioner that will solve the problems that will meet your needs and put it at the service of the elevator sector.

When your customer waiting for the elevator in a warm environment gets on the elevator, the ambient temperature is 5-6 °C lower, which they will feel at first. Imagine the smile after surprise and then the search in the elevator to discover the source of cold air. The short trip is over. If our goal is to surprise your customers positively, here you have succeeded.

Technical information

Description	A-2000	A- 4000
Cooling Capacity (L35/L35)	5.800 Btu/h	12.600 Btu/h
Gas Type	R 134a	R 134a
Gas Amount	550 gr	1150 gr
External Circuit	1005 m³/h	1800 m³/h
Internal Circuit	540 m³/h	945 m³/h
Input Voltage	230 V. AC	400 V. AC
Height x Width x Depth mm	670X400X310	735X450X480
Starting Current	3.9 A	3.6 A (each line)
Running Current	4.9 A	2.2 A (each line)
Weight	33 kg	65 kg
Corrosion Protection (cover)	Stainless	Stainless
Ambient Air Temperature	0 °C 55 °C	0 °C 55 °C
Compressor	Danfoss-Secop	Embraco
Fans	EbmPapst	EbmPapst









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INSTALLATION

Place the air conditioner in the appropriate area above the elevator cabin. (The arrow shown on the air conditioner is pointing up.)





2 Cross-Sectioning

Drill 2 holes in the elevator ceiling with a diameter of 13 cm for the vent. Make sure that the gap between the two vents is at least **1 meter.**

Importan Note: The holes to be drilled should be drilled with the same centers in both the cabin and the lighting ceiling. If it is not opened only in the cabin ceiling and lowered under the suspended ceiling, the cold air coming from the air conditioner cannot be spread into the elevator.



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3 FLEXBLE **HOSE**

Connect the flexible air hoses shipped with the device with one end in the air conditioner and one end in the air vent in the cabin. Complete the same process for both air ducts.

Notes:

- Clamp the flexible hoses, vent and air conditioning ports and make sure there are no air leaks.
- Attach the insulated duct to the blowing part (lower outlet).

4 HOSE CONNECTION

Condensation water resulting from cooling is destroyed in the evaporation container on the side surface of the air conditioner.

However, in case of any distress, there is a drainage drainpipe left for **safety purposes** to prevent water from flowing into the cabin.

Attach the transparent water hose shipped with the product to this drainpipe located on the side surface of the air conditioner. Hang the other end of the hose under the cabin.

5 ENERGY

After completing the mechanical installation process, draw energy from an independent power line on the Elevator cabin with **3X1 thick TTR cable**... /**10 A Contactor (fuse)**

Energize the cable shown in the illustration. The unit will start working with set to 21 $^{\circ}\mathrm{C}.$



220 V. MONOFAZE UNITS











Digital Display Elevator **Cooler**

When pressed while in any menu, it returns to the main operation screen. If it is pressed for 5 sec., it turns ON/OFF.



Cooling (compressor) runs when the enclosure internal temperature is higher than SET value + Hysteresis value.
When the internal temperature of the cabinet reaches the SET value, the cooling (compressor) stops.

Changing the Set Point:

Press and hold the **SET button for 5 seconds**. **SET CABIN** appears on the screen. Then change the value with the **arrow keys**. Finally, save the setting by the **SET** button.

CONTROL UNIT



MENU-1

-> SET ALARM ALARM ON	Indicates Alarm Active / Disabled Status.	Changes Operating Mode. Cabinet / FreeCool / Tem / Heater / Water	-> CHANGE MODE TEMP.MON.
-> LIMITTEMP LIMIT ON	Set Lower Lock Changes State. (Lock: 26 °C)	On Door Switch, Stop Evap Fan (ON) Door Switch Relay, Open/Close NO/NC (OFF) Hysteresis for Set Value (4 °C)	-> DOOR EUP STATUS -> DOOR SWIT STAT -> HYSTERS
-> BUZZER TONE TONE ON	Changes The Key Sound. On / Off	Show EVAP Value on Main Screen (OFF) Show Condenser Value on Main Screen (OFF) Sensors 2 and 3 are ON Create High Temperature Alarm (OFF)	-> SHOW EURP SENS -> SHOW KOND SENS -> SENSOR CONTROL
-> SERIAL NO EA15XXXXXX	The serial number of the unit Appears	High Temperature Alarm Point (SET+20 °C) Modbus Communication Rate (9600) Modbus ID Select (1)	-> HIGH TEMP SET -> HIGH TEMP POINT -> MODBUS BAND -> MODBUS ID
-> TEMP SYMBOL Celcius	The temperature unit appears.	Automatic Reset on Failure (ON) Setpoint in Freecool and Heater Mode Compressor Activates Manually Ethernet Mode (Online / Offline)	-> AUTORESET STATUS -> FC SET VALUE -> SERVICE MODE -> ETHERNET MODE
-> SET DEFAULT PRESS OK KEY	Returns to Default Settings	When Ethernet Mode is OFFLIN Ethernet can be used for Modbus TCP communicat	
-> RESTART SYS PRESS OK KEY	Restarts the System.	Language Türkçe/English/Deutch	-> SET LANGUAGE ENGLISH
-> EXIT PRESS OK KEY	Exit	Exit	->EXIT PRESS OK KEY

Important Note: Use the SET key to change the value while in the parameter.

Failure Messages

WATER SENSOR ERROR: Sensor Break / No Contact	CF FAILURE : Cooling Error, Gas Leakage or Compressor Failure	
FREECOOLING SENSOR ERROR: Break / No Contact	HTC Failure : High Condenser Surface Temperature (>72 °C)	
CONDANSER SENSOR ERROR: Break / No Contact	HTP Failure : High Temperature (Set + High Temp.Point) °C	
EVAP SENSOR ERROR: Sensor Break / No Contact	LTE Failure : Low Evaporator Surface Temperature (<3 °C)	
CABINET SENSOR ERROR: Sensor Break / No Contact	WATER Failure: It occurswater contact + 1 minute	
DOOR OPEN ERROR: Door Switch (NO)		

MENU-2



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