



ENCLOSURE COOLING UNITS



ULUDAG KLIMA
BEST SOLUTIONS





uludagklima.com

THE BEST THERMAL SOLUTIONS FOR ELECTRICAL CABINETS



ULUDAG KLIMA, PRODUCES SMART COOLING
UNITS FOR ENCLOSURES IN ITS MODERN FACTORY,
USING TODAY'S MOST ADVANCED TECHNOLOGIES.



WORKING TO PRODUCE THE BEST PRODUCT



WE THINK → ABOUT THE FUTURE



As UludağKlima we are proud to be the first and only domestic manufacturer in the enclosure cabinet cooler producing industry in Türkiye. 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 establishments' electrical panels are being conditioning by UludağKlima products. Uludağ Klima increases the client potential every day with solutions based on customer focused quality understanding. Our manufacturing facility is deployed at Bursa Organised Zone.



**WITH SMART
SYSTEM**



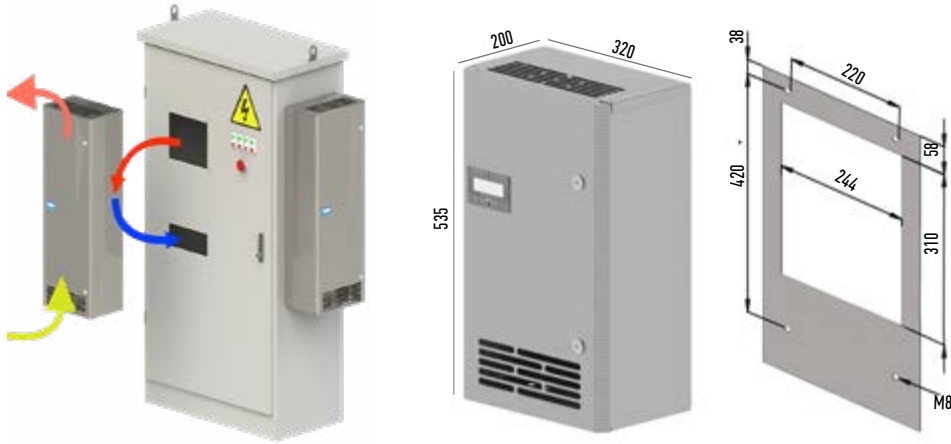
ENCLOSURE COOLERS

Summer months approaches, temperature rises in enclosure cabinets (approximately 45-60°C) With this increase, unscheduled downtime is inevitable. Against to this expected and said "I'M COMING" danger, precautions to be taken is our enclosure cabinet coolers.



SVK 500

ENCLOSURE COOLER



TECHNICAL DETAILS

SVK 500

Cooling Capacity (L35 / L35)	450 W
Type Of Refrigerant	R134A
Amount Of Refrigerant	290 gr
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	540 m³/h
Internal Circuit	290 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	312 W
Current Cooling ON	1.6 A
Starting / High-Current (RLA / LRA)	2.3 A / 5.4 A
Weight	20 kg
Height x Width x Depth mm	535 x 320 x 200
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Wall Mount
System of Protection	IP 54
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Secop
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



450 Watt

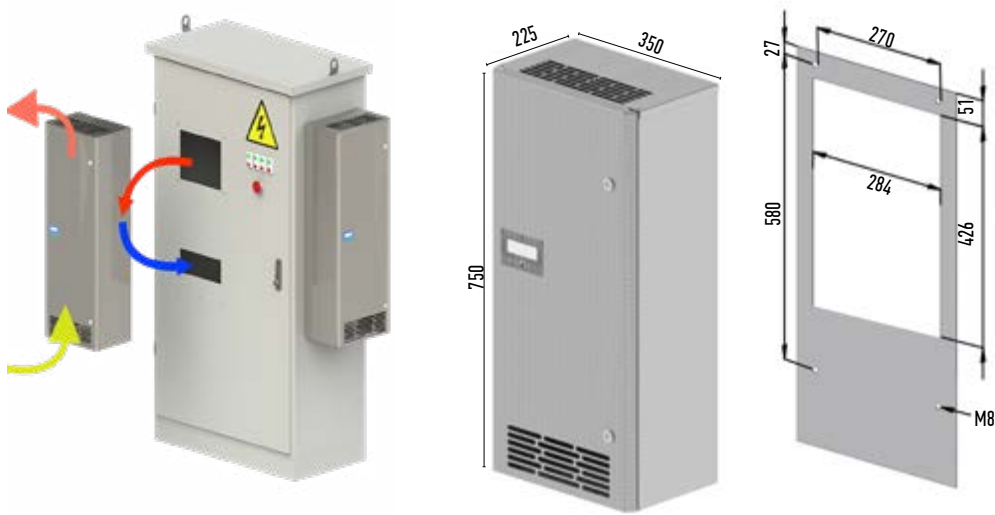
Cooling Capacity

- **Easy Installation**, Wall Mount / Door Type
- **Smart System**, Digital Smart Controller
- **Steel Case**, Stainless Steel or Painted
- **Easy Maintenance**, Openable Cover
- **A Class Equipment**, High Quality parts



SVK 1000

ENCLOSURE COOLER



TECHNICAL DETAILS

	SVK 1000
Cooling Capacity (L35 / L35)	1000 W
Type Of Refrigerant	R134A
Amount Of Refrigerant	380 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	540 m³/h
Internal Circuit	540 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	530 W
Current Cooling ON	2.4 A
Starting / High-Current (RLA / LRA)	3.4 A / 13.5 A
Weight	28 kg
Height x Width x Depth mm	750 x 350 x 225
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Wall Mount
System of Protection	IP 54
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Secop
Fans	EbmPapst
Communication Options	EtherNet/IP, ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



1000 Watt

Cooling Capacity

- **Easy Installation**, Wall Mount / Door Type
- **Smart System**, Digital Smart Controller
- **Steel Case**, Stainless Steel or Painted
- **Easy Maintenance**, Openable Cover
- **A Class Equipment**, High Quality parts



SVK 2000

ENCLOSURE COOLER



TECHNICAL DETAILS

	SVK 2000
Cooling Capacity (L35 / L35)	1700 W
Type Of Refrigerant	R134A
Amount Of Refrigerant	520 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	945 m³/h
Internal Circuit	945 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	860 W
Current Cooling ON	3.9 A
Starting / High-Current (RLA / LRA)	4.9 A / 19.0 A
Weight	37 kg
Height x Width x Depth mm	955 x 400 x 250
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Wall Mount
System of Protection	IP 54
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Secop
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



1700 Watt

Cooling Capacity

- **Easy Installation**, Wall Mount / Door Type
- **Smart System**, Digital Smart Controller
- **Steel Case**, Stainless Steel or Painted
- **Easy Maintenance**, Openable Cover
- **A Class Equipment**, High Quality parts





| SVK 3000

Cooling Capacity (L35 / L35)	2700 W	
Type Of Refrigerant	R134A	
Amount Of Refrigerant	670 gr	
Adjustability Range	15 °C...35 °C	
Hysteresis	4 °C	
External Circuit	1175 m³/h	
Internal Circuit	945 m³/h	
Rated Frequency	50/60 Hz	
Input Voltage	400 V	230 V
Power Absorbed L35 L35	1050 W	1300 W
Current Cooling ON	2.6 A	5.7 A
Starting / High-Current (RLA / LRA)	4.0 A / 10.5 A	6.2 A / 25.0 A
Weight	56 kg	
Height x Width x Depth mm	1150 X 400 X 300	
Corrosion Protection (cover)	Stainless or Painted Steel	
Orientation	Wall Mount	
System of Protection	IP 54	
Ambient Air Temperature	-20 °C ... +55 °C	
Compressor	Embraco	
Fans	EbmPapst	
Communication Options	EtherNet/IP , ModBus TCP or RTU	
Mobile Control	GooglePlay - AppStore	

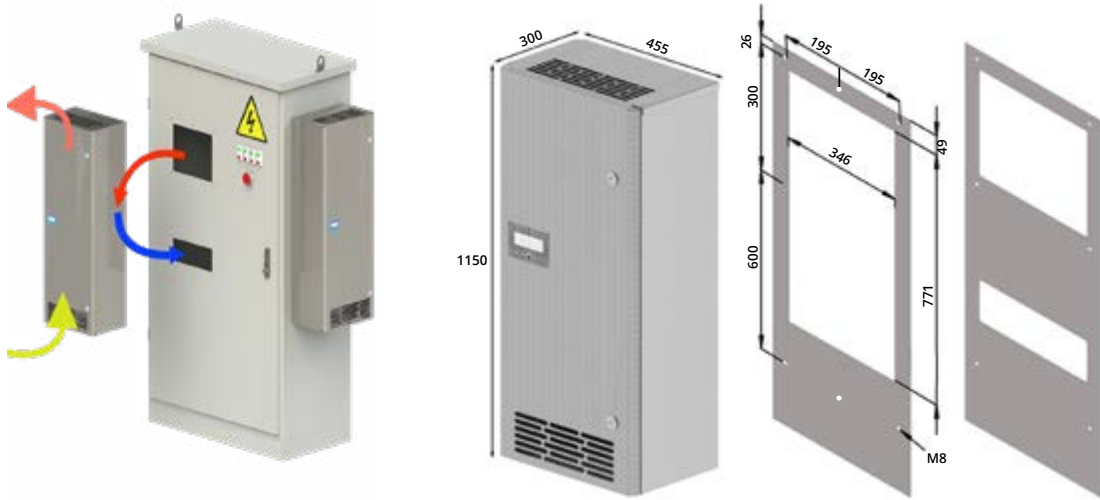


- **Easy Installation**, Wall Mount / Door Type
- **Smart System**, Digital Smart Controller
- **Steel Case**, Stainless Steel or Painted
- **Easy Maintenance**, Openable Cover
- **A Class Equipment**, High Quality parts



SVK 4000

ENCLOSURE COOLER



TECHNICAL DETAILS

	SVK 4000
Cooling Capacity (L35 / L35)	3700 W
Type Of Refrigerant	R134A
Amount Of Refrigerant	950 gr
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	1425 m³/h
Internal Circuit	945 m³/h
Rated Frequency	50/60 Hz
Input Voltage	380 V - 415 V
Power Absorbed L35 L35	1040 W
Current Cooling ON	2.6 A
Starting / High-Current (RLA / LRA)	4.0 A / 13.0 A
Weight	62 kg
Height x Width x Depth mm	1150 x 455 x 300
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Wall Mount
System of Protection	IP 54
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



3700 Watt

Cooling Capacity

- **Easy Installation**, Wall Mount / Door Type
- **Smart System**, Digital Smart Controller
- **Steel Case**, Stainless Steel or Painted
- **Easy Maintenance**, Openable Cover
- **A Class Equipment**, High Quality parts



SVK 6000

ENCLOSURE COOLER



TECHNICAL DETAILS

Cooling Capacity (L35 / L35)	5700 W
Type Of Refrigerant	R134A
Amount Of Refrigerant	1400 gr
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	2110 m³/h
Internal Circuit	1425 m³/h
Rated Frequency	50/60 Hz
Input Voltage	380 V - 415 V
Power Absorbed L35 L35	1280 W
Current Cooling ON	3.2 A
Starting / High-Current (RLA / LRA)	4.2 A / 22.0 A
Weight	82 kg
Height x Width x Depth mm	1543 x 480 x 373
Corrosion Protection (cover)	Painted Steel
Orientation	Wall Mount
System of Protection	IP55
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



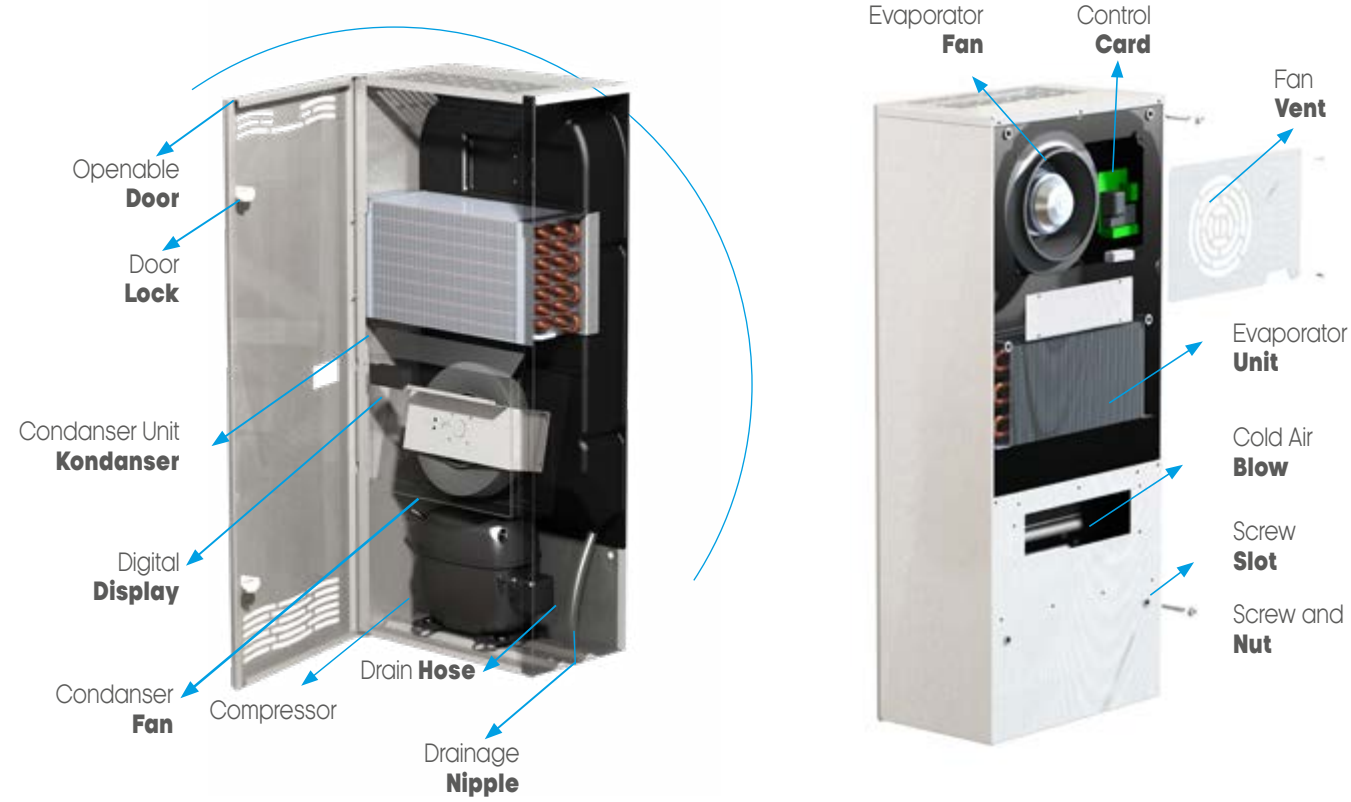
5700 Watt

Cooling Capacity

- **Easy Installation**, Wall Mount / Door Type
- **Smart System**, Digital Smart Controller
- **Steel Case**, Stainless Steel or Painted
- **Easy Maintenance**, Openable Cover
- **A Class Equipment**, High Quality parts



PRODUCT PARTS



PRODUCT DESCRIPTION

- 1- Openable cover, Easy Maintenance
- 2- Smart digital display and Smart electronic control
- 3- Remote control with Ethernet and RS485 Communication
- 4- Door switch connection
- 5- Fault warning system/dry contact; faults can be read on PLC or 220 V output
- 6- Three-sensor protection; Advance information feature for maintenance
- 7- Steel out body, modern design. Stainless or painted (optional)

ELECTRONIC CONTROL

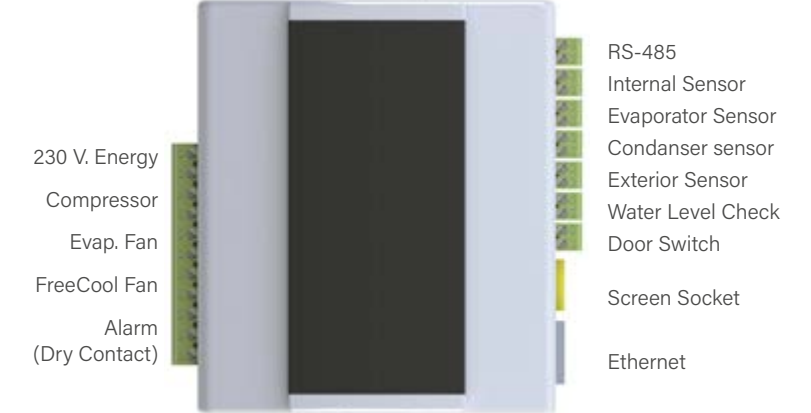


DISPLAY



ETHERNET

CONTROL BOARDS



INSTALLATION

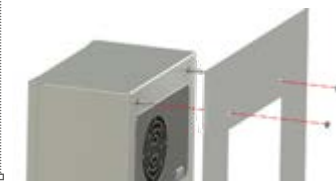
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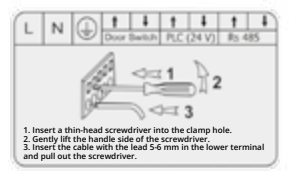
02 CUTTING



03 FIXING



04 ENERGY





**BEST SOLUTION IN
ALL CONDITIONS**



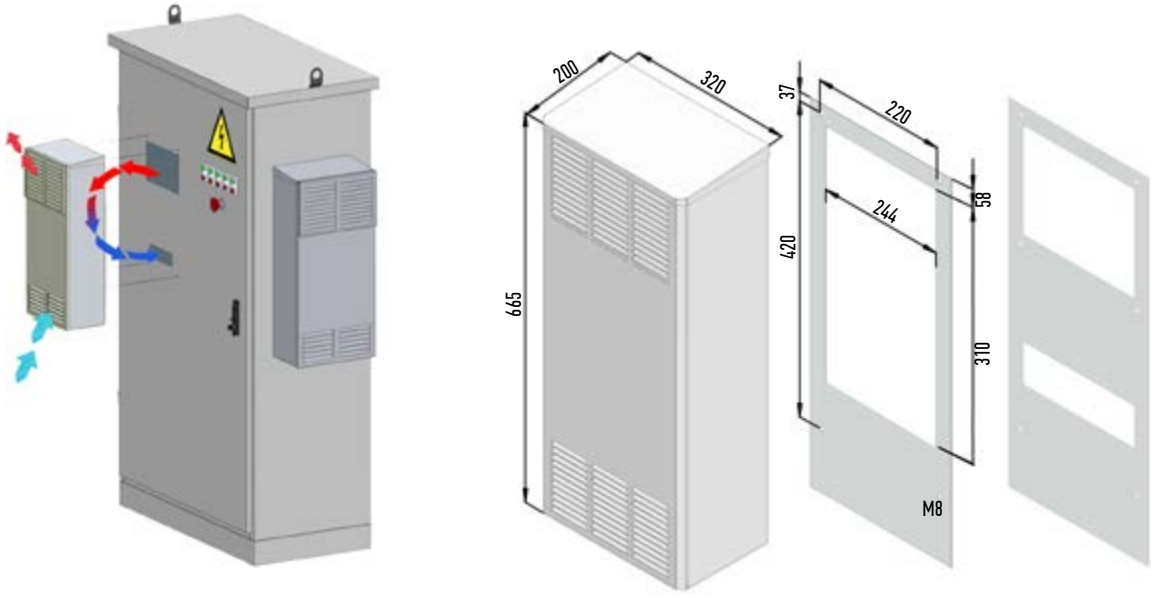
OUTDOOR COOLERS

Outdoor Enclosure Cooler, It is an Enclosure Cooler System which is developed and produced for the outdoor cabinets. Atmospheric products are for the outdoor enclosures like telecom, communications, security systems(mobese) etc.



500

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

SVK O-500

Cooling Capacity (L35 / L35)	450 W
Type Of Refrigerant	R 134a
Amount Of Refrigerant	290 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	540 m³/h
Internal Circuit	290 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	312 W
Current Cooling ON	1.6 A
Starting / High-Current (RLA / LRA)	2.3 A / 5.4 A
Weight	20 kg
Height x Width x Depth mm	665 x 320 x 200
Corrosion Protection (cover)	Painted Steel (Ral-7035)
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Danfoss-Secop
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



450 Watt

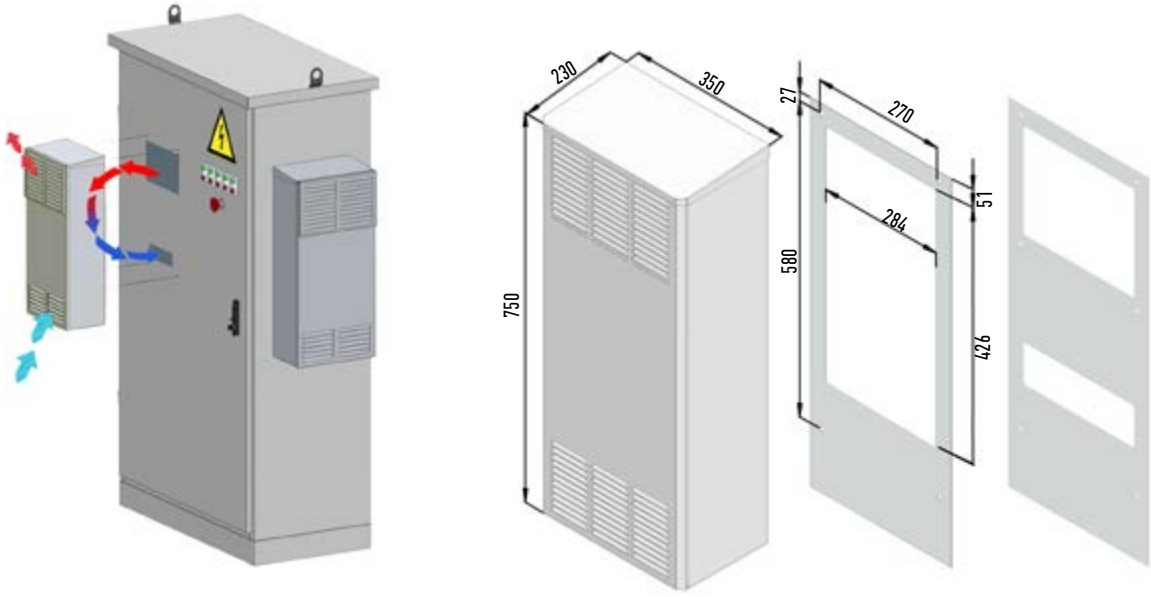
Cooling Capacity

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



1000

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

SVK O-1000

Cooling Capacity (L35 / L35)	1000 W
Type Of Refrigerant	R 134a
Amount Of Refrigerant	380 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	540 m³/h
Internal Circuit	540 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	530 W
Current Cooling ON	2.4 A
Starting / High-Current (RLA / LRA)	3.4 A / 13.5 A
Weight	35 kg
Height x Width x Depth mm	750 X 350 X 230
Corrosion Protection (cover)	Painted Steel (Ral-7035)
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Danfoss-Secop
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



1000 Watt

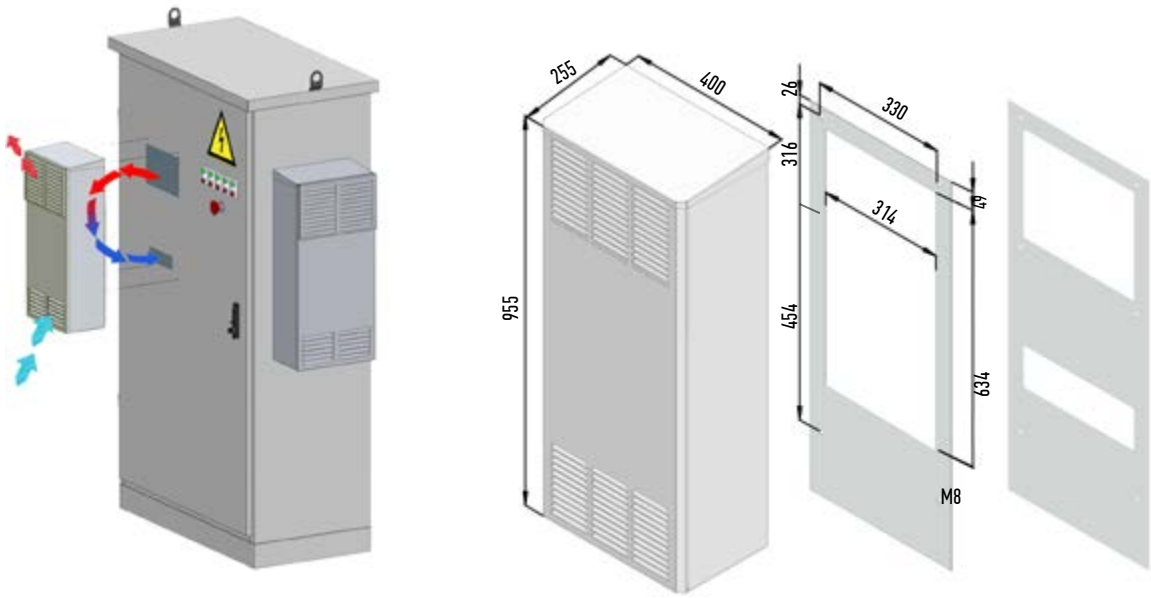
Cooling Capacity

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



2000

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

SVK O-2000

Cooling Capacity (L35 / L35)	1700 W
Type Of Refrigerant	R 134a
Amount Of Refrigerant	520 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	945 m³/h
Internal Circuit	945 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	740 W
Current Cooling ON	3.4 A
Starting / High-Current (RLA / LRA)	4.4 A
Weight	40 kg
Height x Width x Depth mm	955 x 400 x 255
Corrosion Protection (cover)	Painted Steel (Ral-7035)
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Danfoss-Secop
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



1700 Watt

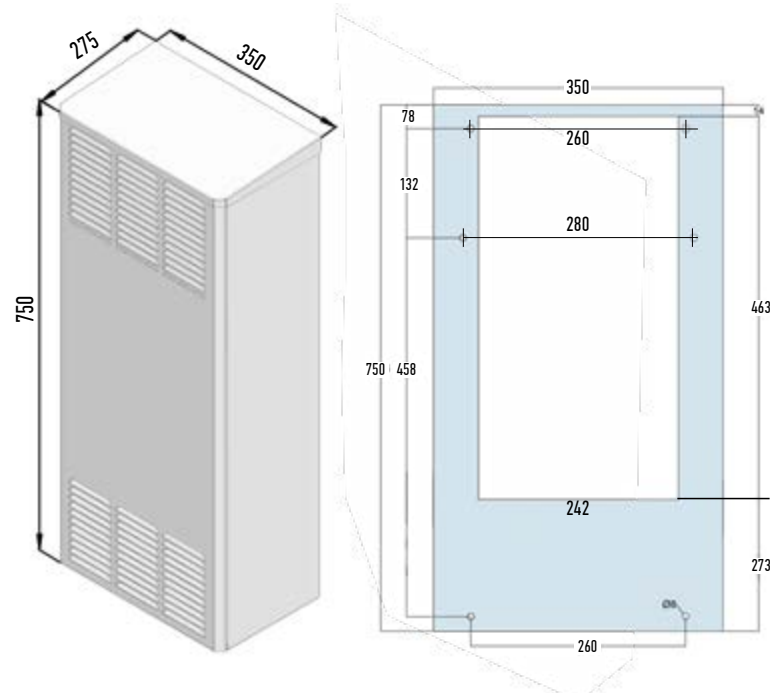
Cooling Capacity

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



➤ O 1000 nts

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

SVK O-1000 nts

Cooling Capacity (L35 / L35)	1000 W
Type Of Refrigerant	R 134a
Amount Of Refrigerant	420 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	540 m³/h
Internal Circuit	540 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	530 W
Current Cooling ON	2.4 A
Starting / High-Current (RLA / LRA)	3.4 A / 13.5 A
Weight	35 kg
Height x Width x Depth mm	750 X 350 X 275
Corrosion Protection (cover)	Painted Steel (Ral-7035)
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Danfoss-Secop
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



900 Watt

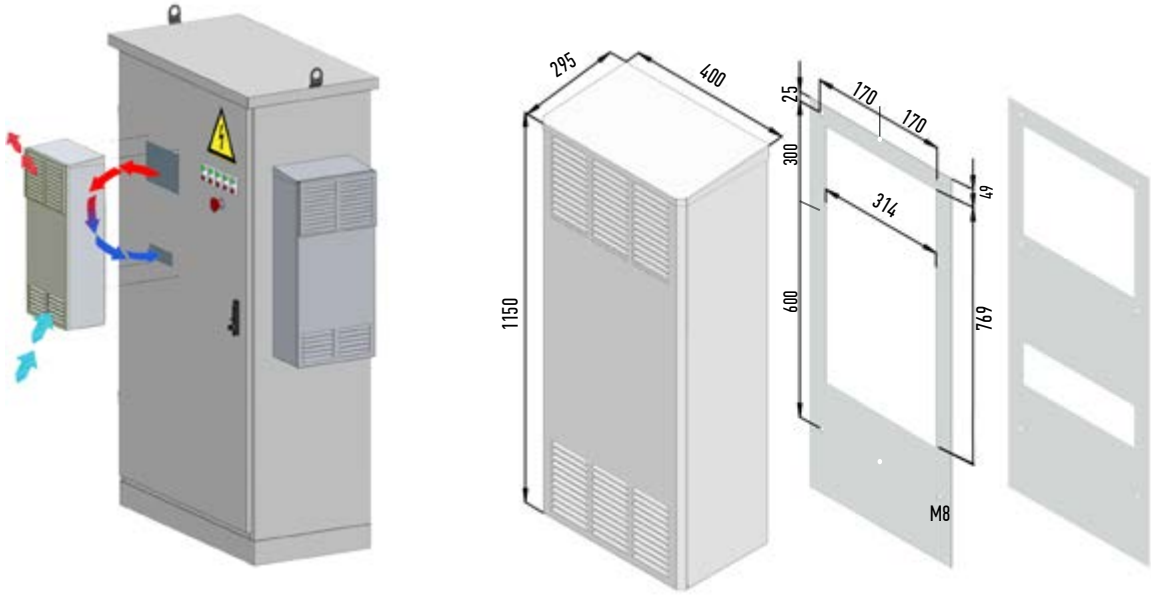
Cooling Capacity

- Wall Mount / Outdoor Type
- Low Noise Level (54 dB)
- A Class Equipment
- Large Space Between Fins of Condanser Unit



3000

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

SVK O-3000

Cooling Capacity (L35 / L35)	2700 W
Type Of Refrigerant	R 134a
Amount Of Refrigerant	670 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	1175 m³/h
Internal Circuit	945 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	1250 W
Current Cooling ON	5.7 A
Starting / High-Current (RLA / LRA)	6.2 A
Weight	53 kg
Height x Width x Depth mm	1150 X 400 X 295
Corrosion Protection (cover)	Painted Steel (Ral-7035)
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



2700 Watt

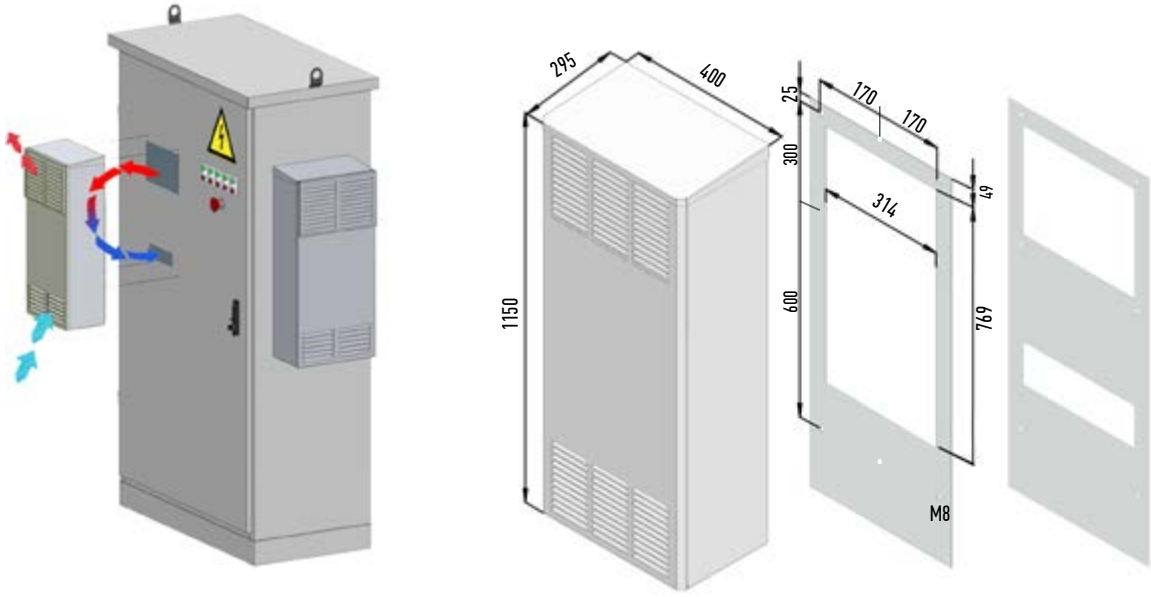
Cooling Capacity

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



» O 3000 HT

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

SVK O-3000 HT

Cooling Capacity (L35 / L35)	2700 W
Heater Capacity	1500 W
Type Of Refrigerant	R 134a
Amount Of Refrigerant	670 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	1175 m³/h
Internal Circuit	945 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	1250 W
Current Cooling ON	5.7 A
Starting / High-Current (RLA / LRA)	6.2 A
Weight	53 kg
Height x Width x Depth mm	1150 X 400 X 295
Corrosion Protection (cover)	Painted Steel (Ral-7035)
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU

Enclosure Cooler
with
Internal Heater



2700 Watt

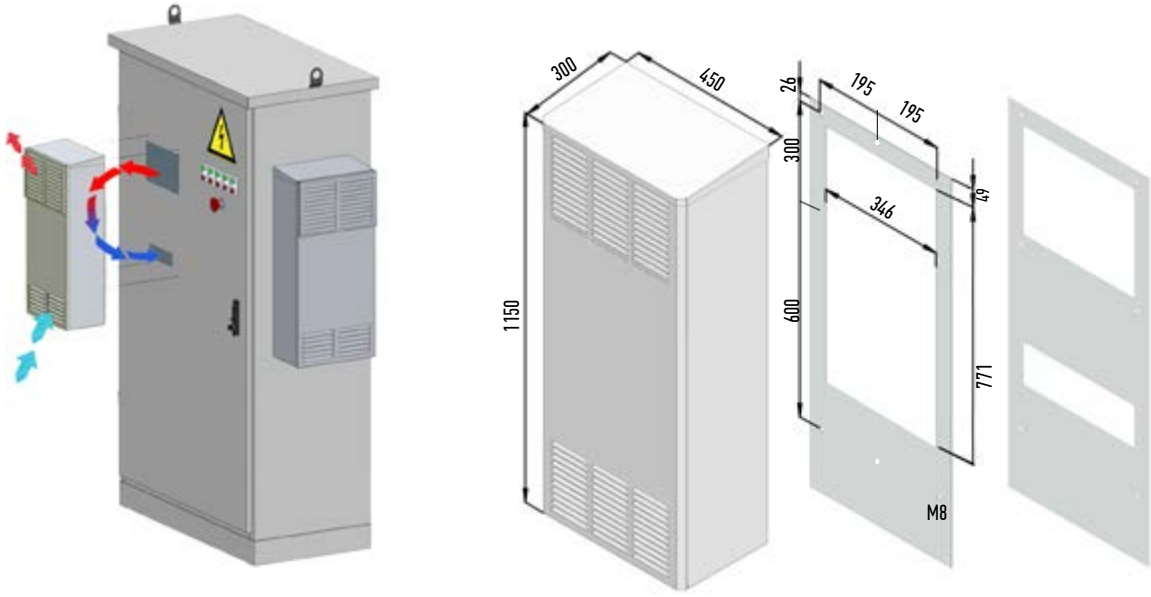
Cooling Capacity

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit
- Temperature Controlled Internal Heater



» O 4000

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

SVK O-4000

Cooling Capacity (L35 / L35)	3700 W
Type Of Refrigerant	R 134a
Amount Of Refrigerant	950 gr
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	1425 m³/h
Internal Circuit	945 m³/h
Rated Frequency	50/60 Hz
Input Voltage	380 V - 415 V
Power Absorbed L35 L35	880 W
Current Cooling ON	2.6 A
Starting / High-Current (RLA / LRA)	4.0 A
Weight	60 kg
Height x Width x Depth mm	1150 X 450 X 300
Corrosion Protection (cover)	Painted Steel (Ral-7035)
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



3700 Watt

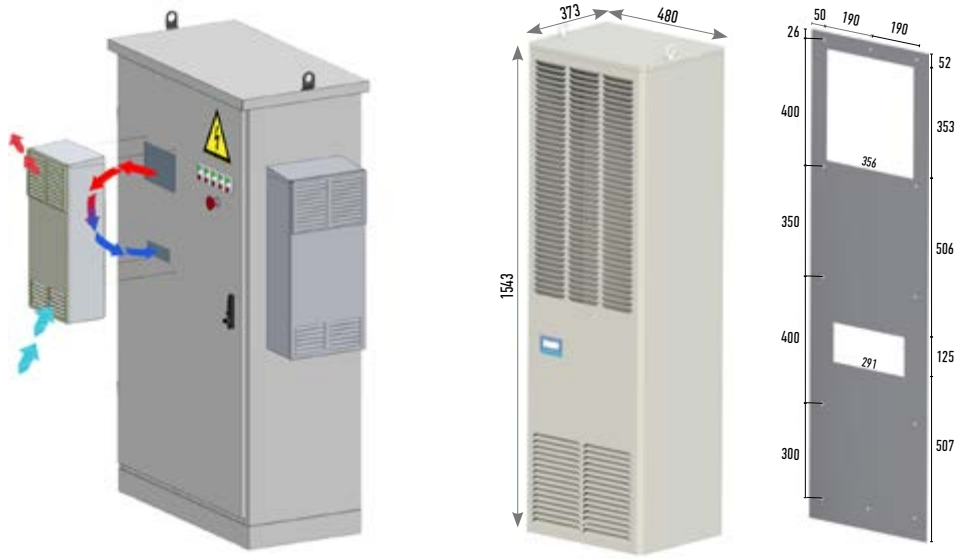
Cooling Capacity

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



6000

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

SVK O-6000

Cooling Capacity (L35 / L35)	5700 W
Type Of Refrigerant	R134A
Amount Of Refrigerant	1400 gr
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	2110 m³/h
Internal Circuit	1425 m³/h
Rated Frequency	50/60 Hz
Input Voltage	380 V - 415 V
Power Absorbed L35 L35	1280 W
Current Cooling ON	3.2 A
Starting / High-Current (RLA / LRA)	4.2 A / 22.0 A
Weight	82 kg
Height x Width x Depth mm	1543 x 480 x 373
Corrosion Protection (cover)	Painted Steel
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



5700 Watt

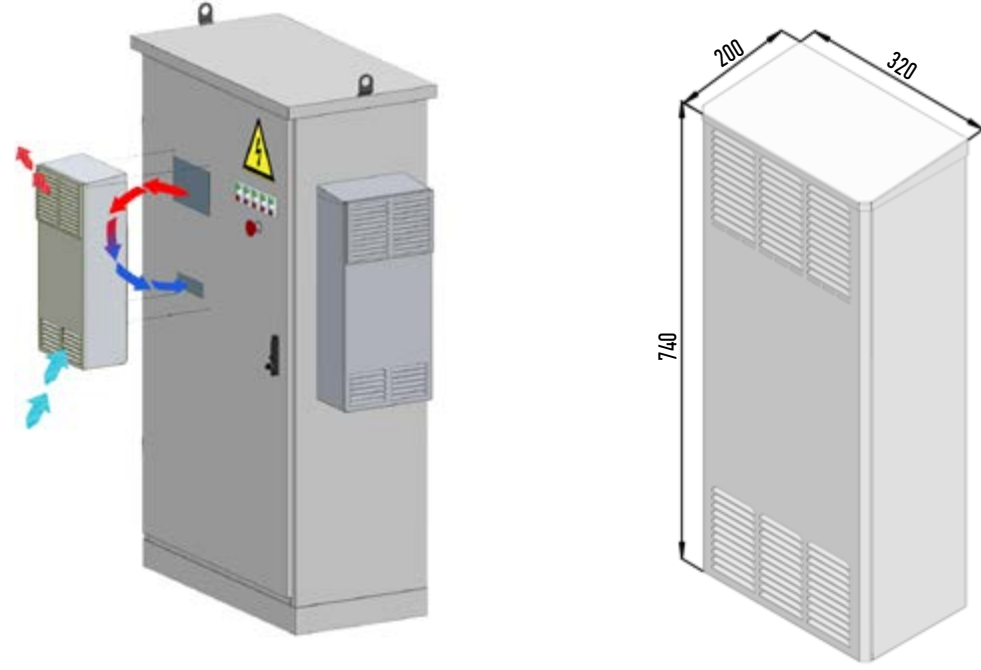
Cooling Capacity

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



500 fco

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

SVK 0-500 fco

Cooling Capacity (L35 / L35)	450 W
Type Of Refrigerant	R134A
Amount Of Refrigerant	290 gr
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	540 m³/h
Internal Circuit	290 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	312 W
Current Cooling ON	1.6 A
Starting / High-Current (RLA / LRA)	2.3 A / 5.4 A
Weight	20 kg
Height x Width x Depth mm	535 x 325 x 205
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Wall Mount
System of Protection	IP 54
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Secop
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore

Enclosure Cooler
with
Free-cooling



500 Watt

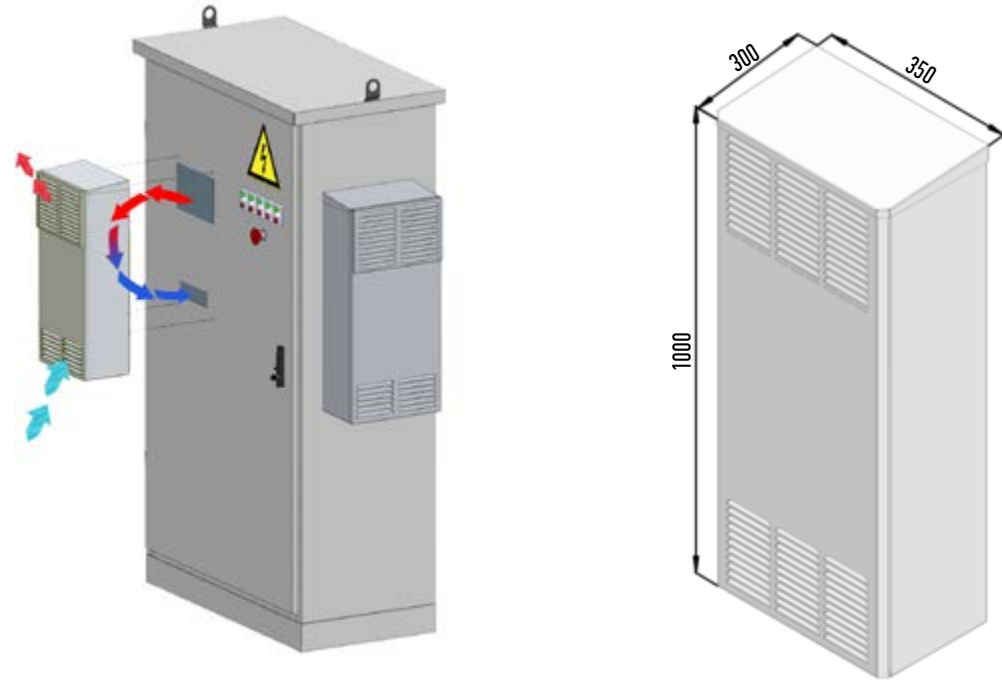
Cooling Capacity

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit
- With Free-Cooling



» O 1000 fco

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

SVK O-1000 fco

Cooling Capacity (L35 / L35)	1000 W
Type Of Refrigerant	R 134a
Amount Of Refrigerant	380 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	540 m³/h
Internal Circuit	540 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	530 W
Current Cooling ON	2.4 A
Starting / High-Current (RLA / LRA)	3.4 A / 13.5 A
Weight	35 kg
Height x Width x Depth mm	750 X 350 X 230
Corrosion Protection (cover)	Painted Steel (Ral-7035)
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Danfoss-Secop
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore

Enclosure Cooler
with
Free-cooling



1000 Watt

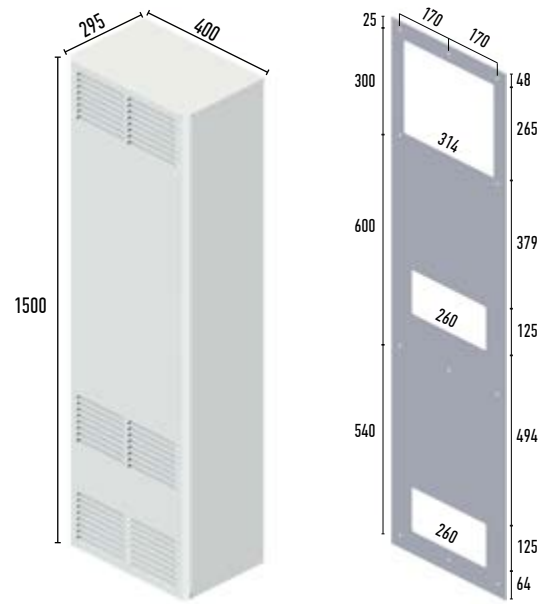
Cooling Capacity

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit
- With Free-Cooling



SVK O-3000 fco

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

SVK O-3000 fco

Cooling Capacity (L35 / L35)	2700 W
Type Of Refrigerant	R 134a
Amount Of Refrigerant	670 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	1175 m³/h
Internal Circuit	945 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	1250 W
Current Cooling ON	5.7 A
Starting / High-Current (RLA / LRA)	6.2 A
Weight	53 kg
Height x Width x Depth mm	1500 X 400 X 295
Corrosion Protection (cover)	Painted Steel (Ral-7035)
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore

Enclosure Cooler
with
Free-cooling



2700 Watt

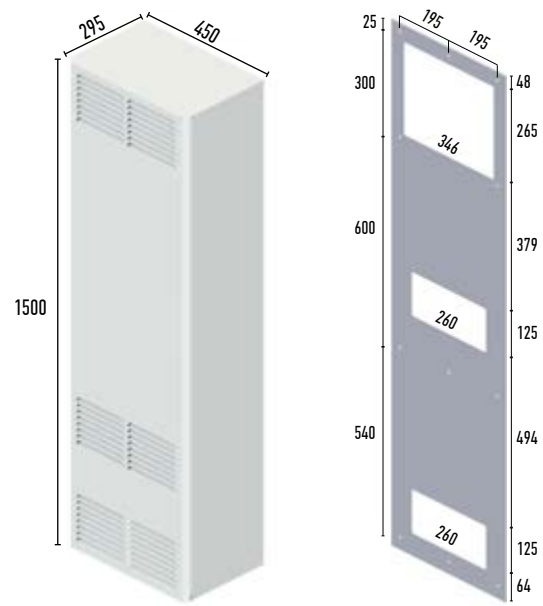
Cooling Capacity

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit
- With Free-Cooling



» O 4000 fco

OUTDOOR ENCLOSURE COOLER



TECHNICAL DETAILS

Cooling Capacity (L35 / L35)	3700 W
Type Of Refrigerant	R 134a
Amount Of Refrigerant	950 gr
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	1425 m³/h
Internal Circuit	945 m³/h
Rated Frequency	50/60 Hz
Input Voltage	380 V - 415 V
Power Absorbed L35 L35	880 W
Current Cooling ON	2.6 A
Starting / High-Current (RLA / LRA)	4.0 A
Weight	60 kg
Height x Width x Depth mm	1500 X 450 X 295
Corrosion Protection (cover)	Painted Steel (Ral-7035)
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore

SVK O-4000 fco

Enclosure Cooler
with
Free-cooling



3700 Watt

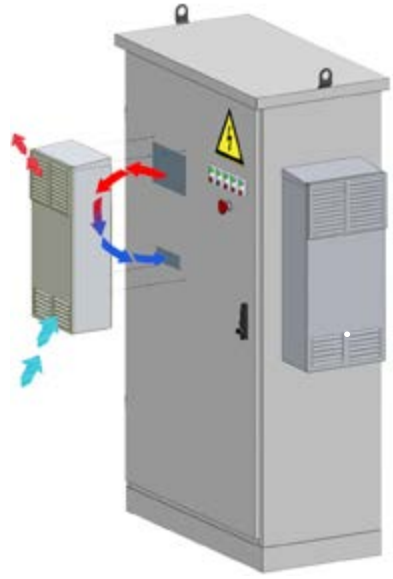
Cooling Capacity

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit
- With Free-Cooling



O 4000 ML

ENCLOSURE COOLER



TECHNICAL DETAILS

SVK O-4000 ML

Cooling Capacity (L35 / L35)	3700 W
Type Of Refrigerant	R 134a
Amount Of Refrigerant	950 gr
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	1425 m³/h
Internal Circuit	1175 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	1500 W
Current Cooling ON	6.8 A
Starting / High-Current (RLA / LRA)	10.2 A
Weight	66 kg
Height x Width x Depth mm	1060 X 450 X 290
Corrosion Protection (cover)	Painted Steel (Ral-7035)
Orientation	Wall Mount
System of Protection	IP55 / IP65
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



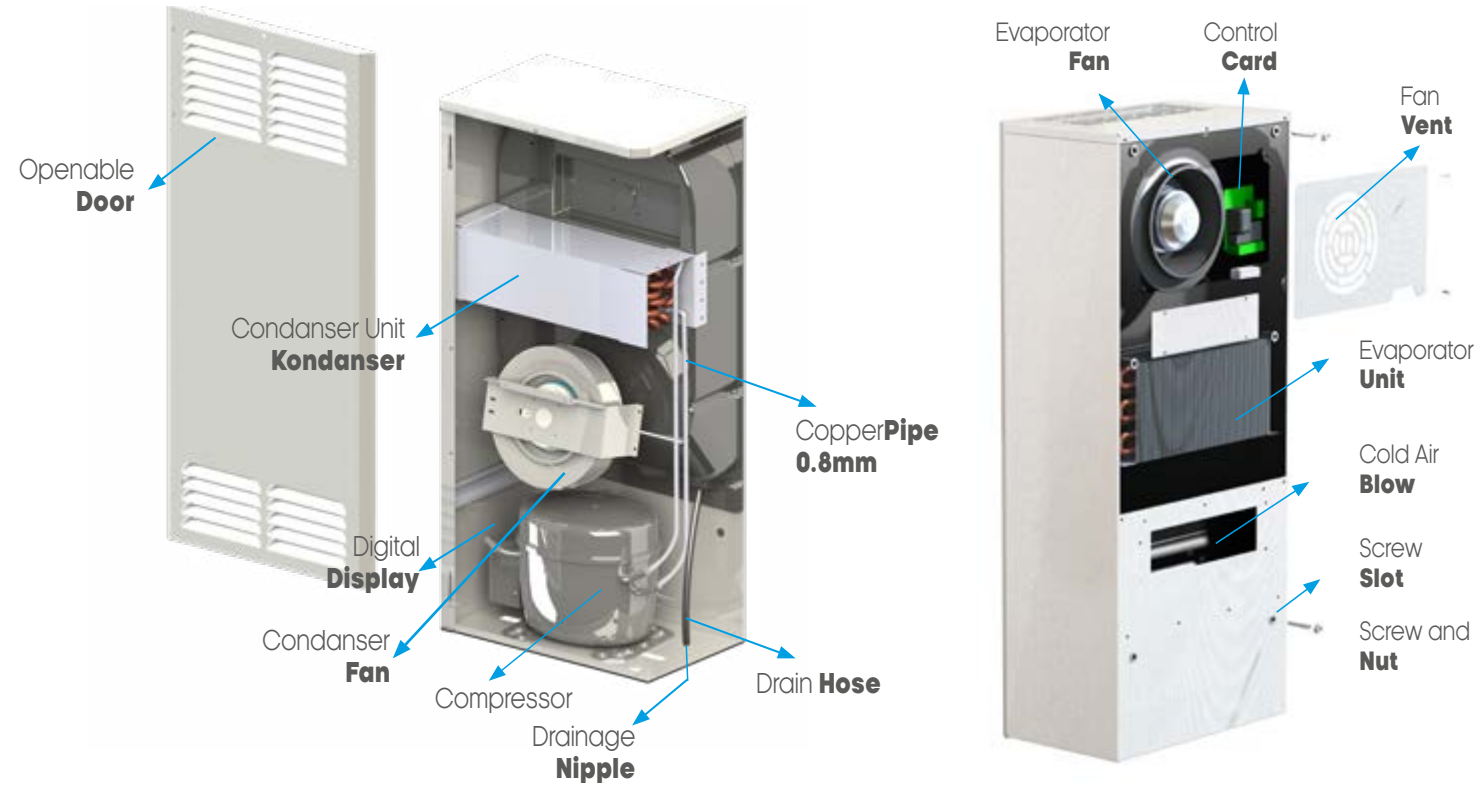
3700 Watt

For Military Conditions

- Wall Mount / Outdoor Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



PRODUCT PARTS



PRODUCT DESCRIPTION

- 1- Openable cover, Easy Maintenance
- 2- Smart digital display and Smart electronic control
- 3- Remote control with Ethernet and RS485 Communication
- 4- Door switch connection
- 5- Fault warning system/dry contact; faults can be read on PLC or 220 V output
- 6- Three-sensor protection; Advance information feature for maintenance
- 7- Steel out body, modern design. Stainless or painted (optional)

ELECTRONIC CONTROL

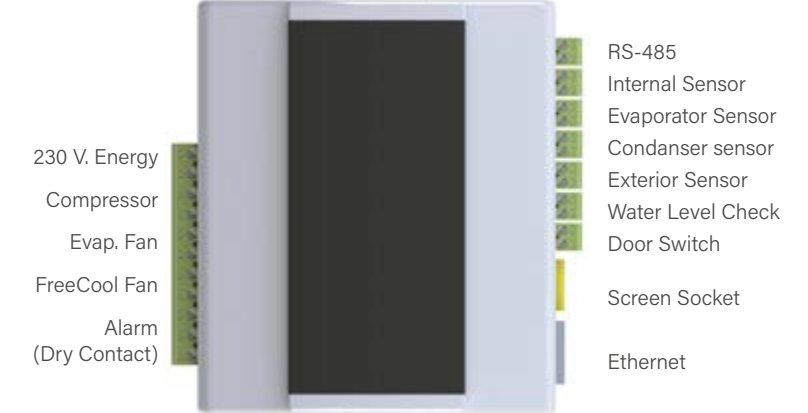


DISPLAY



ETHERNET

CONTROL BOARDS



INSTALLATION

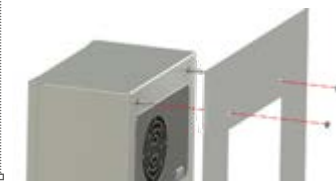
01 TEMPLATE



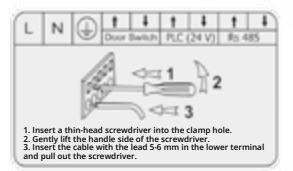
02 CUTTING



03 FIXING



04 ENERGY





ROOF TYPE SOLUTION



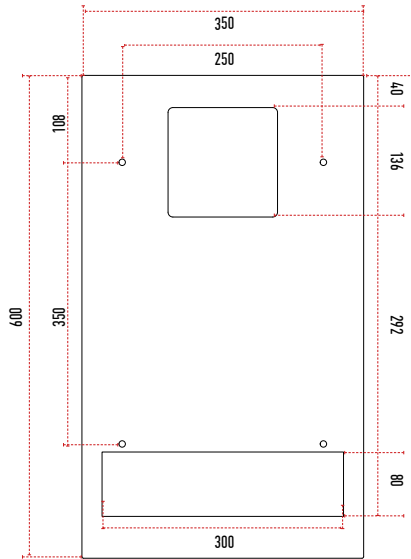
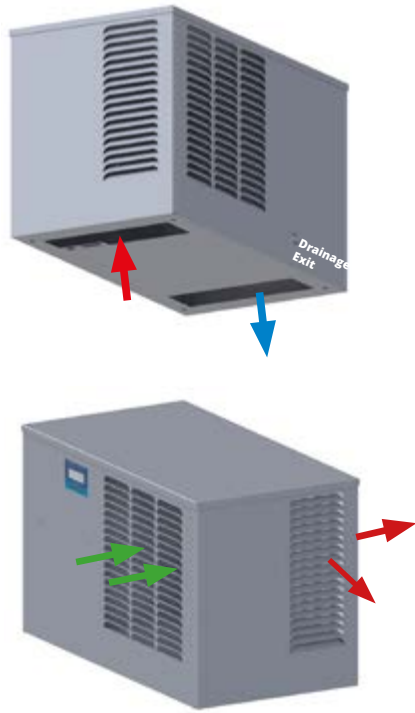
TOP MOUNT COOLERS

Summer months approaches, temperature rises in enclosure cabinets (approximately 45-60°C) With this increase, unscheduled downtime is inevitable. Against to this expected and said "I'M COMING" danger, precautions to be taken is our enclosure cabinet coolers.



T 500

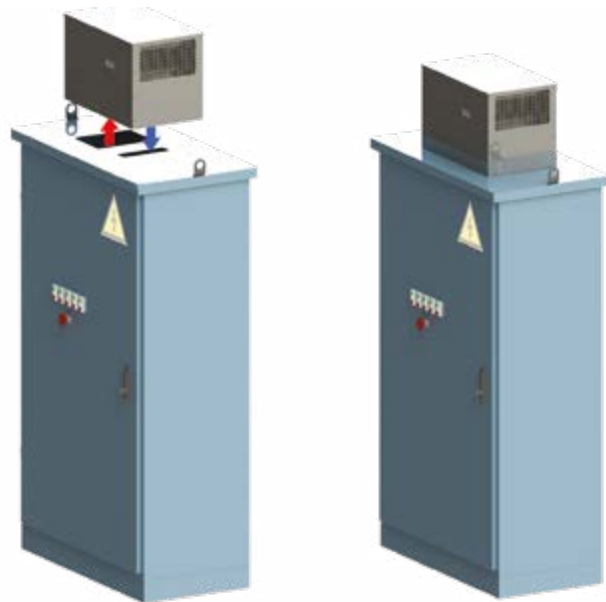
ENCLOSURE COOLER



TECHNICAL DETAILS

T 500

Cooling Capacity (L35 / L35)	450 W
Type Of Refrigerant	R134A
Amount Of Refrigerant	290 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	540 m³/h
Internal Circuit	290 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	312 W
Current Cooling ON	1.6 A
Starting / High-Current (RLA / LRA)	2.3 A / 5.4 A
Weight	22 kg
Height x Width x Depth mm	340 X 620 X 350
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Roof Type
System of Protection	IP54
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Secop
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



450 Watt

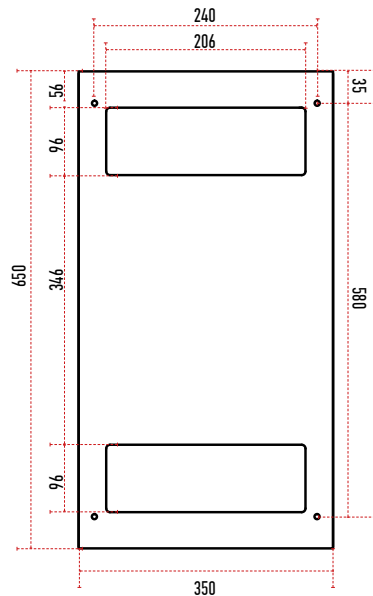
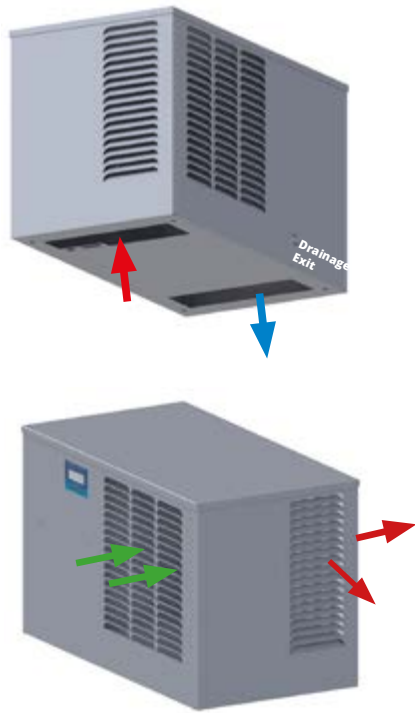
Cooling Capacity

- Top Mount / Roof Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



T 1000

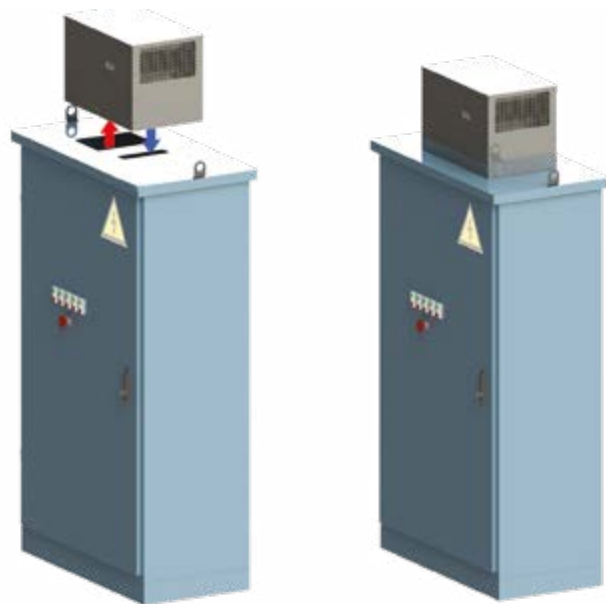
ENCLOSURE COOLER



TECHNICAL DETAILS

T 1000

Cooling Capacity (L35 / L35)	1000 W
Type Of Refrigerant	R134A
Amount Of Refrigerant	420 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	1005 m³/h
Internal Circuit	540 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	530 W
Current Cooling ON	2.4 A
Starting / High-Current (RLA / LRA)	3.4 A / 13.5 A
Weight	30 kg
Height x Width x Depth mm	355 X 650 X 350
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Roof Type
System of Protection	IP 54
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Secop
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



1000 Watt

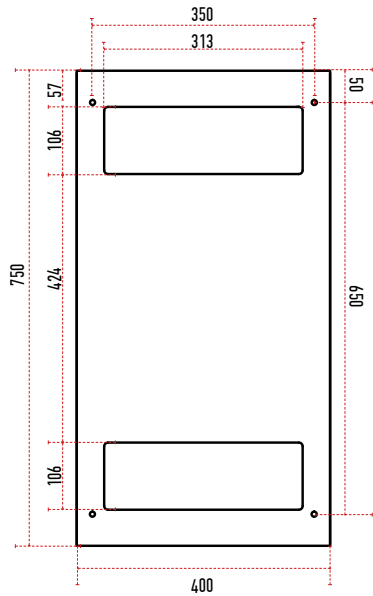
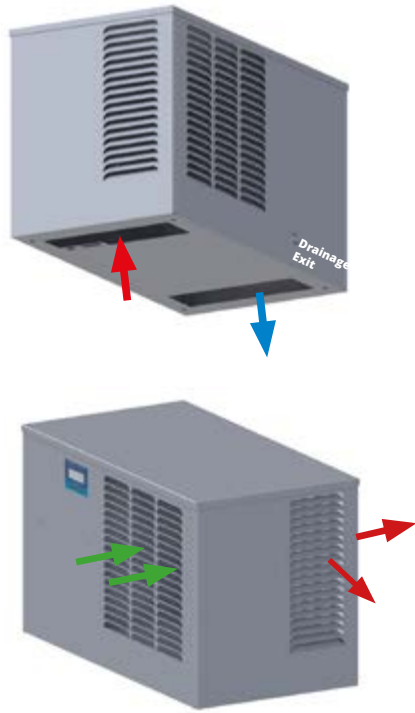
Cooling Capacity

- Top Mount / Roof Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



T 2000

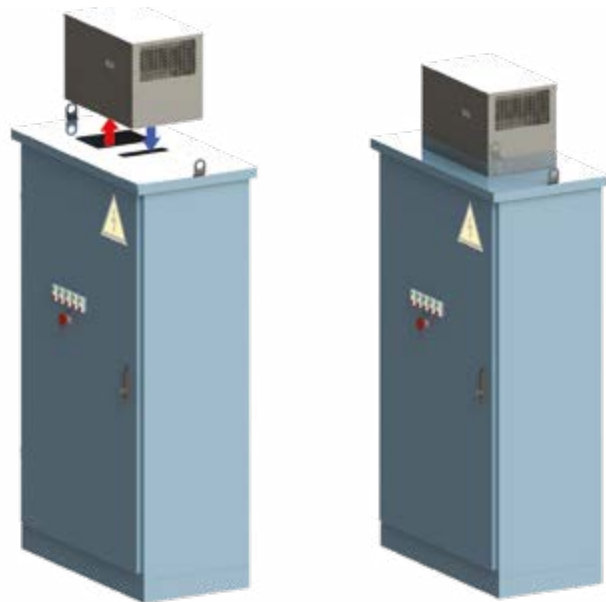
ENCLOSURE COOLER



TECHNICAL DETAILS

Cooling Capacity (L35 / L35)	1700 W
Type Of Refrigerant	R134A
Amount Of Refrigerant	600 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	1005 m³/h
Internal Circuit	945 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	860 W
Current Cooling ON	3.9 A
Starting / High-Current (RLA / LRA)	4.9 A / 19.0 A
Weight	43 kg
Height x Width x Depth mm	460 X 750 X 400
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Roof Type
System of Protection	IP 54
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Secop
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore

T 2000



1700 Watt

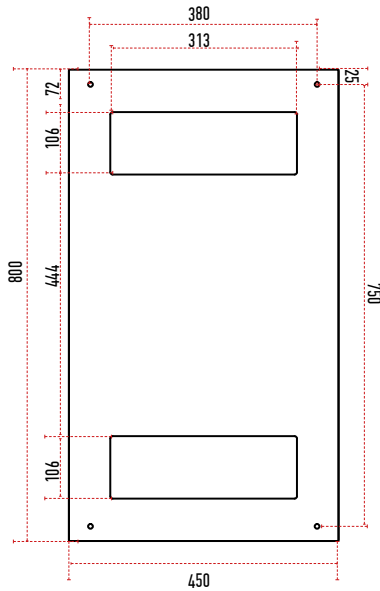
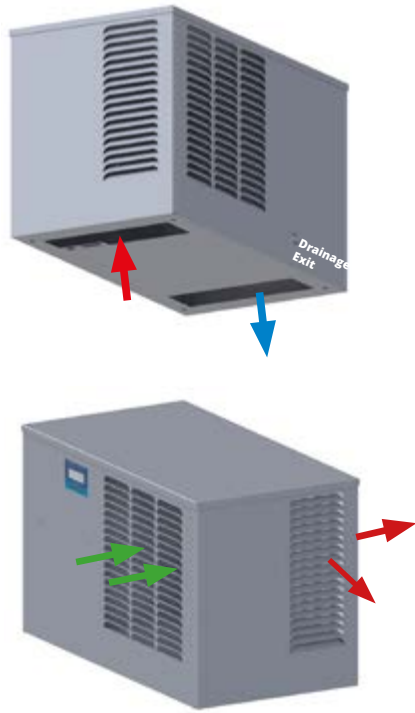
Cooling Capacity

- Top Mount / Roof Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



T 3000

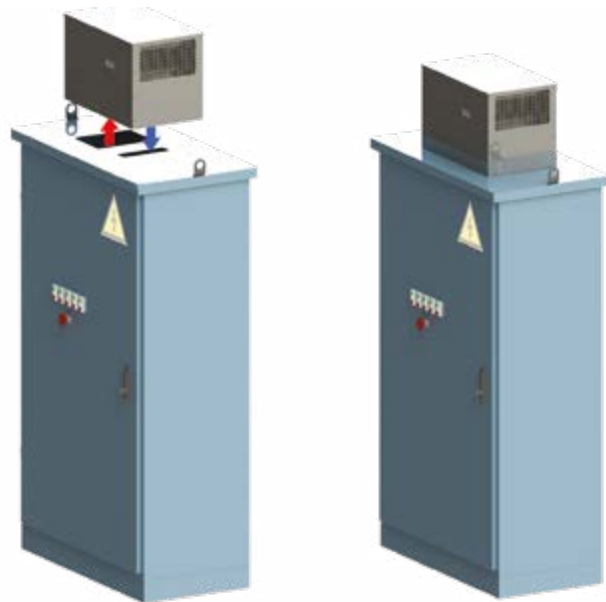
ENCLOSURE COOLER



TECHNICAL DETAILS

Cooling Capacity (L35 / L35)	2700 W
Type Of Refrigerant	R134a
Amount Of Refrigerant	700 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	1800 m³/h
Internal Circuit	945 m³/h
Rated Frequency	50/60 Hz
Input Voltage	380 V - 415 V
Power Absorbed L35 L35	1250 W
Current Cooling ON	5.7 A 2.6 A
Starting / High-Current (RLA / LRA)	6.2 A /25.0 A 4.0 A/10.5 A
Weight	53 kg
Height x Width x Depth mm	460 X 800 X 450
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Roof Type
System of Protection	IP 54
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore

T 3000



2700 Watt

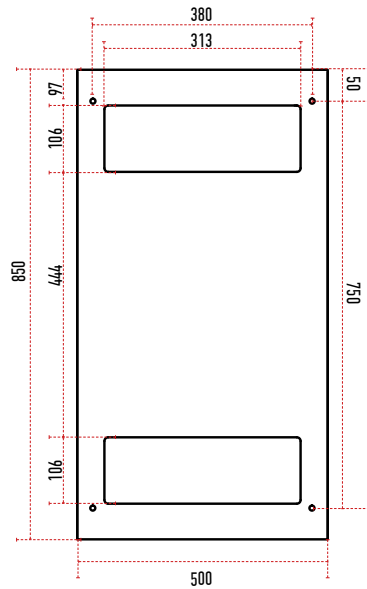
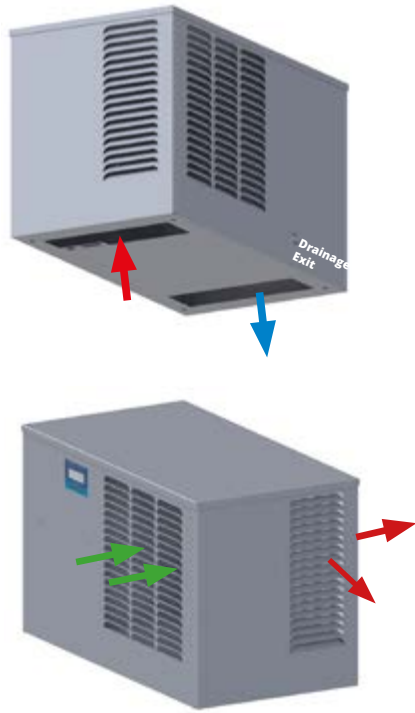
Cooling Capacity

- Top Mount / Roof Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



T 4000

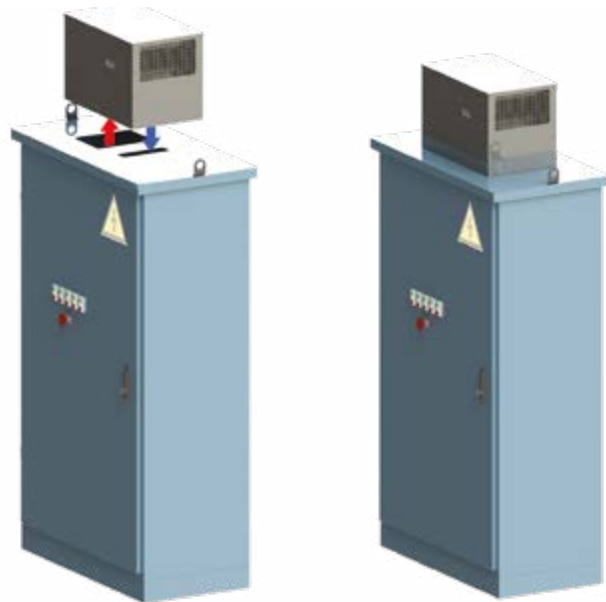
ENCLOSURE COOLER



TECHNICAL DETAILS

Cooling Capacity (L35 / L35)	3700 W
Type Of Refrigerant	R134a
Amount Of Refrigerant	950 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	1800 m³/h
Internal Circuit	945 m³/h
Rated Frequency	50/60 Hz
Input Voltage	380 V - 415 V
Power Absorbed L35 L35	1040 W
Current Cooling ON	2.6 A
Starting / High-Current (RLA / LRA)	4.0 A / 13.0 A
Weight	60 kg
Height x Width x Depth mm	455 X 850 X 500
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Roof Type
System of Protection	IP 54
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore

T 4000



3700 Watt

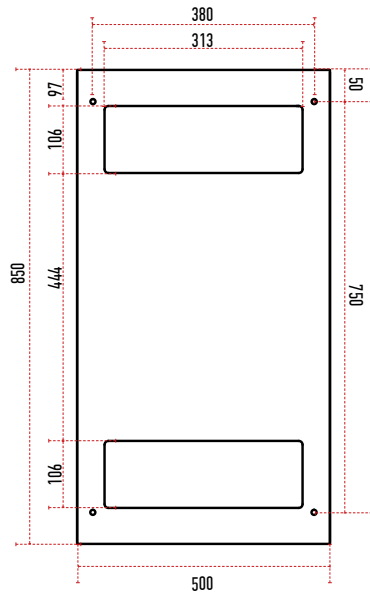
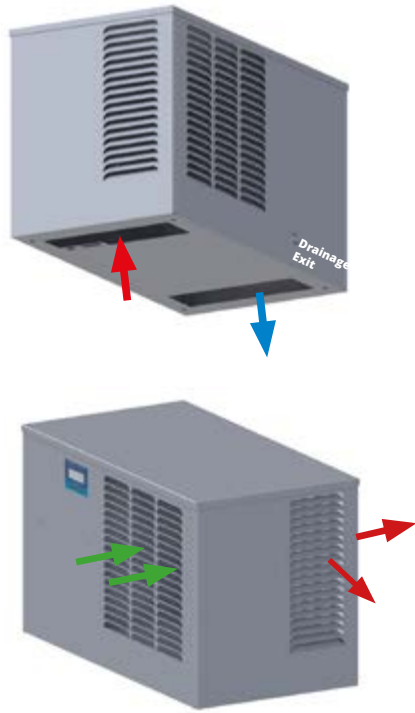
Cooling Capacity

- Top Mount / Roof Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



T 6000

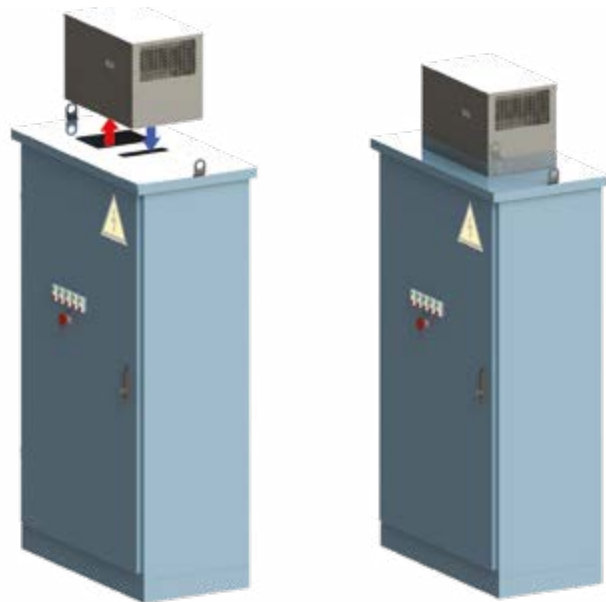
ENCLOSURE COOLER



TECHNICAL DETAILS

T 6000

Cooling Capacity (L35 / L35)	5700 W
Type Of Refrigerant	R134a
Amount Of Refrigerant	1600 g
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	3305 m³/h
Internal Circuit	1470 m³/h
Rated Frequency	50/60 Hz
Input Voltage	380 V - 415 V
Power Absorbed L35 L35	1280 W
Current Cooling ON	3.2 A
Starting / High-Current (RLA / LRA)	4.2 A / 22.0 A
Weight	91 kg
Height x Width x Depth mm	550 X 960 X 500
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Roof Type
System of Protection	IP 54
Ambient Air Temperature	-20 °C ... +55 °C
Compressor	Embraco
Fans	EbmPapst
Communication Options	EtherNet/IP , ModBus TCP or RTU
Mobile Control	GooglePlay - AppStore



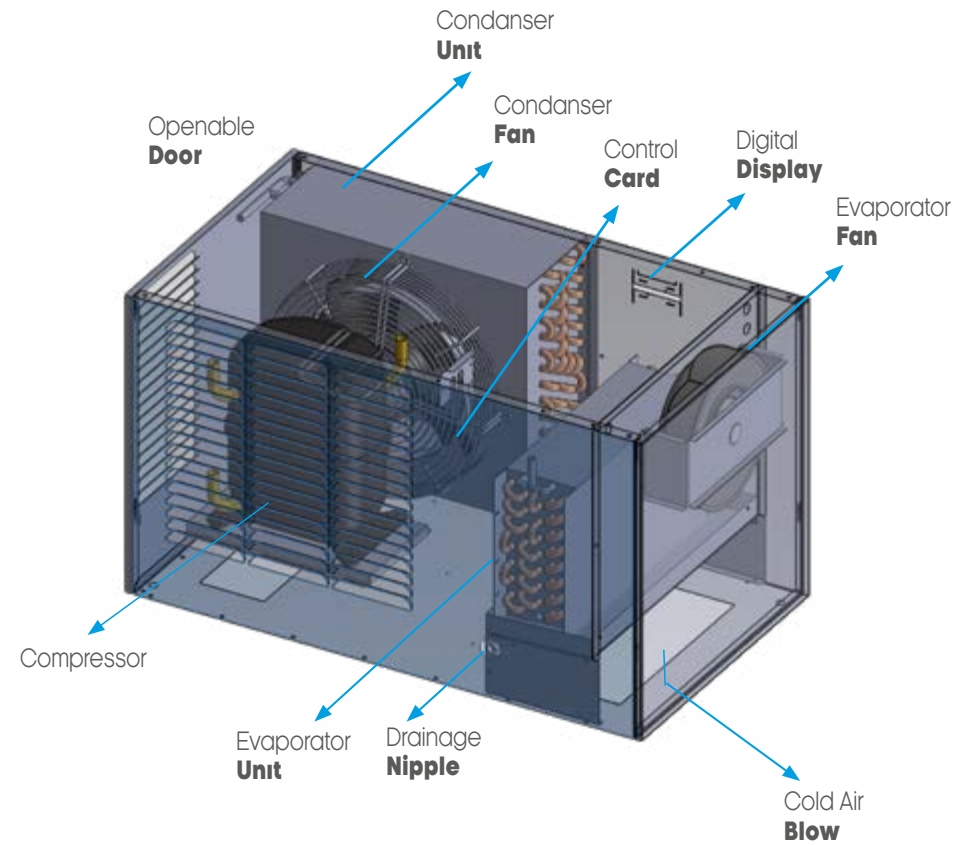
5700 Watt

Cooling Capacity

- Top Mount / Roof Type
- Digital Smart Controller
- A Class Equipment
- Large Space Between Fins of Condanser Unit



PRODUCT PARTS



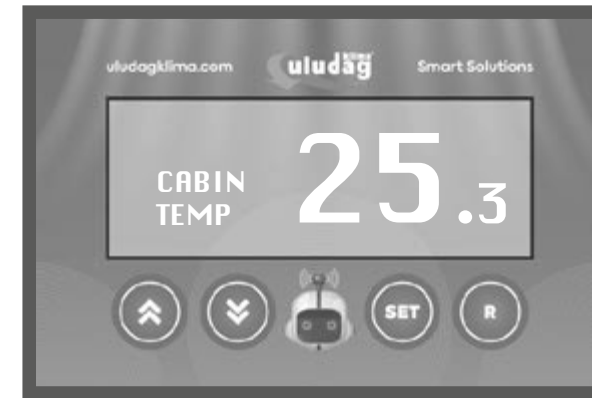
PRODUCT DESCRIPTION

- 1- Openable cover, Easy Maintenance
- 2- Smart digital display and Smart electronic control
- 3- Remote control with Ethernet and RS485 Communication
- 4- Door switch connection
- 5- Fault warning system/dry contact; faults can be read on PLC or 220 V output
- 6- Three-sensor protection; Advance information feature for maintenance
- 7- Steel out body, modern design. Stainless or painted (optional)

ELECTRONIC CONTROL

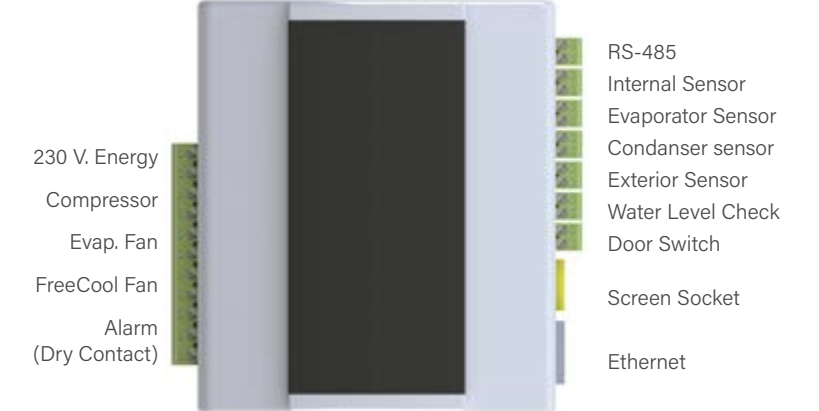


DISPLAY



ETHERNET

CONTROL BOARDS



INSTALLATION

- 01 TEMPLETE
- 02 CUTTING
- 03 FIXING
- 04 ENERGY



COOLING BY THE WATER



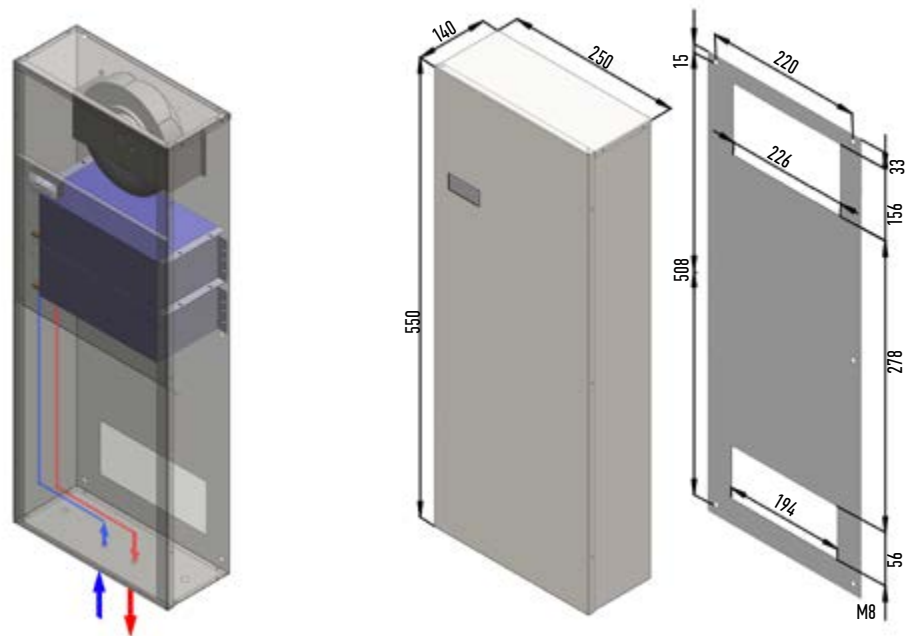
WATER/AIR HEAT EXCHANGER

The Water/Air Heat Exchanger is an efficient and eco-friendly solution designed for cooling cabinets in industrial environments. Unlike traditional cooling systems, it operates without a compressor or refrigerant gas, making it exceptionally low-maintenance and cost-effective. By utilizing the factory's existing cold water supply, the exchanger transfers cooling energy to lower the temperature inside the panel. It is especially advantageous in facilities located in high-temperature regions. Equipped with an electronic thermostat and valve system, the unit automatically regulates water flow based on internal temperature—minimizing energy consumption when cooling is not needed.



EXC 1000

WATER / AIR HEAT EXCHANGER



TECHNICAL DETAILS

	EXC 1000
Cooling Capacity ($\Delta T=25^{\circ}\text{C}$)	900 W
Type Of Refrigerant	Without Gas
Max. Water Pessure	1000 kPa
Adjustability Range	15 $^{\circ}\text{C}$...35 $^{\circ}\text{C}$
Hysteresis	4 $^{\circ}\text{C}$
External Circuit	- -
Internal Circuit	540 m ³ /h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	79 W
Current Cooling ON	0.36 A
Water Flow	150 lt/h
Weight	7 kg
Height x Width x Depth mm	550 x 248 x 140
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Wall Mount
System of Protection	IP 54
Ambient Air Temperature	-20 $^{\circ}\text{C}$... +60 $^{\circ}\text{C}$
Compressor	Without Compressor
Fans	EbmPapst



900 Watt

Water/Air Heat Exchanger

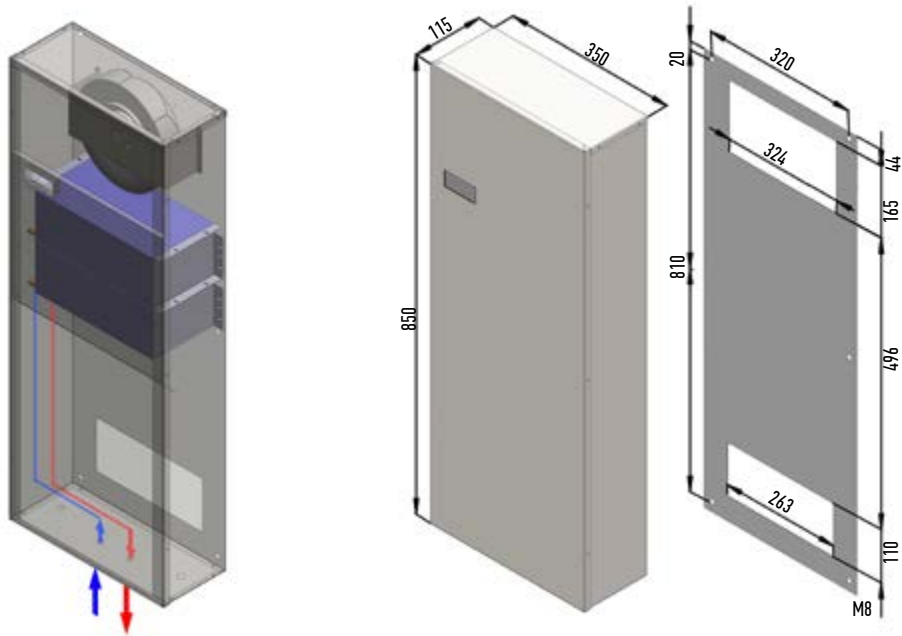
- **No refrigerant gas** – eco-friendly and leak-free
- **No compressor** – quiet operation and low maintenance
- **Low energy consumption** – saves operational costs
- **Automatic control** – smart thermostat and valve reduce water use
- **Ideal for hot environments** – performs well even in high ambient temperatures





EXC 2000

WATER / AIR HEAT EXCHANGER



TECHNICAL DETAILS

	EXC 2000
Cooling Capacity ($\Delta T=25^{\circ}\text{C}$)	2000 W
Type Of Refrigerant	Without Gas
Max. Water Pessure	1000 kPa
Adjustability Range	15 $^{\circ}\text{C}$...35 $^{\circ}\text{C}$
Hysteresis	4 $^{\circ}\text{C}$
External Circuit	- -
Internal Circuit	945 m ³ /h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	80 W
Current Cooling ON	0.36 A
Water Flow	200 lt/h
Weight	19 kg
Height x Width x Depth mm	850 x 350 x 115
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Wall Mount
System of Protection	IP 54
Ambient Air Temperature	-20 $^{\circ}\text{C}$... +60 $^{\circ}\text{C}$
Compressor	Without Compressor
Fans	EbmPapst



2000 Watt

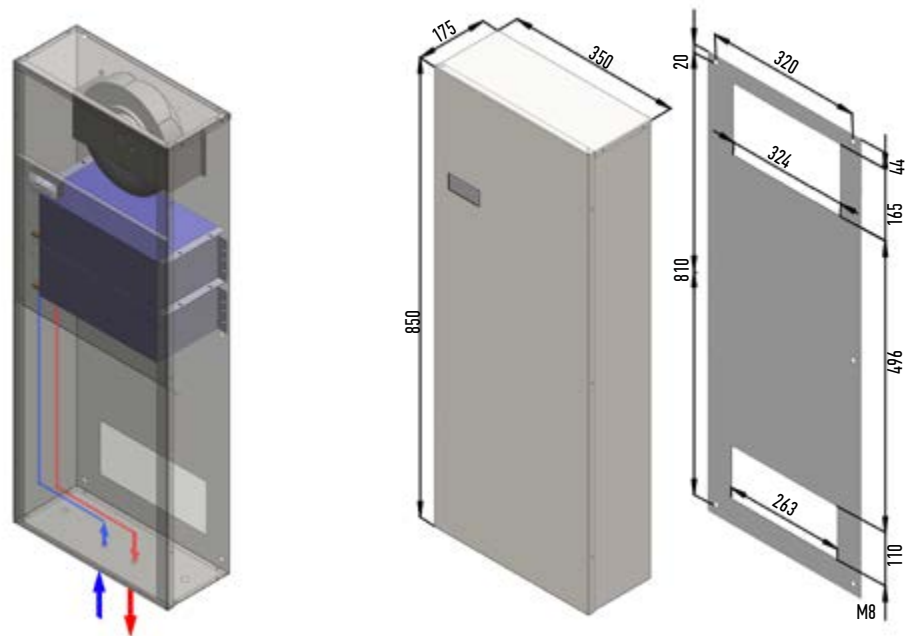
Water / Air Heat Exchanger

- **No refrigerant gas** – eco-friendly and leak-free
- **No compressor** – quiet operation and low maintenance
- **Low energy consumption** – saves operational costs
- **Automatic control** – smart thermostat and valve reduce water use
- **Ideal for hot environments** – performs well even in high ambient temperatures



EXC 3000

WATER / AIR HEAT EXCHANGER



TECHNICAL DETAILS

	EXC 3000
Cooling Capacity ($\Delta T=25^{\circ}\text{C}$)	3100 W
Type Of Refrigerant	Without Gas
Max. Water Pessure	1000 kPa
Adjustability Range	15 $^{\circ}\text{C}$...35 $^{\circ}\text{C}$
Hysteresis	4 $^{\circ}\text{C}$
External Circuit	- -
Internal Circuit	945 m ³ /h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	79 W
Current Cooling ON	0.36 A
Water Flow	400 lt/h
Weight	25 kg
Height x Width x Depth mm	850 x 350 x 175
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Wall Mount
System of Protection	IP 54
Ambient Air Temperature	-20 $^{\circ}\text{C}$... +60 $^{\circ}\text{C}$
Compressor	Without Compressor
Fans	EbmPapst



3100 Watt

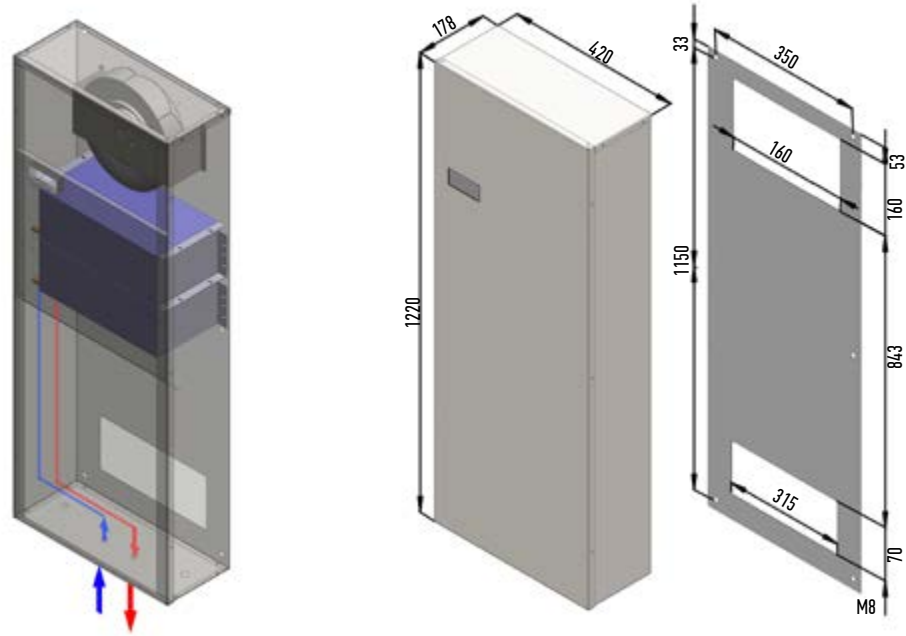
Water/Air Heat Exchanger

- **No refrigerant gas** – eco-friendly and leak-free
- **No compressor** – quiet operation and low maintenance
- **Low energy consumption** – saves operational costs
- **Automatic control** – smart thermostat and valve reduce water use
- **Ideal for hot environments** – performs well even in high ambient temperatures



EXC 6000

WATER / AIR HEAT EXCHANGER



TECHNICAL DETAILS

EXC 6000

Cooling Capacity ($\Delta T=25^{\circ}\text{C}$)	6000 W
Type Of Refrigerant	Without Gas
Max. Water Pessure	1000 kPa
Adjustability Range	15 °C...35 °C
Hysteresis	4 °C
External Circuit	- -
Internal Circuit	1425 m³/h
Rated Frequency	50/60 Hz
Input Voltage	230 V
Power Absorbed L35 L35	202 W
Current Cooling ON	0.92 A
Water Flow	700 lt/h
Weight	39 kg
Height x Width x Depth mm	1220 x 420 x 178
Corrosion Protection (cover)	Stainless or Painted Steel
Orientation	Wall Mount
System of Protection	IP 54
Ambient Air Temperature	-20 °C ... +60 °C
Compressor	Without Compressor
Fans	EbmPapst



6000 Watt

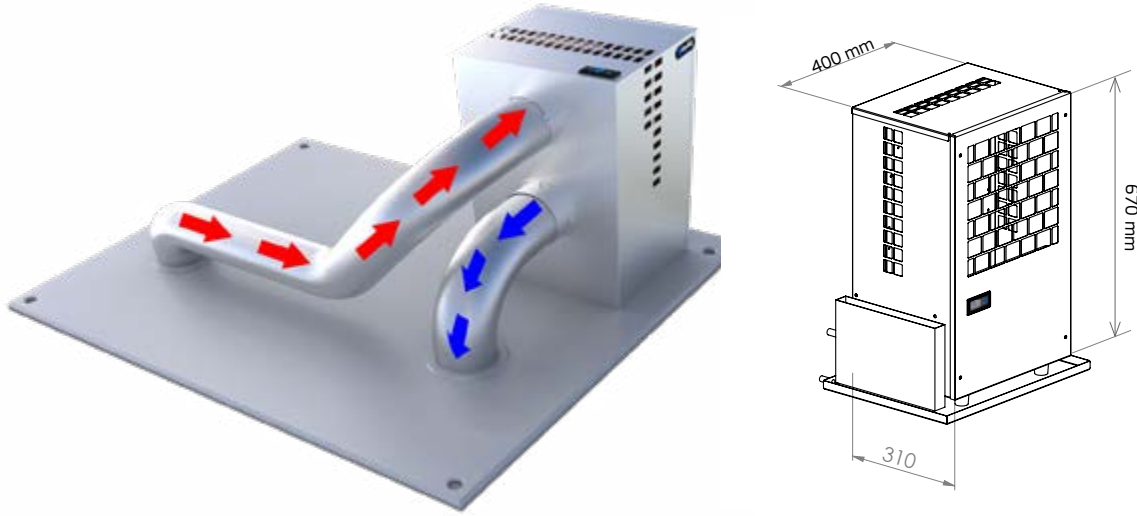
Water/Air Heat Exchanger

- **No refrigerant gas** – eco-friendly and leak-free
- **No compressor** – quiet operation and low maintenance
- **Low energy consumption** – saves operational costs
- **Automatic control** – smart thermostat and valve reduce water use
- **Ideal for hot environments** – performs well even in high ambient temperatures



KA 2000 / 4000

DUCTED TYPE/ SPOT COOLER



TECHNICAL DETAILS

Ka 2000

Ka 4000

Cooling Capacity (L35 / L35)	1700 W	3700 W
Type Of Refrigerant	R 134a	
Amount Of Refrigerant	550 gr	1150 gr
Adjustability Range	15 °C...35 °C	
Hysteresis	4 °C	
External Circuit	1005 m³/h	1800 m³/h
Internal Circuit	540 m³/h	945 m³/h
Rated Frequency	50/60 Hz	
Input Voltage	230 V. AC	400 V. AC
Power Absorbed L35 L35	860 W	1040 W
Current Cooling ON	3.9 A	2.6 A
Starting / High-Current RLA / LRA	4.9 A / 19.0 A	4.0 A / 13.0 A
Weight	33 kg.	65 kg.
Height x Width x Depth mm	670 X 400 X 310	735 X 450 X 480
Corrosion Protection (cover)	Stainless or Painted Steel	
Orientation	Ducted	
System of Protection	IP 54	
Ambient Air Temperature	-20 °C ... +55 °C	
Compressor	Secop	Embraco
Fans	EbmPapst	
Communication Options	EtherNet/IP , ModBus TCP or RTU	
Mobile Control	GooglePlay - AppStore	



1700 / 3700 Watt

Cooling Capacity

- Digital Display Controller
- A Class Equipment Openable Front Door
- Flexible Hose - Spot Cooling





100% CUSTOMER SATISFACTION

We are constantly working to do better. Our machinery investments continue to produce better products. Production with the highest technology in the field of cooling.



QUALITY TEST / CHECK

%100 SAFETY
LEAK TEST WITH **HELIUM** DETECTOR



%100 EFFICIENT
AUTOMATED SMART GAS CHARGING



In our enclosure coolers, to ensure 100% customer satisfaction, we have integrated helium leak testing systems into our production line to eliminate the risk of gas leakage. In addition, we now use an automated smart gas charging station to precisely fill the exact amount of refrigerant under optimal conditions. Thanks to these advanced systems, we are fully confident in the integrity of our copper piping and the accuracy of the gas charge in every unit. Our customers receive highly reliable cooling units designed for long-term, trouble-free operation.

PRODUCTION CAPABILITIES

LASER CUTTING
METAL OPERATION



METAL BENDING
METAL OPERATION



POWDER COATING
ELECTROSTATIC PAINT



High quality and high efficiency production in our modern production facility in Turkiye.

KIOSK TYPE

Kiosk /Dokunmatik Ekran Kliması



Kiosklar; Alışveriş merkezleri, Oteller, Terminaller, Turizm tesisleri, Havaalanları ve Kent Meydanları gibi sosyal ortamlarda; internette gezinmek, bulunduğu ortama göre bilgi verici yayınlar yapmak yada reklam oynatmak gibi amaçlarla kullanılan, büyük ekranlı, bilgisayar tabanlı sistemlerdir.

Sistemde bulunan elektronik cihazlar, kiosk kabininde sıcaklığı artırır. Artan bu sıcaklık, sistemin düzgün çalışmamasına ve hatta bilgisayar sistemi üzerinde önemli arızaların oluşmasına neden olur. Ürettiğimiz klimalarla bu sorunları oluşmadan önleyerek, sistemlerin uzun süreli sorunsuz çalışması sağlanmaktadır.



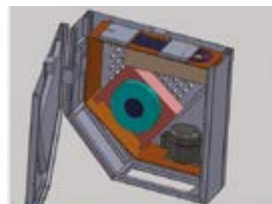
Kiosk Cabinets are wide screen PC based systems where located slim design special cabinets. Mainly in use at marketing stores, hotels, airports, banks, public squares, information desks, advertisement, internet connection and bank data processings. Electronic structure in the Kiosk system increases up the temperature itself; high environmental degree strongly effects the system and may cause significant damages...

Our Kiosk Coolers offers to eliminate deficiencies and keep the system stable in normal conditions for healthy and long life operation.



TECHNICAL DETAILS | KSK 1000 | KSK 2000 | KSK 3000

Cooling Capacity (L35 / L35)	1000 W	1700 W	2700 W
Type Of Refrigerant	R 134a	R 134a	R 134a
Amount Of Refrigerant	380 gr	520 gr	620 gr
Default Thermostat Setting	24 °C	24 °C	24 °C
External Circuit	540 m³/h	1005 m³/h	1005 m³/h
Internal Circuit	260 m³/h	540 m³/h	540 m³/h
Rated Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input Voltage	230 V	230 V	230 V
Power Absorbed L35 L35	530 W	740 W	950 W
Running Current	2.4 A	3.4 A	4.3 A
Starting Current	3.4 A	4.4 A	5.8 A
Weight	30 kg	40 kg	45 kg
Height-A x Width-B x Depth-C	410X695X185	545X705X185	595X705X185
Noise Level	54 dB	58 dB	60 dB
Ambient Air Temperature	0°C +55 °C	0°C +55 °C	0°C +55 °C
Compressor	Embraco-Secop	Danfoss-Secop	Danfoss-Secop
Fans	EbmPapst	EbmPapst	EbmPapst



www.uludagklima.com



KIOSK TYPE

Kiosk /Dokunmatik Ekran Kliması



Klimalar, kiosk kabinleri için özel tasarlanır.

For the condenser air cycle in the A/C, ventilation holes should be created on the surfaces of cabin. Condenser ventilation directions can be in different alternatives depending on the cabinet design.



3 Types in terms of Condenser Air Direction:

Left Side Suction /
Right Side Blowing



It sucks air from the side and blows it to the other side. (both sides of the kiosk should be opened.)

Back Surface Suction /
Sides Blowing



It sucks air from the back surface and blows it from the sides. Side and rear air spaces should be opened at the cabin.

Back Surface Suction /
Front Surface Blowing



It sucks air from the back surface, blows it from the front. Front and Back surface air gaps should be opened.



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1 Kolay Montaj



2 QR Kod ile Kurulum



3 Mobil Olarak Anlık Takip

3 Adımda Panolarınız Güvende



SmartCool Özellikli Uludağ Klimalar

Kablolu ve Kablosuz Bağlantı Alt Yapısı Sağlamaktadır.



SmartCOOL
Opsiyoneldir



ACCESSORIES

Summer months approaches, temperature rises in enclosure cabinets (approximately 45-60°C) With this increase, unscheduled downtime is inevitable. Against to this expected and said "I'M COMING" danger, precautions to be taken is our enclosure cabinet coolers.





DRAIN WATER EVAPORATOR

DRENAJ SUYU BUHARLA TIRICI

PTC Evaporation Resistance

With the PTC, it measures the water level and works depending on the water level. When there is no water; It does not consume energy and protects the resistance. It contains a special heat-resistant plastic box.



TECHNICAL DETAILS

AC 1

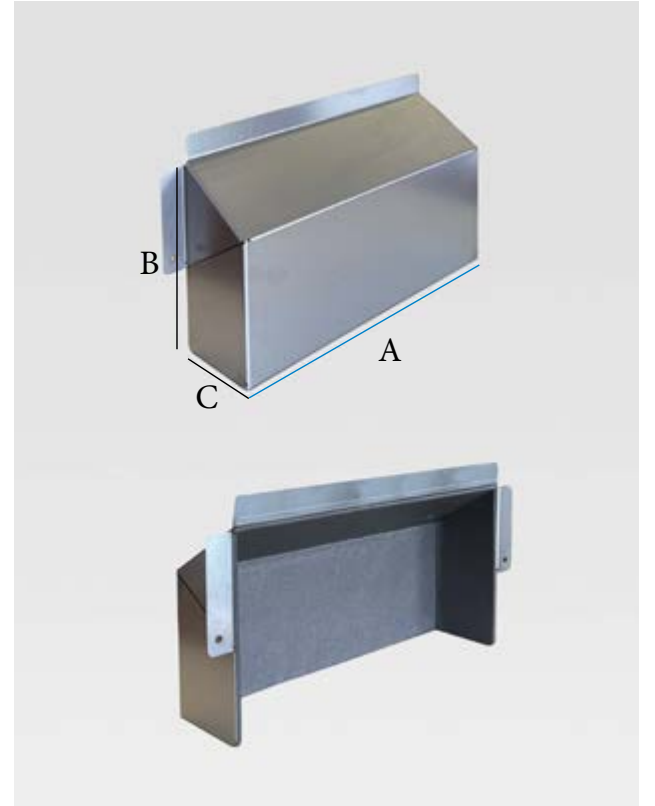
Heater Capacity	350 W
Input Voltage	230 V.
Running Current	1.6 A
Corrosion Protection (cover)	Galvanized
Color	Ral 7035
Weight	3.5 kg
Cover Dimensions	270X340X50
Water Box Dimesions	225X295X35

AIR ORIENTATION VENT

HAVA YÖNLENDİRME MENFEZİ

Air Direction Damper / Grille

It is a damper / grille attached to the blowing section in order to direct the blown cold air in enclosure cooler application. It directs the cold downwards and creates a homogeneous environment. It also eliminates the risks of drain water splashes. It has insulation on inner surface.



TECHNICAL DETAILS

DR DM1

DR DM2

Heater Capacity	Svk500, Svk1000	Svk2000, Svk3000, Svk4000
Input Voltage	Galvanized	Galvanized
Dimensions (A X B X C)	215X140X65	260X140X65



FACTORY

OSB, MINARELİÇAVUŞ MAHALLESİ TURUNCU CADDE NO.39
NİLÜFER / BURSA / TÜRKİYE

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