

Table of Content 43050001

1. User manual	2
2. Legal regulations	3
3. Safety instructions	
4. Application	5
5. Functional principle	δ
6. Technical data	7
7. Performance graph	
8. Mounting	9
9. Mounting Principle	0
10. Cut Out Dimension	1
11. Dimension (H x W x D)	2
12. Electrical Connection	3
13. Controller	
14. Wiring Diagram	5
15. Taking into Operation	6
16. Trouble Shooting	6
17. Maintenance & Cleaning	6
18. Transport & Storage	7
19. Parts supplied / Spare parts / Accessories	8





1. User manual

This instruction manual contains information and instructions to enable the user to work safely, correctly and economically on the unit. Understanding and adhering to the manual can help one:

- Avoid any dangers.
- Reduce repair costs and stoppages.
- Extend and improve the reliability and working life of the unit.

PLEASE ENSURE TO USE THE RIGHT VERSION OF THE INSTRUCTION MANUAL SUITABLE FOR YOUR UNIT.

Intended use

The unit is to be used exclusively for the dissipation of heat from control cabinets and enclosures (stationary, not moving) in order to protect temperature sensitive components in an industrial environment. To meet the conditions of use, all the information and instructions in the instruction manual must be adhered to.



General danger

Indicates compulsory safety regulations which are not covered by a specific pictogram such as one of the following.



High electric voltage

Indicates electric shock danger.



Important safety instruction Indicates instructions for safe maintenance and operation of the unit.



Attention Indicates possible burns from hot components.



Attention Indicates possible damage to the unit.



Instruction Indicates possible danger to the environment.



2. Legal regulations

Liability

The information, data and instructions contained in this instruction manual are current at the time of going to press. We reserve the right to make technical changes to the unit in the course of its development. Therefore, no claims can be accepted for previously delivered units based on the information, diagrams or descriptions contained in this manual. No liability can be accepted for damage and production caused by:

- Disregarding the instruction manual
- Operating error
- Inappropriate work on or with the unit
- The use of non-specified spare parts and accessories
- Unauthorised modifications or changes to the unit by the user or his personnel

The supplier is only liable for errors and omissions as outlined in the guarantee conditions contained in the main contractual agreement. Claims for damages on any grounds are excluded.



3. Safety instructions

Upon delivery the unit is already meeting current technical standards and can therefore be safely taken into operation. Only authorised personnel is allowed to work on the unit. Unauthorised personnel must be prohibited from working on the unit. Operating personnel must inform their superiors immediately of any malfunction of the unit.

Please note that before starting to work on or with the unit, a procedure must be carried out inside the cabinet on which the unit is to be mounted.

Before commencing work inside the cabinet, the control cabinet manufacturer's instruction must be read with regards to:

- Safety instructions.
- Instructions on taking the cabinet out of operation.
- Instructions on the prevention of unauthorised cabinet reconnection.

The electric equipment meets the valid safety regulations. One can find dangerous voltages (above 50 V AC or above 100 V DC)

- Behind the control cabinet doors.
- On the power supply in the unit housing.

The unit has to be operated according to the type plate and the wiring diagram, and must be protected externally from overloading and electrical faults via suitable protective devices.



Danger through incorrect work on the unit

The unit can only be installed and maintained by technical competent and qualified personnel, using only supplied material according to the supplied instructions.



Danger from electrical voltage

Only specialised personnel are allowed to maintain and clean the unit. The personnel must ensure that for the duration of the maintenance and cleaning, the unit is disconnected from the electrical supply.



Attention

Damage to the unit through the use of inappropriate cleaning materials. Please do not use aggressive cleaning material.



Instruction

Damage to the environment through unauthorised disposal. All spare parts and associated material must be disposed according to the environmental laws.



4. Application

The cooling unit is intended to be used as a complementary accessory to larger industrial equipment. The unit is used where heat needs to be dissipated from electrical control cabinets or similar enclosures in order to protect heat sensitive components. *It is not intended for household use*.

The unit has two completely separate air circuits which ensure that the clean cabinet air does not come into contact with the ambient air which may well be dirty or polluted.

Enclosure cooling units can dissipate large quantities of heat from sealed enclosures such as electrical enclosures into the ambient air and at the same time reduce the cabinet internal temperature to below that of the ambient air. The unit can function without problems in extreme ambient conditions (e.g. dusty and oily air) with a standard operating temperature ranging between 10°C and 55°C. Units can be ordered with an additional electrical cabinet heater. For the cooling capacities and environmental ratings please refer to the type plate data.



5. Functional principle

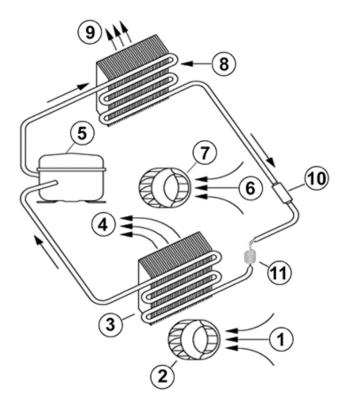
The cooling unit for enclosures works on the basis of a refrigeration circuit consisting of four main components: compressor (1), evaporator (2), condenser (3) and expansion device (4).

The circuit is hermetically sealed and R134a refrigerant circulates inside it (R134a is chlorine free and has an Ozone Destruction Potential [ODP] of 0 and a Global Warming Potential [GWP] of 1430). The compressor compresses the refrigerant (thus taking it to high pressure and high temperature), and pushes it through the condenser, where it is cooled by ambient air thus passing from the gas to the liquid state. At the liquid state it then passes through the capillary pipe being a much lower pressure the refrigerant arrived to the evaporator where it absorbs the necessary heat to change from liquid to gas state. The gas is then drawn back into the compressor completing the cycle.

Condensation management

In environments with humidity and low internal enclosure temperatures, condensation may form on the evaporator coil. Standard cooling units 43XXX0XXX have a drain socket towards the bottom of the unit for connection of the drain pipe.

Cooling units 43XXX1XX include an internal condensate evaporator based on self-regulating PTC cartridges. Condensate is drained to an internal recipient where it evaporates when in contact with the cartridge surface. Resulting steam is directed towards the condenser. The PTC heater cartridge is permanently connected. The recipient has an overflow socket at the bottom of the unit, for which a drain pipe is supplied.

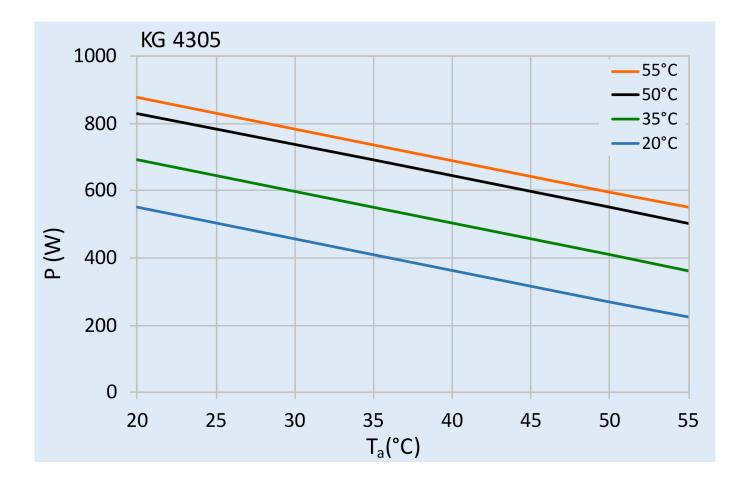




6. Technical data

Cooling capacity L35L35 (EN14511-3)550 W @ 50 Hz 620 W @ 60 HzCooling capacity L35L50 (EN14511-3)410 W @ 50 Hz 440 W @ 60 HzCompressor typeReciprocating compressorRefrigerant / GWPR134a / 1430Refrigerant charge127 g / 4.5 ozHigh / low Pressure338 / 77 psigOperating Temperature Range10°C - 55°CAir flow volume (system / unimpeded)Ambient air circuit: 435 / 550 m³/h Cabinet air circuit: 200 / 250 m³/hMountingWall mountedHousing MaterialMild steel, powder coatedDimensions A x B x C (D+E)650 x 315 x 260 mmWeight27.7 KgCut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzUL Voltage / Frequency230 V ~ 60 HzMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12ApprovalsCE, cURus, cULus	Order Number	43050001
Cooling capacity L35L50 (EN14511-3)620 W @ 60 H2Compressor type Refrigerant / GWP Refigerant chargeReciprocating compressor Refrigerant chargeHigh / low Pressure23.3 / 5.3 bar 338 / 77 psigOperating Temperature Range10°C - 55°CAir flow volume (system / unimpeded)Ambient air circuit: 435 / 550 m³/h Cabinet air circuit: 200 / 250 m³/hMountingWall mountedHousing Material Dimensions A x B x C (D+E)650 x 315 x 260 mm 650 x 315 x 260 mmWeight27.7 KgCut out dimensions635 x 275 mm 230 V ~ 50/60 HzVoltage / Frequency Current L35L352.1 A 370 W @ 50 Hz 400 W @ 60 HzNominal power L35L35370 W @ 50 Hz 400 W @ 60 HzMax. power Fuse510 W 510 WFuse6 A (T) 5 hort-circuit current rating ConnectionShort-circuit current rating Ingress Protection5 kA Connection terminal block IP 54 / TYPE 12	Cooling capacity L35L35 (EN14511-3)	0
Cooling capacity L35L50 (EN14511-3)440 W @ 60 HzCompressor typeReciprocating compressorRefrigerant / GWPR134a / 1430Refrigerant charge127 g / 4.5 ozHigh / low Pressure23.3 / 5.3 bar338 / 77 psigOperating Temperature RangeOperating Temperature Range10°C - 55°CAir flow volume (system / unimpeded)Ambient air circuit: 435 / 550 m³/hCabinet air circuit: 200 / 250 m³/hMountingWall mountedHousing MaterialMild steel, powder coatedDimensions A x B x C (D+E)650 x 315 x 260 mmWeight27.7 KgCut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	······································	0
Compressor typeReciprocating compressorRefrigerant / GWPR134a / 1430Refrigerant charge127 g / 4.5 ozHigh / low Pressure23.3 / 5.3 bar 338 / 77 psigOperating Temperature Range10°C - 55°CAir flow volume (system / unimpeded)Ambient air circuit: 435 / 550 m³/h Cabinet air circuit: 200 / 250 m³/hMountingWall mountedHousing MaterialMild steel, powder coatedDimensions A x B x C (D+E)650 x 315 x 260 mmWeight27.7 KgCut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	Cooling capacity L35L50 (EN14511-3)	•
Refrigerant / GWPR134a / 1430Refrigerant charge127 g / 4.5 ozHigh / low Pressure23.3 / 5.3 bar 338 / 77 psigOperating Temperature Range10°C - 55°CAir flow volume (system / unimpeded)Ambient air circuit: 435 / 550 m³/h Cabinet air circuit: 200 / 250 m³/hMountingWall mountedHousing MaterialMild steel, powder coatedDimensions A x B x C (D+E)650 x 315 x 260 mmWeight27.7 KgCut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	Compressor type	-
High / low Pressure23.3 / 5.3 bar 338 / 77 psigOperating Temperature Range10°C - 55°CAir flow volume (system / unimpeded)Ambient air circuit: 435 / 550 m³/h Cabinet air circuit: 200 / 250 m³/hMountingWall mountedHousing MaterialMild steel, powder coatedDimensions A x B x C (D+E)650 x 315 x 260 mmWeight27.7 KgCut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	Refrigerant / GWP	R134a / 1430
High / low Pressure338 / 77 psigOperating Temperature Range10°C - 55°CAir flow volume (system / unimpeded)Ambient air circuit: 435 / 550 m³/h Cabinet air circuit: 200 / 250 m³/hMountingWall mountedHousing MaterialMild steel, powder coatedDimensions A x B x C (D+E)650 x 315 x 260 mmWeight27.7 KgCut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	Refrigerant charge	127 g / 4.5 oz
Air flow volume (system / unimpeded)Ambient air circuit: 435 / 550 m³/h Cabinet air circuit: 200 / 250 m³/hMountingWall mountedHousing MaterialMild steel, powder coatedDimensions A x B x C (D+E)650 x 315 x 260 mmWeight27.7 KgCut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	High / low Pressure	
Air flow volume (system / unimpeded)Cabinet air circuit: 200 / 250 m³/hMountingWall mountedHousing MaterialMild steel, powder coatedDimensions A x B x C (D+E)650 x 315 x 260 mmWeight27.7 KgCut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	Operating Temperature Range	10°C - 55°C
Housing MaterialMild steel, powder coatedDimensions A x B x C (D+E)650 x 315 x 260 mmWeight27.7 KgCut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionIP 54 / TYPE 12	Air flow volume (system / unimpeded)	· · · · · · · · · · · · · · · ·
Dimensions A x B x C (D+E)650 x 315 x 260 mmWeight27.7 KgCut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	Mounting	Wall mounted
Weight27.7 KgCut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionIP 54 / TYPE 12	Housing Material	•
Cut out dimensions635 x 275 mmVoltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12		
Voltage / Frequency230 V ~ 50/60 HzUL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	-	5
UL Voltage / Frequency230 V ~ 60 HzCurrent L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12		
Current L35L352.1 AStarting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12		
Starting current9.8 AMax. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12		
Max. current2.5 ANominal power L35L35370 W @ 50 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12		
Nominal power L35L35370 W @ 50 Hz 400 W @ 60 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	-	
Nominal power L35L35400 W @ 60 HzMax. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	Max. current	
Max. power510 WFuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	Nominal power L35L35	
Fuse6 A (T)Short-circuit current rating5 kAConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	Max. power	-
ConnectionConnection terminal blockIngress ProtectionIP 54 / TYPE 12	-	6 A (T)
Ingress Protection IP 54 / TYPE 12	Short-circuit current rating	5 kA
5	-	Connection terminal block
ApprovalsCE, cURus, cULus	Ingress Protection	IP 54 / TYPE 12
	Approvals	CE, cURus, cULus

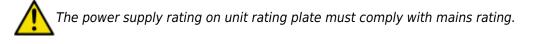


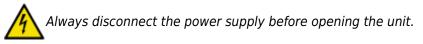


7. Performance graph



8. Mounting





The heat load to be dissipated from enclosure should not exceed specific cooling output of the unit at any condition. At cooling unit selection always cater for a safety margin of at least 15% extra cooling output in the worst conditions.

Ensure that flows of air leaving and entering the cooling unit, internal and external, are not obstructed. It must also be ensured in accordance with UL, that the air outlet is not blowing air directly at an equipment operator. Should this be the case a barrier or duct shall be provided to redirect the airflow.

Cooling unit enclosure air suction hole must be installed in the highest possible point. When installing the unit on a door ensure it can take the weight.

Before drilling the enclosure ensure the fixing elements and couplings will not interfere with the equipment inside the enclosure itself. Disconnect power before starting any work inside the enclosure. Following this 1:1 Scale Drilling Template drill the holes and make the required cuts on the enclosure. This template may have been affected by storage conditions, please check this template by verifying values of the largest dimensions before drilling. Fit the sealing strip on the cooling unit on the side connected to the enclosure and follow the installation diagram.

Note: In case of 19" rack mounted units please ignore the above mounting instructions.

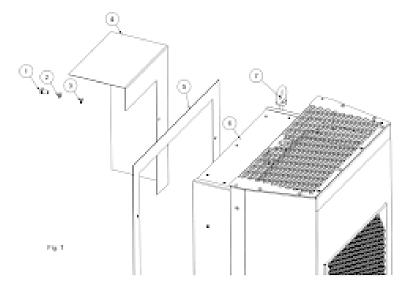


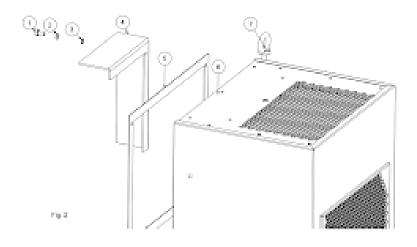
9. Mounting Principle



Do not use within the first 15 minutes after installation!

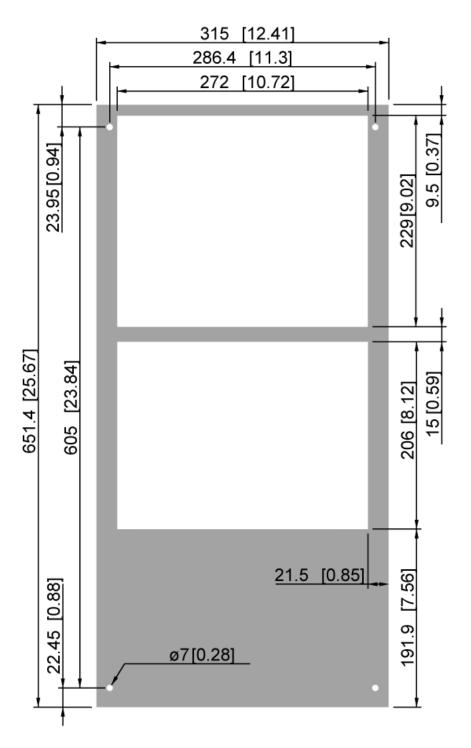
- 1 M6 screws
- 2 M6 flat washers
- 3 M6 toothed washers
- 4 Cabinet
- 5 Sealing tape
- 6 Cooling unit
- 7 Lifting hook
- Fig. 1 Recessed
- Fig. 2 External





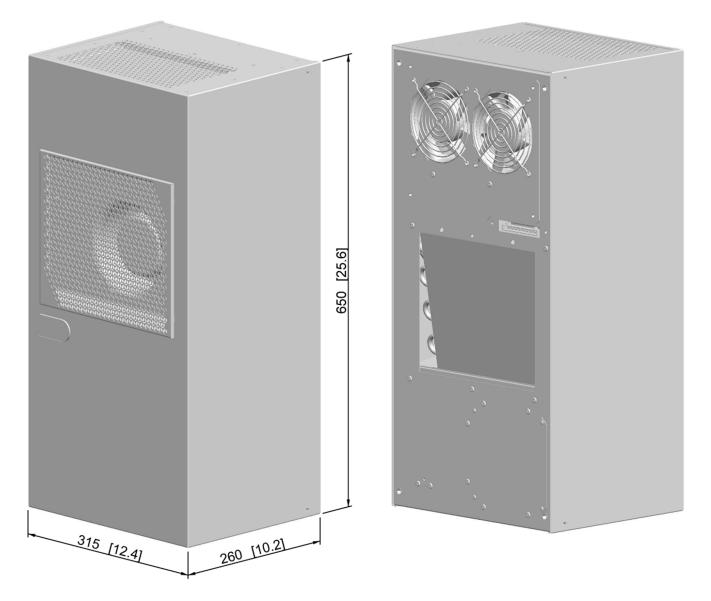


10. Cut Out Dimension





11. Dimension (H x W x D)





12. Electrical Connection

Door Switch

The unit can be switched on and of via a door contact switch. When delivered the door contact terminals are bridged on the female connector. To connect the door contact switch remove the bridge and connect door contact switch. The contact must be closed when the cabinet door is closed.

SCCR

Refer to UL508A Supplement SB and Seifert Systems' document <u>Short Circuit Current Rating (SCCR)</u> on methods how to modify the available short circuit current within a circuit in the panel.



13. Controller

The unit is equipped with a temperature controller which regulates the function of the air-conditioning cycle. At normal working conditions the display shows the temperature inside the enclosure. The cooling set point for the interior of the enclosure (parameter St / St1) is pre-set at 35°C and can be adjusted between 20°C and 50°C.

To change the cooling set point St/St1:

- 1. Press 'Set' till St/St1 appears on the display
- 2. Press the Up/Down buttons to adjust the temperature setting
- 3. Press 'Set' to save the new setting
- To change the heating set point St2 (units with internal heater only):
- 1. Press 'Set' till St1 appears on the display and release the button
- 2. Press again 'Set' till St2 appears on the display
- 3. Press the Up/Down buttons to adjust the temperature
- 4. Press set to save the new setting

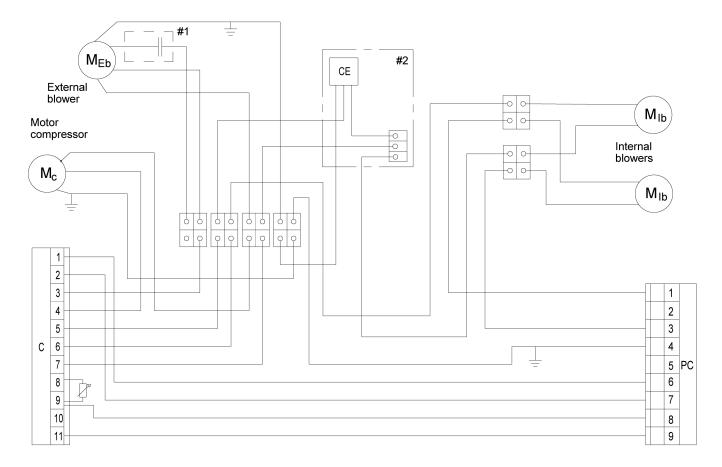
Important Note: when changing settings ensure that: (St2 + 5K) < St1

The unit also has a potential free high temperature alarm relay (normally closed configuration) that is pre-set to switch when the enclosure temperature exceeds 55°C. If necessary, the alarm relay configuration and the set point can be changed via the controller's parameters. Kindly contact your nearest service / sales partner for further details on how to change these parameters.



14. Wiring Diagram

- 1 L1 2 / 3 N
- 3 N 4 PE
- 4 5
- 6 Alarm contact P1
- 7 Alarm contact P2
- 8 Door contact T1
- 9 Door contact T2



5960019703 Rev i



15. Taking into Operation

Attention! The unit can be damaged by lack of lubricant. To ensure that the compressor is adequately lubricated the oil, which has been displaced during transport, must be allowed to flow back into it. The unit must therefore be allowed to stand for at least 30 min. before being connected to the mains and taken into operation. The unit / system must be protected with a MCB Type D or K.

Upon connection the internal fan will start working. If the temperature inside the enclosure is higher than the set value of the controller both the compressor and external air fan start working. Once the air inside the enclosure reaches the set temperature the compressor and external fan will stop.

The hysteresis is 3K, the minimum ON-time is 4 minutes, the minimum OFF-time is 3 minutes, for units with a cooling capacity of more than 1 kW is it usually 7 minutes.

The unit is pre-set at 35°C, which is suitable for most of the electronic devices.

Failure Condition		Cause	Solution	
Unit	Internal fan does not work	Power not connected.	Verify power supply	
	Internal fan works, external fan	Enclosure temperature is below setting temperature (St1)	Verify values of parameter "St1"	
	and compressor don't work	Door switch contact is open	Verify door switch	
doesn't		Controller doesn't work	Replace controller	
cool	Internal fan works, external fan and compressor don't work. Display shows alternating OFF and temperature	The sequence of the phases inside the power supply connector is incorrect	Change phases inside power supply connector	
Unit	External and internal fan work, compressor does not work	Compressor motor electrical failure	Have compressor replaced by qualified service technician	
doesn't		Capacitor for compressor failed	Replace capacitor	
cool	Compressor works, external fan doesn't work	External fan needs to be replaced	Replace external fan	
Enclosure temperature too hot	Compressor and fans (external and internal) work all the time	Cooling unit undersized	Enclosure needs a cooling unit with higher capacity	
	Compressor and external fan work in alternating mode	Thermal compressor protector triggered	Verify if ambient temperature is too high, clean condenser	
	(ON / OFF)	Refrigerant leakage	Contact dealer / service centre	
Excessive condensate	Enclosure door open	Ambient air gets into the enclosure	Ensure door is closed, add a door switch and connect it to controller	
	Enclosure door closed	Enclosure IP protection class is below IP54	Seal all openings of the enclosure	
		Damaged or misplaced sealing strip	Repair sealing strip accordingly	

16. Trouble Shooting

17. Maintenance & Cleaning



Always switch power supply off before starting any maintenance on the unit.

The cooling unit is generally maintenance free and can be operated without filters in most environments. For units with filters these should be checked, cleaned and if necessary replaced on a regular basis. In addition the unit should have regular functional tests (approx. every 2,000 hours depending on the grade of ambient pollution).

Disposal

The unit contains R134a refrigerant and small quantities of lubricating oil. Replacement, repairs and final disposal must be done according to the regulations of each country for these substances.



18. Transport & Storage

Malfunction due to transport damage

On delivery the carton box containing the unit must be examined for signs of transport damage. Any transport damage to the carton box could indicate that the unit itself has been damaged in transit which in the worst case could mean that the unit will not function.

The unit can only be stored in locations which meet the following conditions:

- temperature range: 40°C to 70°C
- Relative humidity (at 25°C): max. 95 %

Returning the unit

To avoid transport damage the unit should be returned in the original packing or in a packing case and must be strapped to a pallet. If the unit cannot be returned in the original packing please ensure that:

- A space of at least 30 mm. must be maintained at all points between the unit and the external packing.
- The unit must be shipped in the same position as it was mounted.
- The unit must be protected by shock resistant padding (hard foam corner pieces, strips or cardboard corner pieces).



Description	QTY	Image
Instruction manual	1	
CE Declaration	1	
Mounting template	1	
M6 * 16 bolts	8	
A6.4 washer	8	0
M6 toothed washers	8	\bigcirc
Lifting hook M8 x 12	1	P
PVC washer	1	0
Drain pipe	1	$\overline{\mathbf{O}}$
Female connector	1	
Foam tape		

19. Parts supplied / Spare parts / Accessories

Accessories:

Description Fibre filter media EU2

Washable aluminium filter Stainless steel filter holder incl. filter media Door contact switch

Order no.

SP-43040001-O-1 SP-43040001-BF-1 SP-43040001-BG-1 3100001



Seifert Systems GmbH Albert-Einstein-Str. 3	Seifert Systems Ltd. HF09/10 Hal-Far Industrial Estate	Seifert Systems AG Wilerstrasse 16	Seifert Systems GmbH Bärnthal 1	Seifert Systems Ltd. Rep. Office	Seifert Systems Inc. 75 Circuit Drive North Kingstown	Seifert Systems Pty Ltd. 105 Lewis Road Wantirna South
42477 Radevormwald	Birzebbuga, BBG 3000	4563 Gerlafingen	4901 Ottnang	26100 Cremona	RI 02852	3152 Victoria
Germany	Malta	Switzerland	Austria	Italy	USA	Australia
Tel.+49 2195 68994-0	Tel.+356 2220 7000	Tel.+41 32 675 35 51	Tel.+43 7676 20712 0	Tel.+39 349 259 4524	Tel.+1 401-294-6960	Tel.+61 3 98 01 19 06
info.de@seifertsystems.com	info@seifertsystems.com	info.ch@seifertsystems.com	info.at@seifertsystem.com	info@seifertsystems.com	info.us@seifertsystems.com	info@seifertsystems.com.au