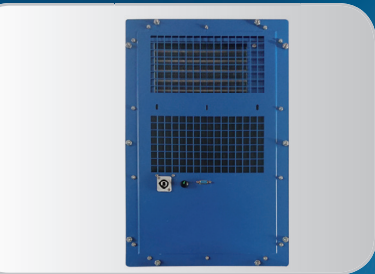
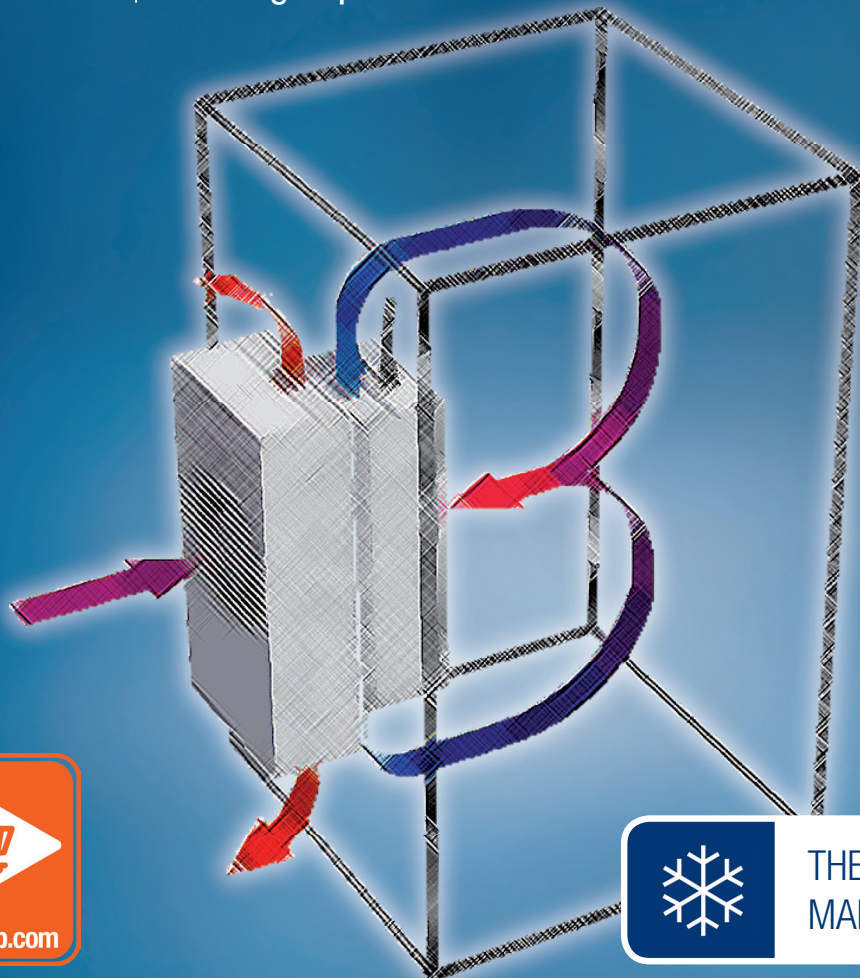


standard cabinet coolers

remove heat from cabinets, control panels and consoles – even in harsh environments



- ❄ thermoelectric coolers
- ❄ cabinet coolers – heat pipe based
- ❄ compressor cooling units
- ❄ cooling capacities from 30 W to 4 kW



THERMAL
MANAGEMENT



AMS Technologies – where technologies meet solutions

AMS Technologies is a leading solution provider and distributor of high-tech, leading-edge components, systems and equipment, with more than 35 years of experience to date and currently serving more than 2000 European customers.

We are the specialists in both components and complete solutions for Optical Technology, Thermal Management and Power Technology fields, with access to and long standing relationships with the most advanced manufacturers in each of those fields. Drawing extensively on our experience in each of these differing technologies, and coupling this with our broad system-level competence, we are able to offer seamless and comprehensive solutions incorporating complementary aspects from all three key technology fields.

With an appropriate technical education, an element of entrepreneurial spirit and many years of design and consultancy expertise, our sales engineers can rapidly comprehend system requirements and provide you the customer with a solution that goes way beyond a simple understanding of our product datasheets. We take active involvement in the design cycle, defining and re-defining your specifications, and leading in many

cases to highly specific, customized products and solutions. Helping you to effectively outsource your production line, we can even provide you with the necessary leading turnkey contract manufacturing services in our key competency fields.

AMS Technologies has been delivering solutions into a variety of high-tech markets, including renewable energies, medical, defence & aerospace, research & scientific and various other industrial segments. Our customer base consists of Europe's largest leading technology corporations, a network of universities and research institutes as well as the most promising start-ups.

We thrive by working in a 'customer first' environment. Our pan-European customers are serviced from a network of local offices in Germany, the UK, France, Italy, Spain, Poland and Sweden, with a focused operations and logistics centre located in Munich, Germany.

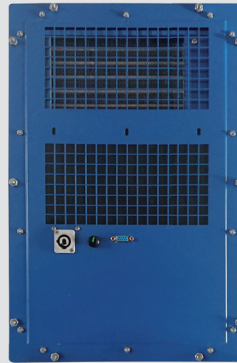
Our commitment: Identifying the best solution for your project enabling you to become your customers' first choice!

Your AMS Technologies team



- Optical Technologies
- Power Technologies
- Thermal Management





standard cabinet coolers

Cabinet coolers are the ideal solution to cool and remove heat from cabinets, control panels and consoles. Utilizing either Peltier, heat pipe or compressor technology, our cabinet coolers are especially suitable for harsh environments like food industry or traffic engineering. Internal air circulation and ambient external air flow are separated by a hermetical seal. Most of our cabinet coolers are also protected against water and rated according to the IP67 (NEMA4X) standard.

thermoelectric coolers

Thermoelectric cabinet coolers are the ideal solution when heat needs to be removed from small electronic cabinets, or small compartments need to be cooled below ambient. Nominal cooling capacities range from 30 W to 280 W when internal temperature equals external

temperature ($T_{in} = T_{amb}$). When cooling below ambient is required, the cooling capacity depends on the size of the compartment and its insulation. Temperatures of as low as 25 K below ambient temperatures can be achieved.

cabinet coolers – heat pipe based

Based on heat pipe technology, these very compact and lightweight air to air heat exchangers remove waste heat from sealed electrical panels and enclosures. Intruding and flush-mount versions are available with ratings from 16 W/°C up to 200 W/°C. The coolers' design dissipates heat from

sensitive electronic components without exposing them to the harsh and dirty environment outside the cabinet. Common mounting locations for these units are side, front or back as high as possible on the enclosure.

compressor cooling unit

This cooling unit is based on compressor technology and can be mounted on the side, front or back of the cabinet. With an operating voltage of 24 VDC, the compressor cooling unit

provides a nominal cooling capacity of 400 W. Among the main product features are a quick assembly procedure, high reliability and minimized maintenance efforts.



cabinet coolers

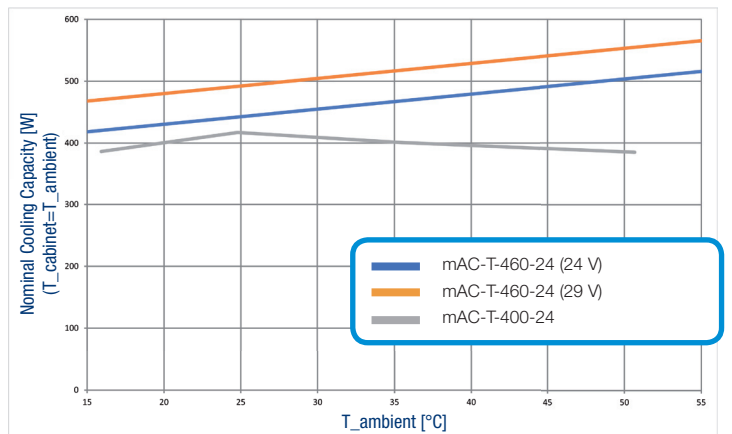
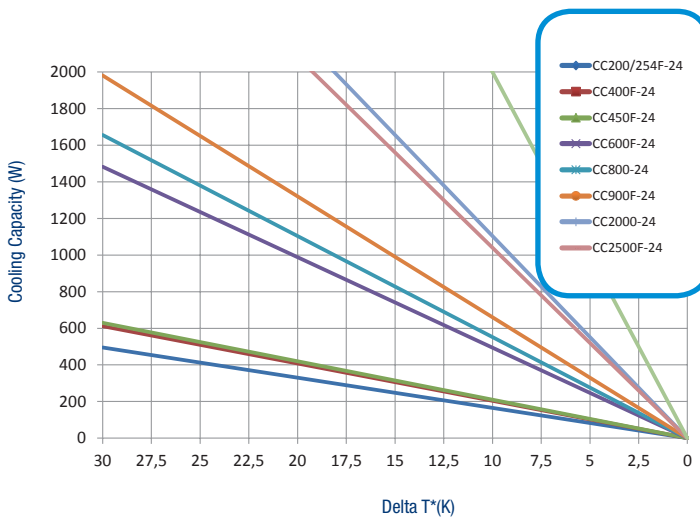
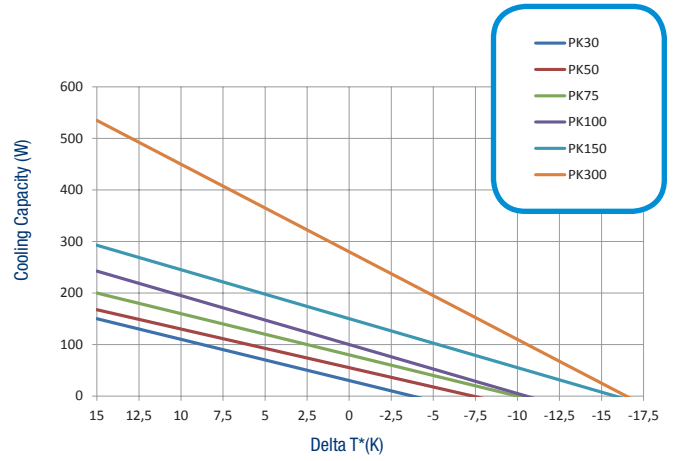
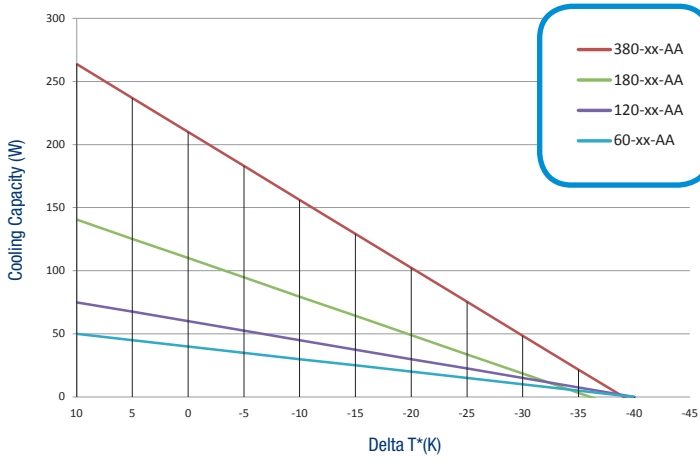
Product	Cooling Capacity*	I Operating Amps	U Operating Volts	Power consumption Watts	Length mm	Width mm	Height mm	Weight kg	Working temp range	Approvals	Environmental protection	Orientation
PK 30-24	110 W	2.3	24	56	130	160	112	1.7	-10 – +60 °C	UL, CE	IP67	any
PK 50-12	130 W	5	12	60	134.5	200	155.5	3.9	-10 – +60 °C	UL, CE	IP67	any
PK 50-24	130 W	2.5	24	60	134.5	200	155.5	3.9	-10 – +60 °C	UL, CE	IP67	any
PK 75-24	160 W	3.6	24	87	145	250	203	5.5	-10 – +60 °C	UL, CE	IP67	any
PK 100-12	195 W	5.2	12	125	134.5	307	200	7.2	-10 – +60 °C	UL, CE	IP67	any
PK 100-24	195 W	10.4	24	125	134.5	307	200	7.2	-10 – +60 °C	UL, CE	IP67	any
PK 150-24	245 W	7.2	24	173	134.5	307	200	7.3	-10 – +60 °C	UL, CE	IP67	any
PK 300-24	450 W	15	24	360	195	333	330	18.5	-10 – +60 °C	CE	IP67	any
60-24-AA	90 W	2.8	24	67	240	150.2	155	2.8	-30 – +70 °C			any
60-12-AA	55 W	9	12	108	240	150.2	155	2.8	-30 – +70 °C			any
120-24-AA	76 W	5.3	24	127	320	150.2	155	3.7	-30 – +70 °C			any
120-12-AA	76 W	15.2	12	182	320	150.2	155	3.7	-30 – +70 °C			any
180-24-AA	140 W	5.8	24	139	480	150.2	155	5.7	-30 – +70 °C			any
380-24-AA	275 W	10.4	24	250	252	200	210	6.4	-10 – +70 °C			any
CC200-24	165 W	1.2	24	28.8	117.48	130.18	292.1	2.72	-10 – +70 °C		Nema12 (IP52 equivalent)	drop in
CC254F-24	165 W	1.2	24	28.8	101.6	304.8	327	3.63	-10 – +70 °C		Nema12 (IP52 equivalent)	flush mount
CC400F-24	204 W	1.2	24	28.8	101.6	158.75	571.5	4.54	-10 – +70 °C		Nema12 (IP52 equivalent)	flush mount
CC450F-24	210 W	1.2	24	28.8	203.2	134.71	317.5	4.08	-10 – +70 °C		Nema12 (IP52 equivalent)	flush mount
CC600F-24	494 W	2.4	24	57.6	101.6	222.25	762	6.35	-10 – +70 °C		Nema12 (IP52 equivalent)	flush mount
CC800-24	552 W	2.4	24	57.6	177.8	196.85	381	7.26	-10 – +70 °C		Nema12 (IP52 equivalent)	drop in
CC900F-24	660 W	2.4	24	57.6	200	352.43	381	7.26	-10 – +70 °C		Nema12 (IP52 equivalent)	flush mount
CC2000-24	1104 W	4.8	24	115.2	177.8	196.85	762	12.7	-10 – +70 °C		Nema12 (IP52 equivalent)	drop in
CC2500F-24	1040 W	4.8	24	115.2	200	352.4	736.6	13.6	-10 – +70 °C		Nema12 (IP52 equivalent)	flush mount
CC4000F-24	2000 W	9.6	24	230.4	200	352.4	1473.2	27.21	-10 – +70 °C		Nema12 (IP52 equivalent)	flush mount
mAC-C-400-24-KIT	400 W	18	24	432	310	150	475	10	+10 – +50 °C	CE	IP65	flush mount side wall or door
mAC-T-450-24-KIT	450 W	38	24	863	345	339	287	22	-40 – +70 °C		IPxx	any

* note: conditions for rating vary, refer to individual data sheets



selection guide

cooling capacity



* Delta T = Inside Cabinet Temperature – Ambient Temperature



Don't find what you are looking for?

We also offer custom solutions tailored towards your specific needs.
Please contact us to discuss your application.



thermoelectric coolers

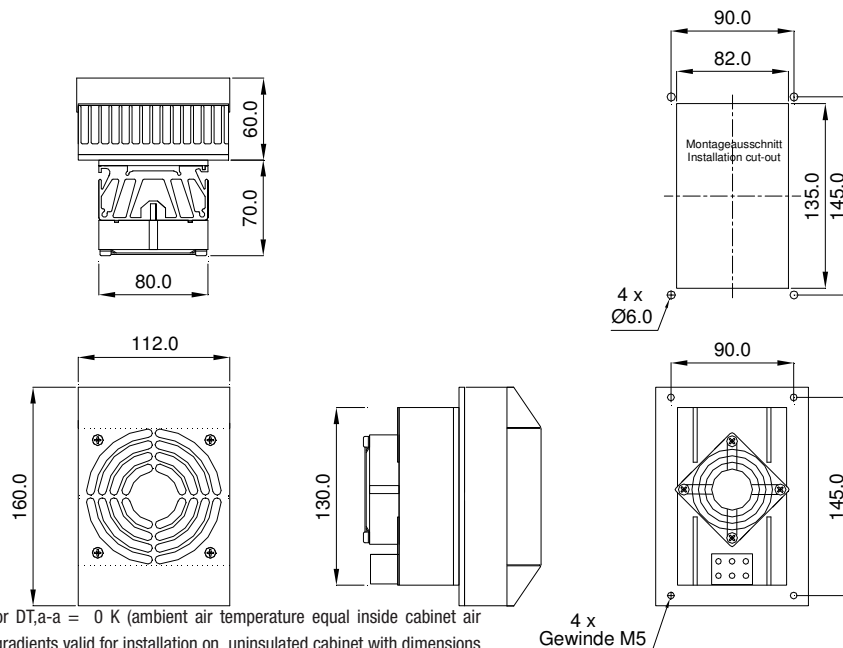
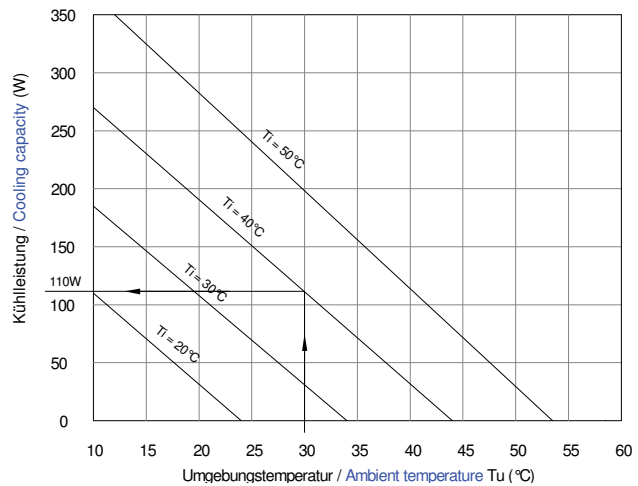


thermoelectric cooler PK 30



Technische Daten Technical data	
Kühlleistung Cooling capacity	30W
Betriebsspannung Operating voltage	24 V DC
Nennstrom Amperage	2,3 A
Betriebstemp. Operating temperature	-10...+60 °C
Zulassung Approval	UL, CE
Schutzart (Außen) Degree of protection outside	IP 43
Gewicht Weight	1,7 kg

Leistungsdiagramm / Performance curve PK 30



Nominal cooling capacity for $DT_{a-a} = 0$ K (ambient air temperature equal inside cabinet air temperature), performance gradients valid for installation on uninsulated cabinet with dimensions 50 x 50 x 30 cm, H x W x D.



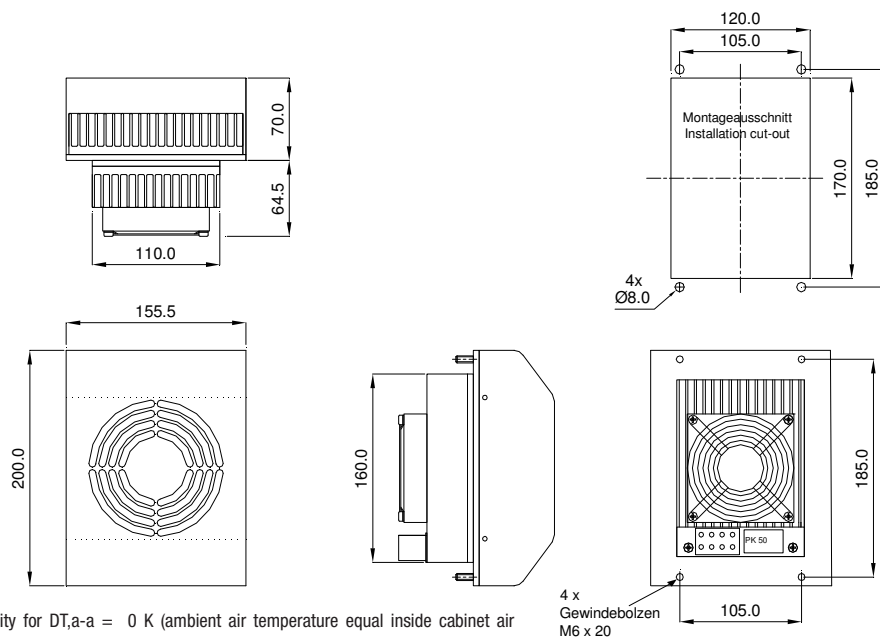
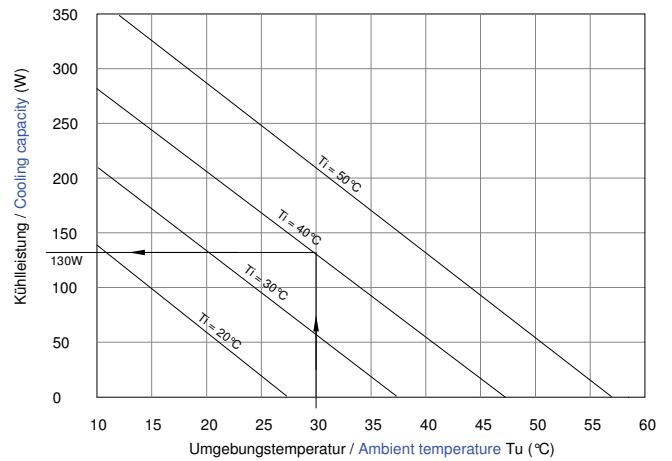
thermoelectric coolers

thermoelectric cooler PK 50



Technische Daten Technical data	
Kühlleistung Cooling capacity	50 W
Betriebsspannung Operating voltage	12 V DC 24 V DC
Nennstrom Amperage	5,0 A 2,5 A
Betriebstemp. Operating temperature	-10...+60 °C
Zulassung Approval	UL, CE
Schutzart (Außen) Degree of protection outside	IP 43 IP 65
Gewicht Weight	3,9 kg

Leistungsdiagramm / Performance curve PK 50



Nominal cooling capacity for $\Delta T_{a-a} = 0 \text{ K}$ (ambient air temperature equal inside cabinet air temperature), performance gradients valid for installation on uninsulated cabinet with dimensions 50 x 50 x 30 cm, H x W x D.



thermoelectric coolers

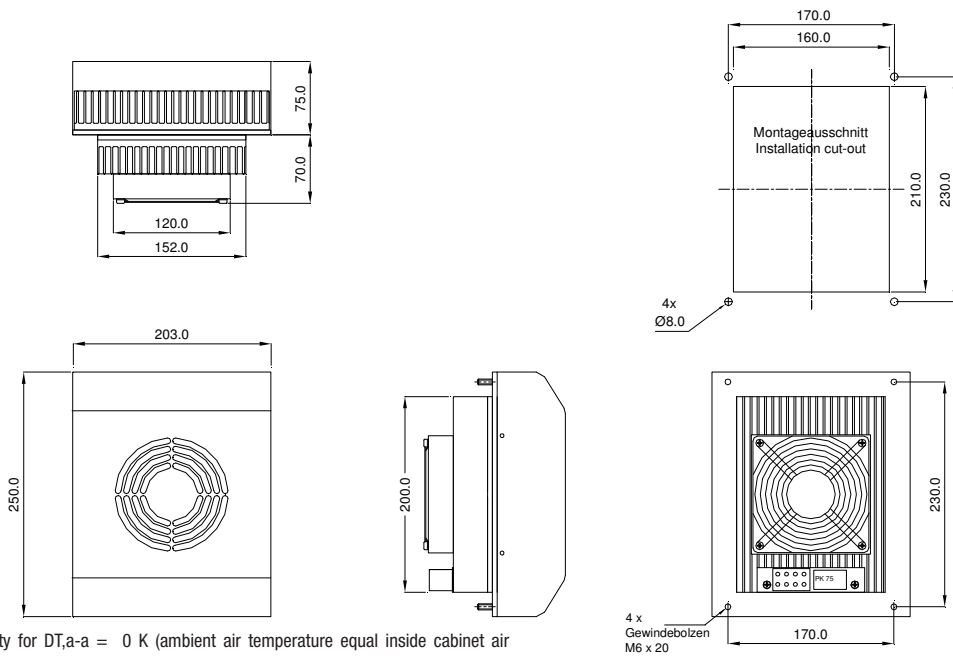
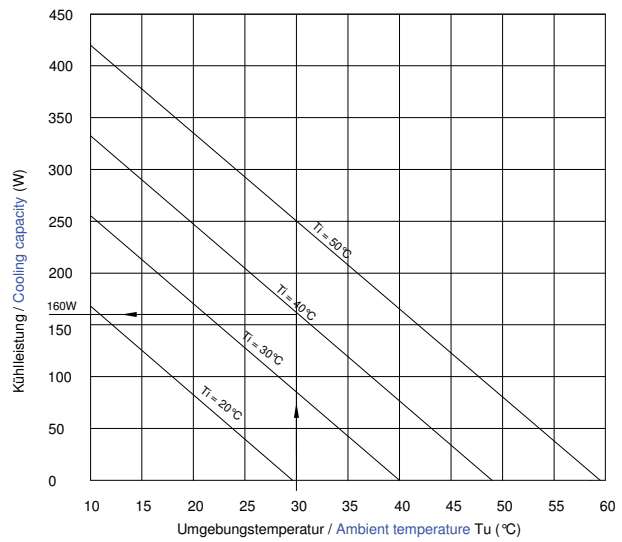


thermoelectric cooler PK 75



Technische Daten / Technical data	
Kühlleistung Cooling capacity	75 W
Betriebsspannung Operating voltage	24 V DC
Nennstrom / Amperage	3,6 A
Betriebstemp. Operating temperature	-10...+60 °C
Zulassung Approval	UL, CE
Schutzart (Außen) Degree of protection outside	IP 65
Gewicht Weight	5,5 kg

Leistungsdiagramm / Performance curve PK 75



Nominal cooling capacity for $\Delta T_{a-a} = 0$ K (ambient air temperature equal inside cabinet air temperature), performance gradients valid for installation on uninsulated cabinet with dimensions 50 x 50 x 30 cm, H x W x D.



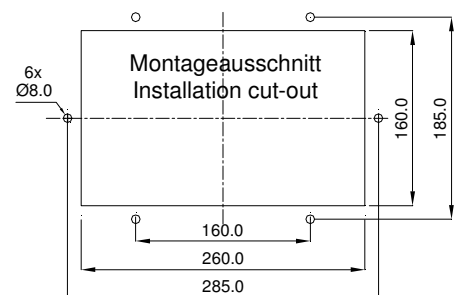
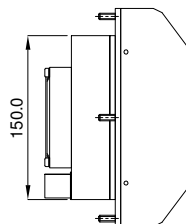
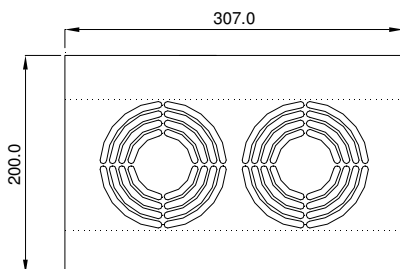
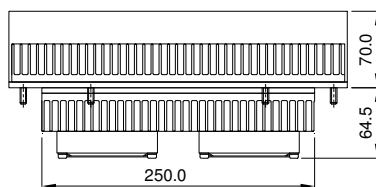
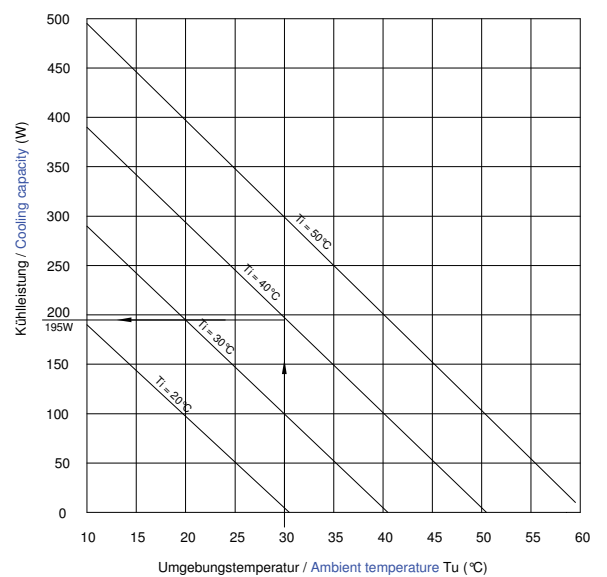
thermoelectric coolers

thermoelectric cooler PK 100

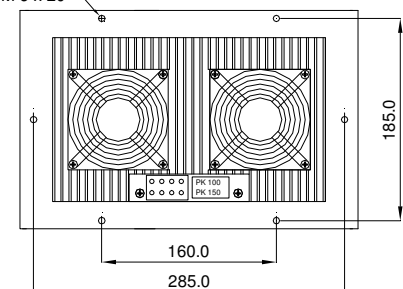


Technische Daten / Technical data	
Kühlleistung Cooling capacity	100 W
Betriebsspannung Operating voltage	24 V DC 12 V DC
Nennstrom / Amperage	5,2 A 10,4 A
Betriebstemp. Operating temperature	-10...+60 °C
Schallpegel Noise level	48 dB(A)
Zulassung Approval	UL, CE
Schutzart (Außen) Degree of protection outside	IP 65
Gewicht Weight	7,2 kg

Leistungsdiagramm / Performance curve PK 100



6 x Gewindebolzen
M 6 x 20



Nominal cooling capacity for $\Delta T_{a-a} = 0$ K (ambient air temperature equal inside cabinet air temperature), performance gradients valid for installation on uninsulated cabinet with dimensions 50 x 50 x 30 cm, H x W x D.



thermoelectric coolers

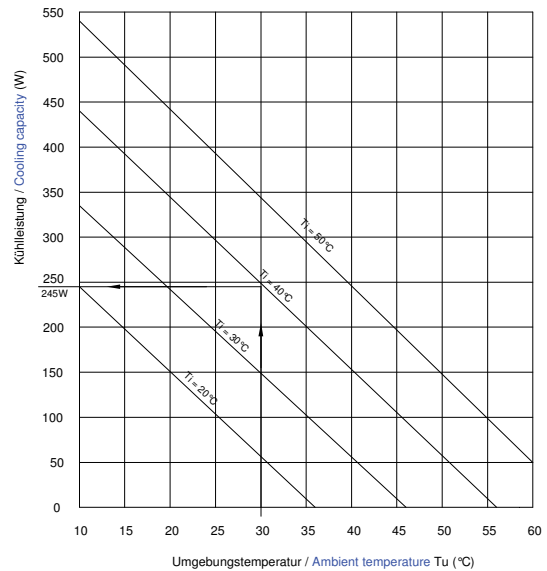


thermoelectric cooler PK 150

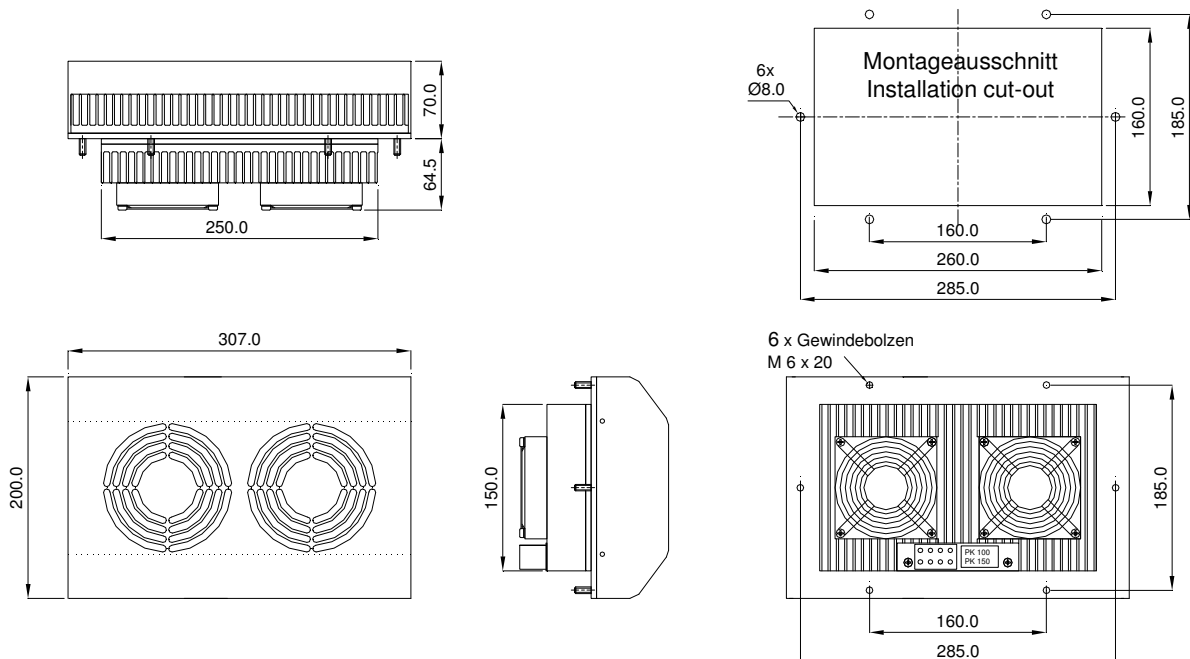


Technische Daten / Technical data	
Kühlleistung Cooling capacity	150 W
Betriebsspannung Operating voltage	24 V DC
Nennstrom / Amperage	7,2 A
Betriebstemp. Operating temperature	-10...+60° C
Zulassung Approval	UL, CE
Schutzart (Außen) Degree of protection outside	IP 65
Gewicht Weight	7,3 kg

Leistungsdiagramm / Performance curve PK 150



Nominal cooling capacity for $\Delta T_{a-a} = 0$ K (ambient air temperature equal inside cabinet air temperature), performance gradients valid for installation on uninsulated cabinet with dimensions 50 x 50 x 30 cm, H x W x D.



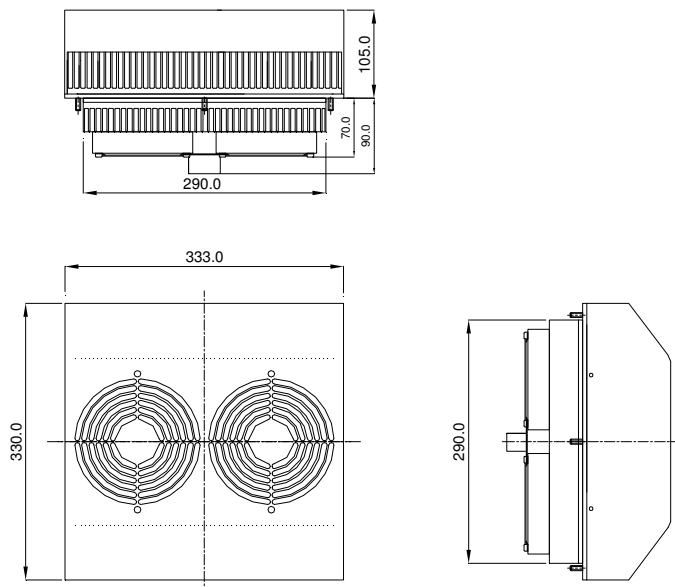
thermoelectric coolers

thermoelectric cooler PK 300

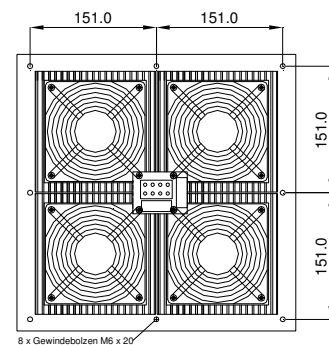
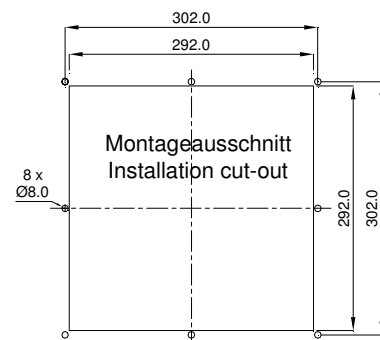
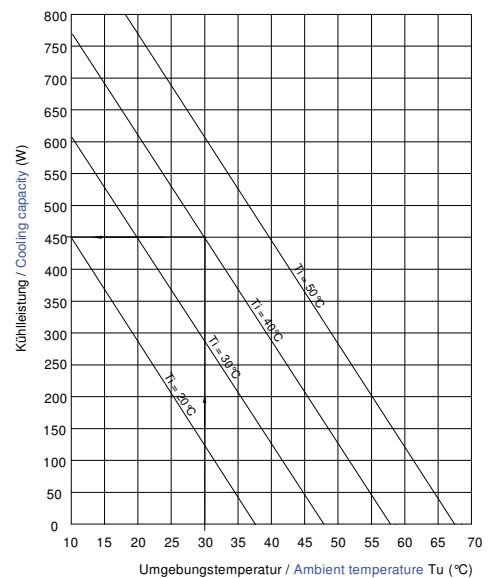


Technische Daten / Technical data	
Kühlleistung Cooling capacity	280 W
Betriebsspannung Operating voltage	24 V DC
Nennstrom / Amperage	15 A
Betriebstemperatur Operating temperature	-10...+60° C
Zulassung Approval	CE
Schutzart (Außen) Degree of protection outside	IP 65
Gewicht Weight	18,5 kg

Nominal cooling capacity for $\Delta T_{a-a} = 0$ K (ambient air temperature equal inside cabinet air temperature), performance gradients valid for installation on uninsulated cabinet with dimensions 50 x 50 x 30 cm, H x W x D.



Leistungsdiagramm / Performance curve PK 300

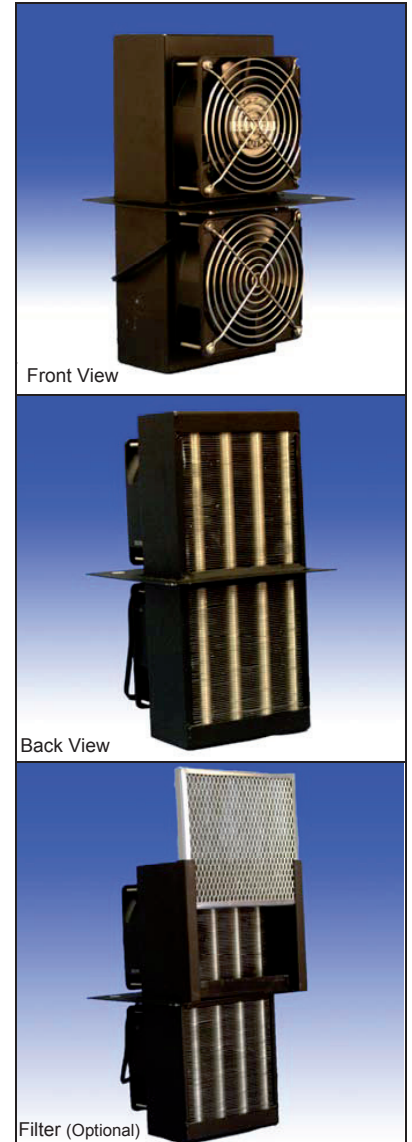
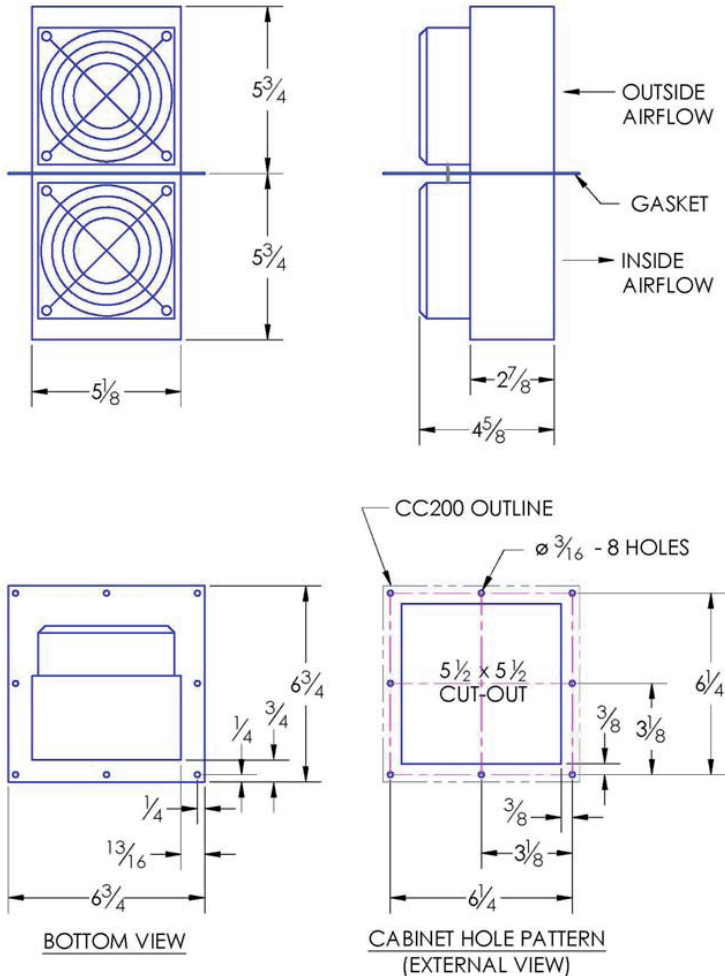


cabinet coolers – heat pipe based

CC200-24 AIR-TO-AIR DROP-IN MODEL

Model	Weight	Rating @ 20°C ΔT BTU / hr	Amps Current Draw at 115 volts AC	Fan Size	Dimensions-Inches (H x W x D)
CC200-24	6 lbs	1,100	0.4	2 x 4"	11-1/2 x 5-1/8 x 4-5/8

Efficiency: 16.5 Watts / °C ΔT based on average internal cabinet temperature.



Specifications:

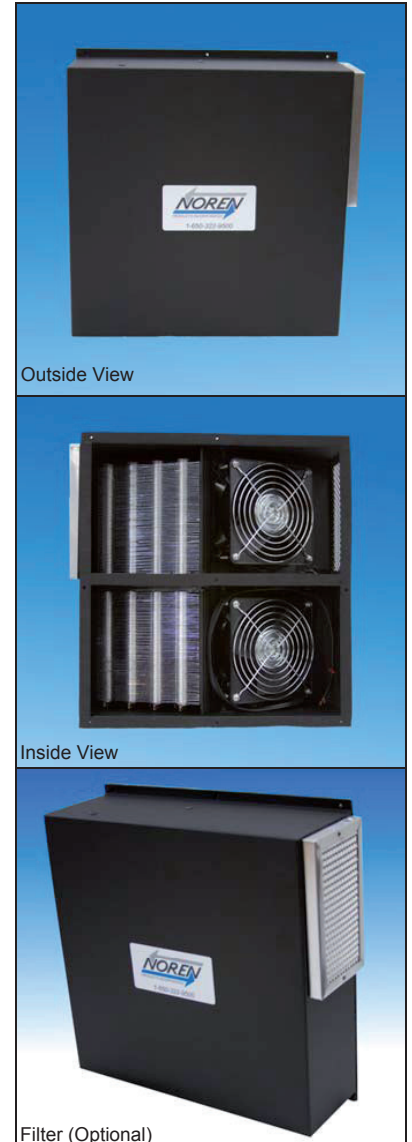
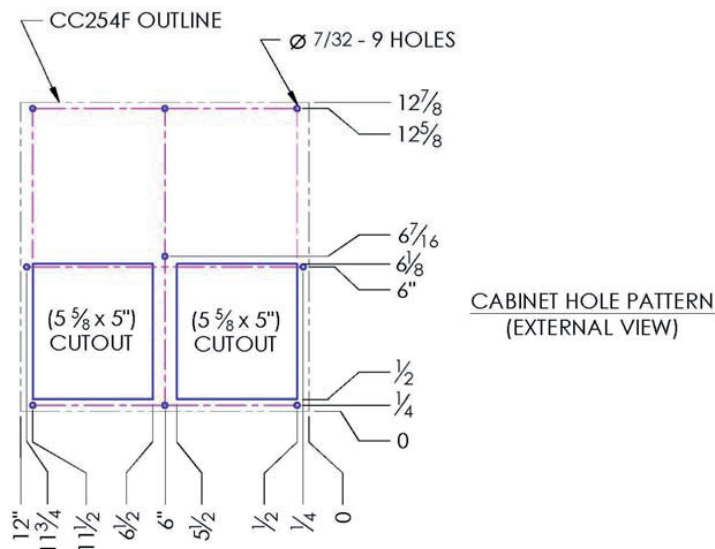
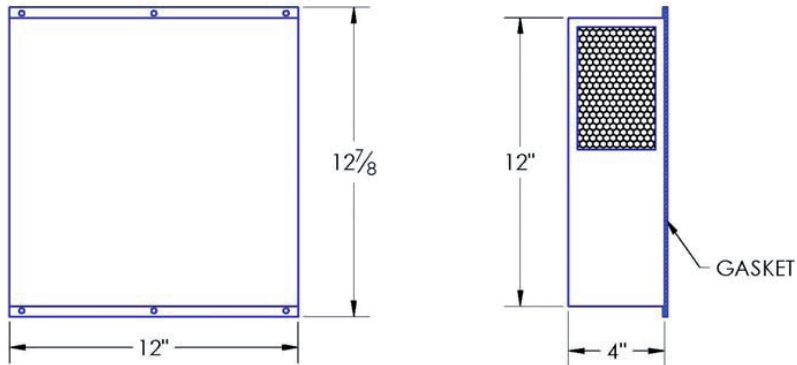
- CC200-24 Rated cooling: 330 Watts at 20°C ΔT (16.5 W/°C, mounted to an uninsulated 24" X 24" X 16" Cabinet)
- Extends 5-3/4" into cabinet
- Housing is aluminum (color is black). Stainless steel is available
- Equipped with mounting gasket to maintain air tight seal
- 115V/230V AC and 12V/48V DC options available
- Unit may be mounted vertically (as shown) or horizontally
- Optional: inlet air-filter kit available upon request
- NEMA 12 rated

cabinet coolers – heat pipe based

CC254F-24 AIR-TO-AIR FLUSH-MOUNT MODEL

Model	Weight	Rating @ 20°C ΔT BTU / hr	Amps Current Draw at 115 volts AC	Fan Size	Dimensions-Inches (H x W x D)
CC254F-24	8 lbs	1,100	0.4	2 x 4"	12-7/8 x 12 x 4

Efficiency: 16.5 Watts / °C ΔT based on average internal cabinet temperature.



Specifications:

- CC254F-24 Rated cooling: 330 Watts at 20°C ΔT (16.5 W/°C, mounted to an uninsulated 24" X 24" X 16" Cabinet)
- Designed for surface mounting on outside of cabinet
- Housing is aluminum (color is black). Stainless steel is available
- Equipped with mounting gasket to maintain air tight seal
- 115V/230V AC and 12V/48V DC options available
- Unit may be mounted vertically (as shown) or horizontally
- Optional: inlet air-filter kit available upon request
- NEMA 12 rated



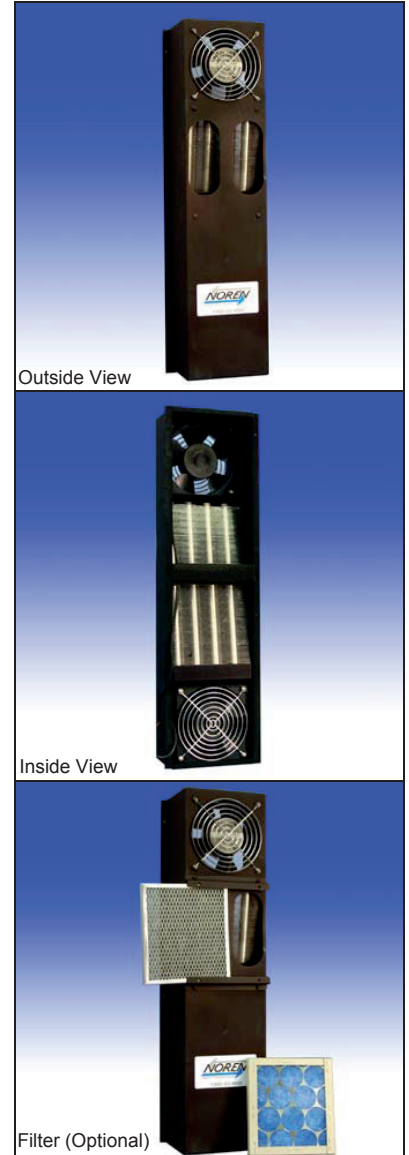
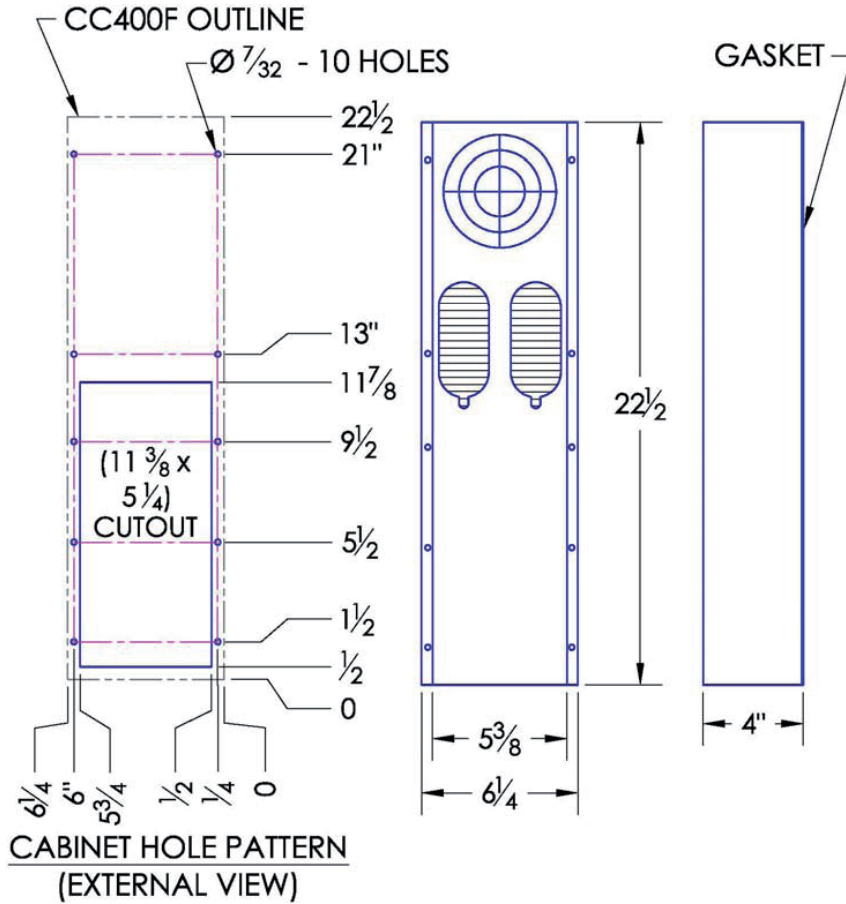
cabinet coolers – heat pipe based



CC400F-24 AIR-TO-AIR FLUSH-MOUNT MODEL

Model	Weight	Rating @ 20°C ΔT BTU/hr	Amps Current Draw at 115 volts AC	Fan Size	Dimensions-Inches (H x W x D)
CC400F-24	10 lbs	1,400	0.4	2 x 4"	22-1/2 x 6-1/4 x 4

Efficiency: 20.4 Watts / °C ΔT based on average internal cabinet temperature.



Specifications:

- CC400F-24 Rated cooling: 408 Watts at 20°C ΔT (20.4 W/°C, mounted to an uninsulated 24" X 24" X 16" Cabinet)
- Extends 5-3/4" into cabinet
- Housing is aluminum (color is black). Stainless steel is available
- Equipped with mounting gasket to maintain air tight seal
- 115V/230V AC and 12V/48V DC options available
- Unit may be mounted vertically (as shown) or horizontally
- Optional: inlet air-filter kit available upon request
- NEMA 12 rated

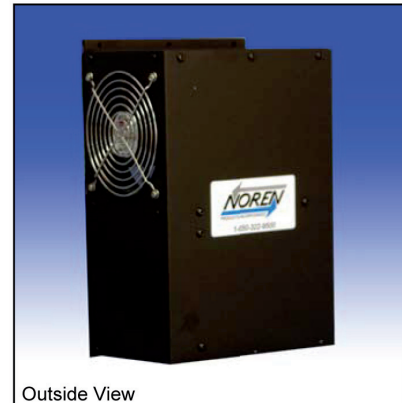
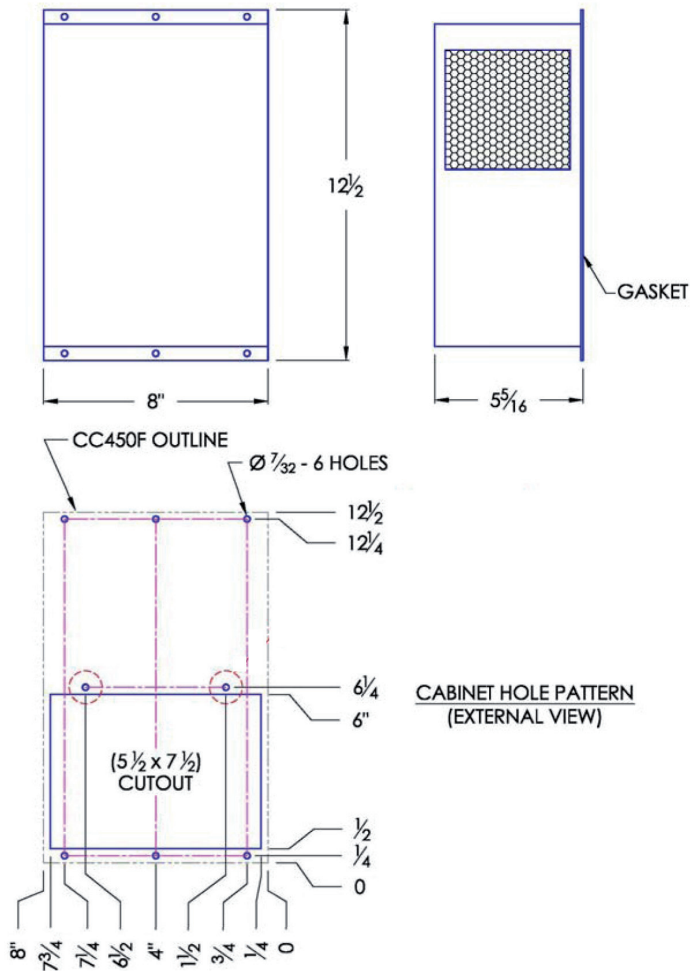


cabinet coolers – heat pipe based

CC450F-24 AIR-TO-AIR FLUSH-MOUNT MODEL

Model	Weight	Rating @ 20°C ΔT BTU / hr	Amps Current Draw at 115 volts AC	Fan Size 2 x 4"	Dimensions-Inches (H x W x D)
CC450F	9 lbs	1,400	0.4	2 x 4"	12-1/2 x 8 x 5-5/16

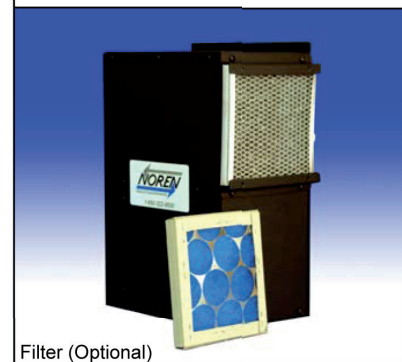
Efficiency : 21.0 Watts / °C ΔT based on average internal cabinet temperature.



Outside View



Inside View



Filter (Optional)

Specifications:

- CC450F-24 Rated cooling: 420 Watts at 20°C ΔT (21 W/°C, mounted to an uninsulated 24" X 24" X 16" Cabinet)
- Designed for surface mounting on outside of cabinet
- Housing is aluminum (color is black). Stainless steel is available
- Equipped with mounting gasket to maintain air tight seal
- 115V/230V AC and 12V/48V DC options available
- Unit may be mounted vertically (as shown) or horizontally
- Optional: inlet air-filter kit available upon request
- NEMA 12 rated



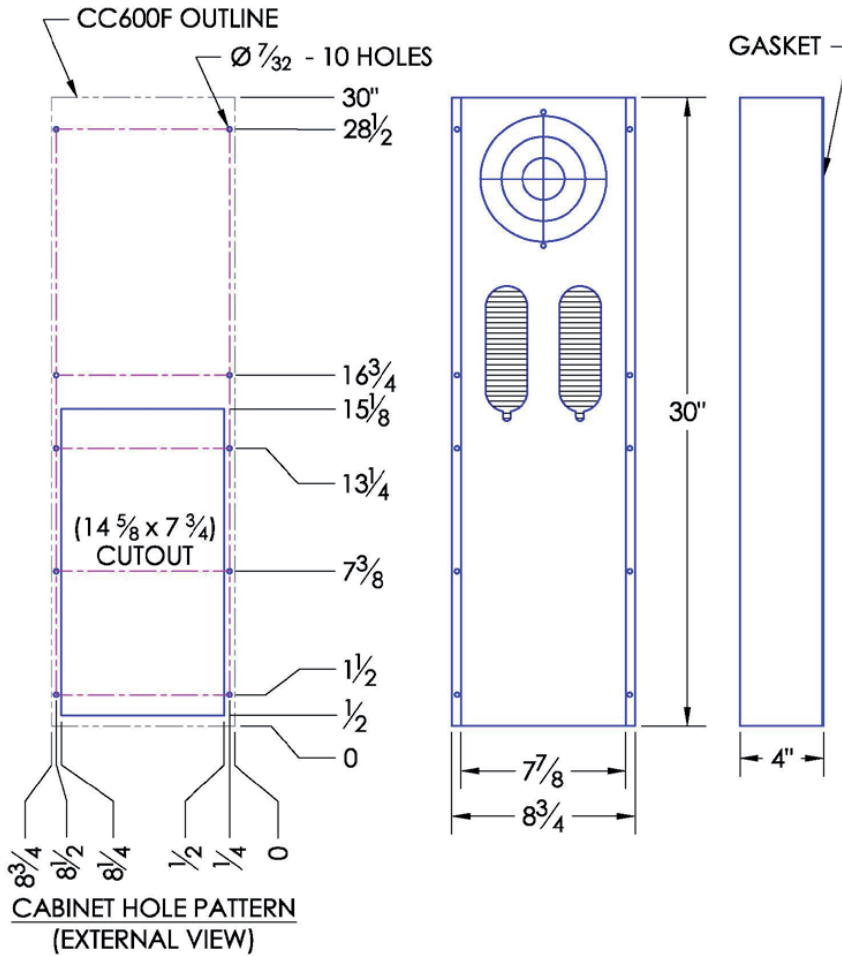
cabinet coolers – heat pipe based



CC600F-24 AIR-TO-AIR FLUSH-MOUNT MODEL

Model	Weight	Rating @ 20°C ΔT BTU / hr	Amps Current Draw at 115 volts AC	Fan Size	Dimensions-Inches (H x W x D)
CC600F-24	14 lbs	3,300	0.6	2 x 6"	30 x 8-3/4 x 4

Efficiency: 49.4 Watts / °C ΔT based on average internal cabinet temperature.



Specifications:

- CC600F-24 Rated cooling: 988 Watts at 20°C ΔT (49.4 W/°C, mounted to an uninsulated 72" X 36" X 24" Cabinet)
- Designed for surface mounting on outside of cabinet
- Housing is aluminum (color is black). Stainless steel is available
- Equipped with mounting gasket to maintain air tight seal
- 115V/230V AC and 12V/48V DC options available
- Vertical and horizontal mounting ok
- Optional: inlet air-filter kit available upon request
- NEMA 12 rated

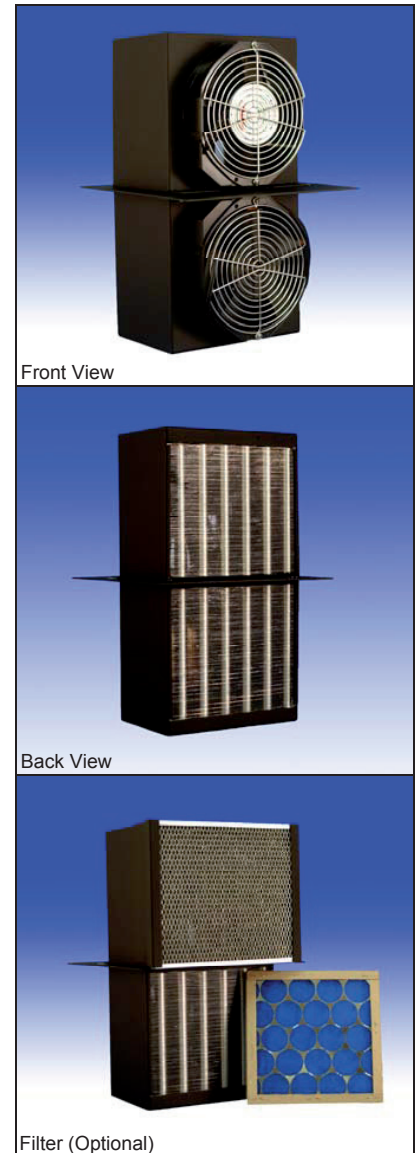
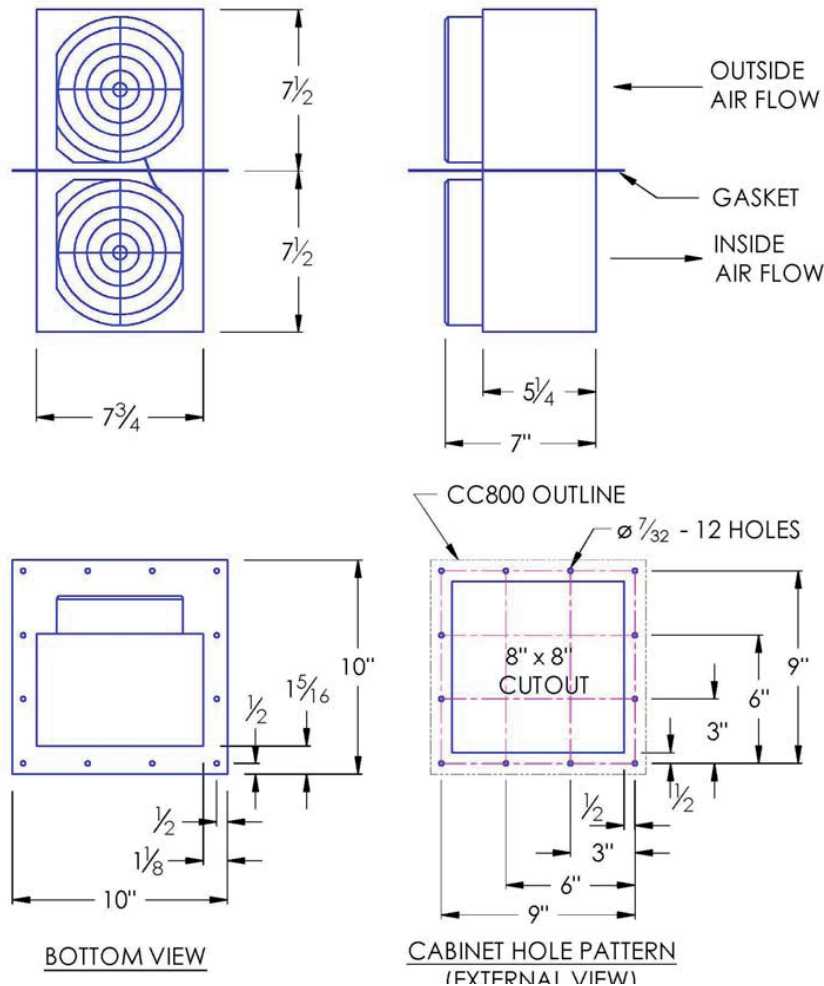


cabinet coolers – heat pipe based

CC800-24 AIR-TO-AIR DROP-IN MODEL

Model	Weight	Rating @ 20°C ΔT BTU / hr	Amps Current Draw at 115 volts AC	Fan Size	Dimensions-Inches (H x W x D)
CC800-24	16 lbs	3,800	0.6	2 x 6"	15 x 7-3/4 x 7

Efficiency: 55.2 Watts / °C ΔT based on average internal cabinet temperature.



Specifications:

- CC800-24 Rated cooling: 1,100 Watts at 20°C ΔT (55.2 W/°C, mounted to an uninsulated 72" X 36" X 24" Cabinet)
- Extends 7-1/2" into cabinet
- Housing is aluminum (color is black). Stainless steel is available
- Equipped with mounting gasket to maintain air tight seal
- 115V/230V AC and 12V/48V DC options available
- Unit may be mounted vertically (as shown) or horizontally
- Optional: inlet air-filter kit available upon request
- NEMA 12 rated



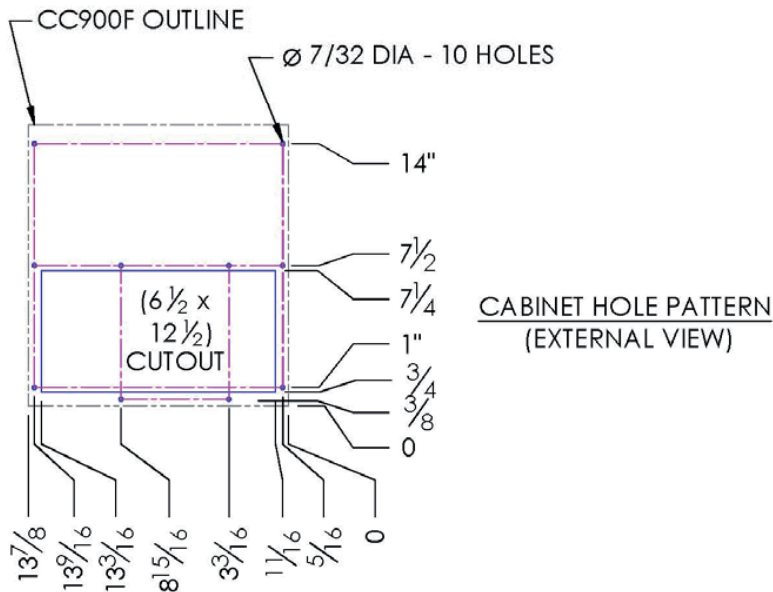
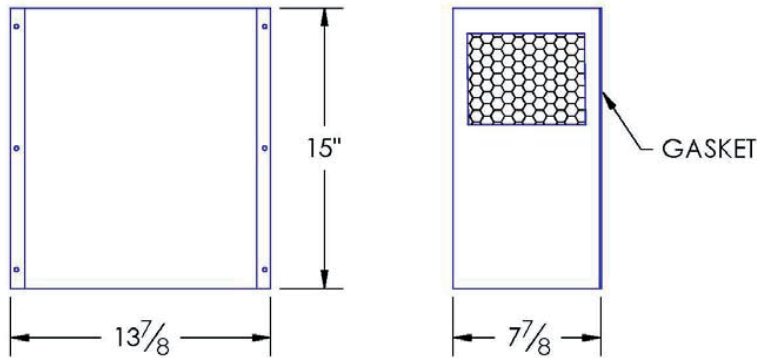
cabinet coolers – heat pipe based



CC900F-24 AIR-TO-AIR FLUSH-MOUNT MODEL

Model	Weight	Rating @ 20°C ΔT BTU / hr	Amps Current Draw at 115 volts AC	Fan Size	Dimensions-Inches (H x W x D)
CC900F-24	16 lbs	4,500	0.6	2 x 6"	15 x 13-7/8 x 7-7/8

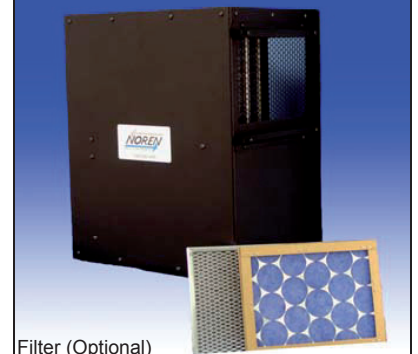
Efficiency: 66.0 Watts / °C ΔT based on average internal cabinet temperature.



Outside View



Inside View



Filter (Optional)

Specifications:

- CC900F-24 Rated cooling: 1.320 Watts at 20°C ΔT (66 W/°C, mounted to an uninsulated 72" X 36" X 24" Cabinet)
- Designed for surface mounting on outside of cabinet
- Housing is aluminum (color is black). Stainless steel is available
- Equipped with mounting gasket to maintain air tight seal
- 115V/230V AC and 12V/48V DC options available
- Unit may be mounted vertically (as shown) or horizontally
- Optional: inlet air-filter kit available upon request
- NEMA 12 rated

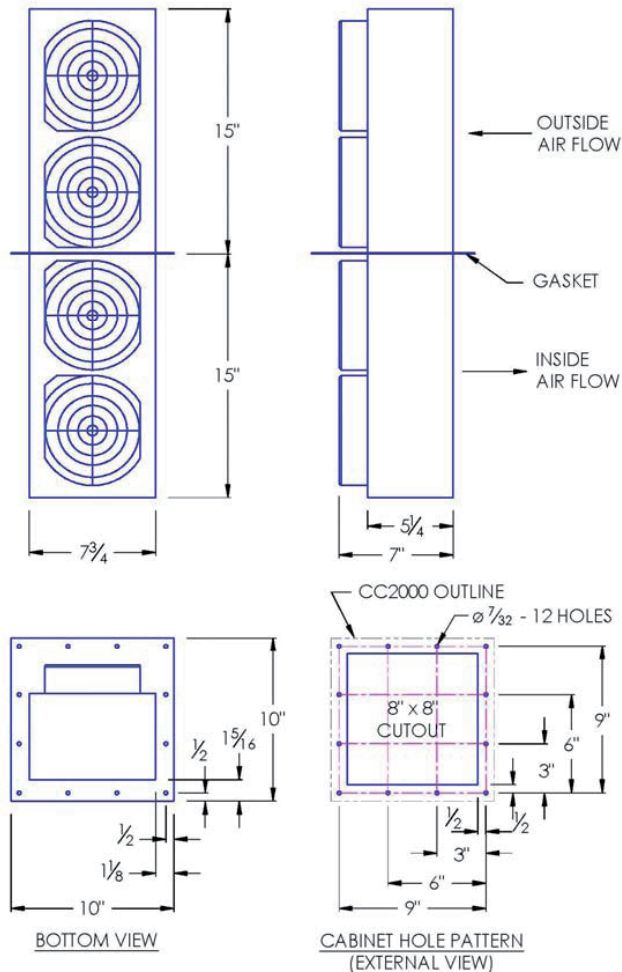


cabinet coolers – heat pipe based

CC2000-24 AIR-TO-AIR DROP-IN MODEL

Model	Weight	Rating @ 20°C ΔT BTU / hr	Amps Current Draw at 115 volts AC	Fan Size	Dimensions-Inches (H x W x D)
CC2000-24	28 lbs	7,500	1.2	4 x 6"	30 x 7-3/4 x 7

Efficiency: 110.4 Watts / °C ΔT based on average internal cabinet temperature.



Specifications:

- CC2000-24 Rated cooling: 2.208 Watts at 20°C ΔT (110.4 W/°C, mounted to an uninsulated 72" X 36" X 24" Cabinet)
- Extends 15" into cabinet
- Housing is aluminum (color is black). Stainless steel is available
- Equipped with mounting gasket to maintain air tight seal
- 115V/230V AC and 12V/48V DC options available
- Unit may be mounted vertically (as shown) or horizontally
- Optional: inlet air-filter kit available upon request
- NEMA 12 rated



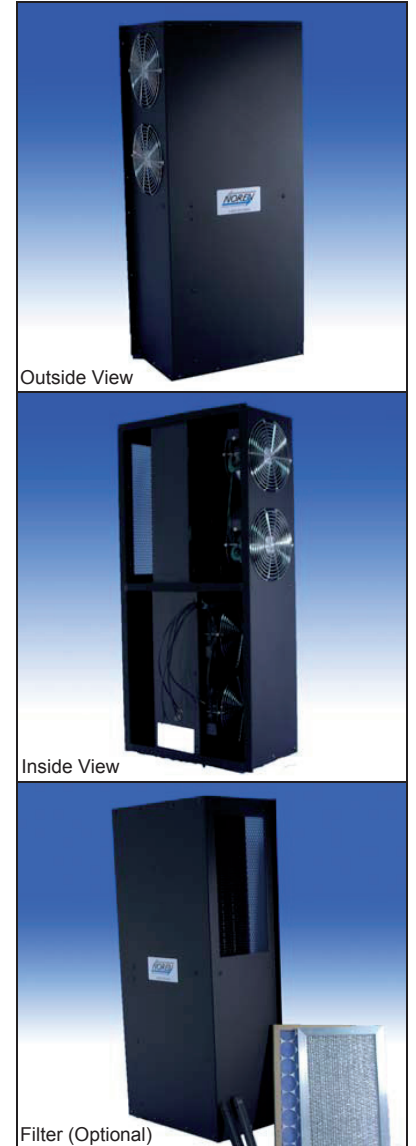
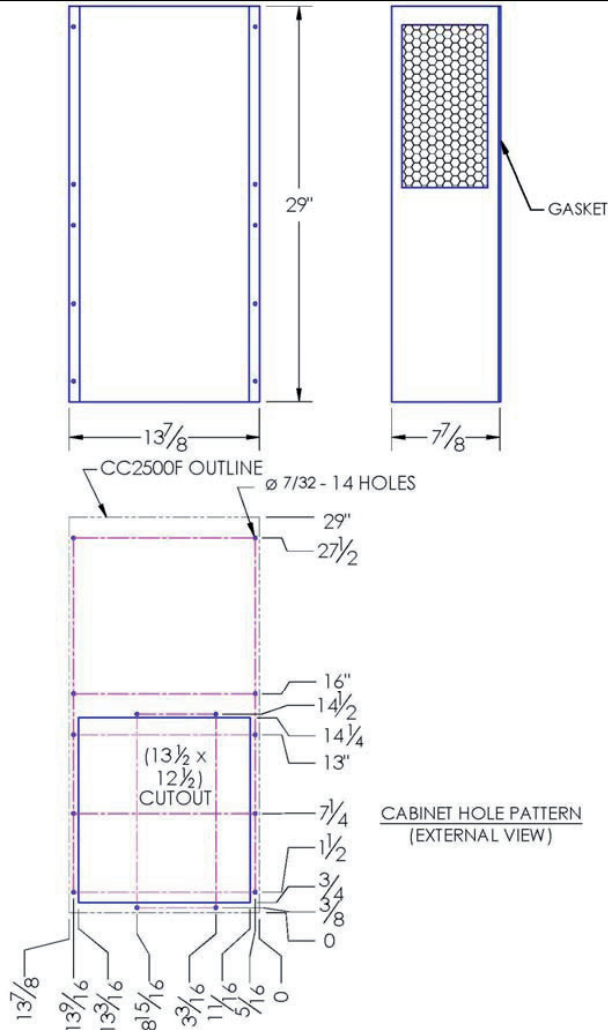
cabinet coolers – heat pipe based



CC2500F-24 AIR-TO-AIR FLUSH-MOUNT MODEL

Model	Weight	Rating @ 20°C ΔT BTU / hr	Amps Current Draw at 115 volts AC	Fan Size	Dimensions-Inches (H x W x D)
CC2500F-24	30 lbs	7,100	1.2	4 x 6"	29 x 13-7/8 x 7-7/8

Efficiency: 104.0 Watts / °C ΔT based on average internal cabinet temperature.



Specifications:

- CC2500F-24 Rated cooling: 2.080 Watts at 20°C ΔT (104 W/°C, mounted to an uninsulated 72" X 36" X 24" Cabinet)
- Designed for surface mounting on outside of cabinet
- Housing is aluminum (color is black). Stainless steel is available
- Equipped with mounting gasket to maintain air tight seal
- 115V/230V AC and 12V/48V DC options available
- Unit may be mounted vertically (as shown) or horizontally
- Optional: inlet air-filter kit available upon request
- NEMA 12 rated

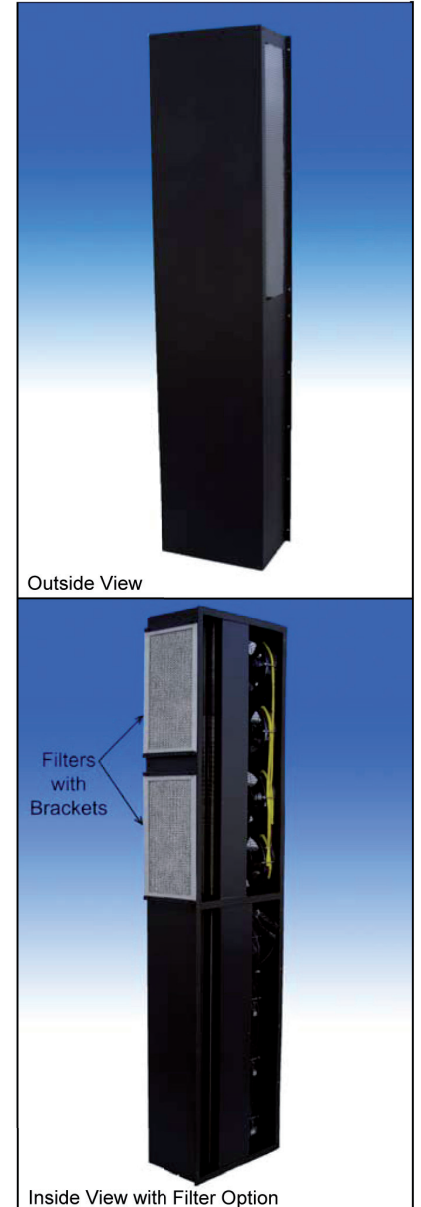
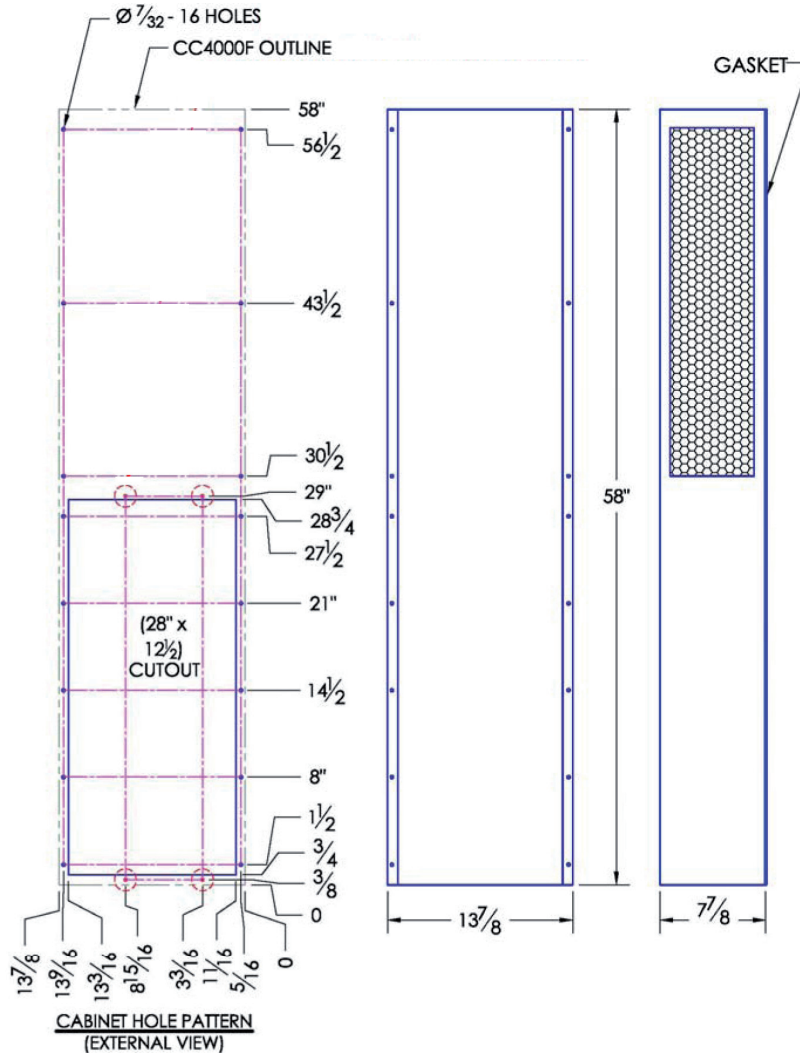


cabinet coolers – heat pipe based

CC4000F-24 AIR-TO-AIR FLUSH-MOUNT MODEL

Model	Weight	Rating @ 40°C ΔT BTU / hr	Amps Current Draw at 115 volts AC	Fan Size	Dimensions-Inches (H x W x D)
CC4000F-24	60 lbs	13,700	2.4	8 x 6"	58 x 13-7/8 x 7-7/8

Efficiency: 200.0 Watts / °C ΔT based on average internal cabinet temperature.



Specifications:

- Rated cooling: 4.000 Watts at 20°C ΔT (200 W/°C, mounted to an uninsulated 72" X 36" X 24" Cabinet)
- Designed for surface mounting on the outside of cabinet
- Housing is aluminum (color is black). Stainless steel is available
- Equipped with mounting gasket to maintain air tight seal
- 115V/230V AC and 12V/48V DC options available
- Unit may be mounted vertically (as shown) or horizontally
- Optional: inlet air-filter kit available upon request
- NEMA 12 rated



compressor cooling unit

mAC-C-400-24-KIT mini Air Conditioning Kit – Cooling Capacity 400 W



Front



Back



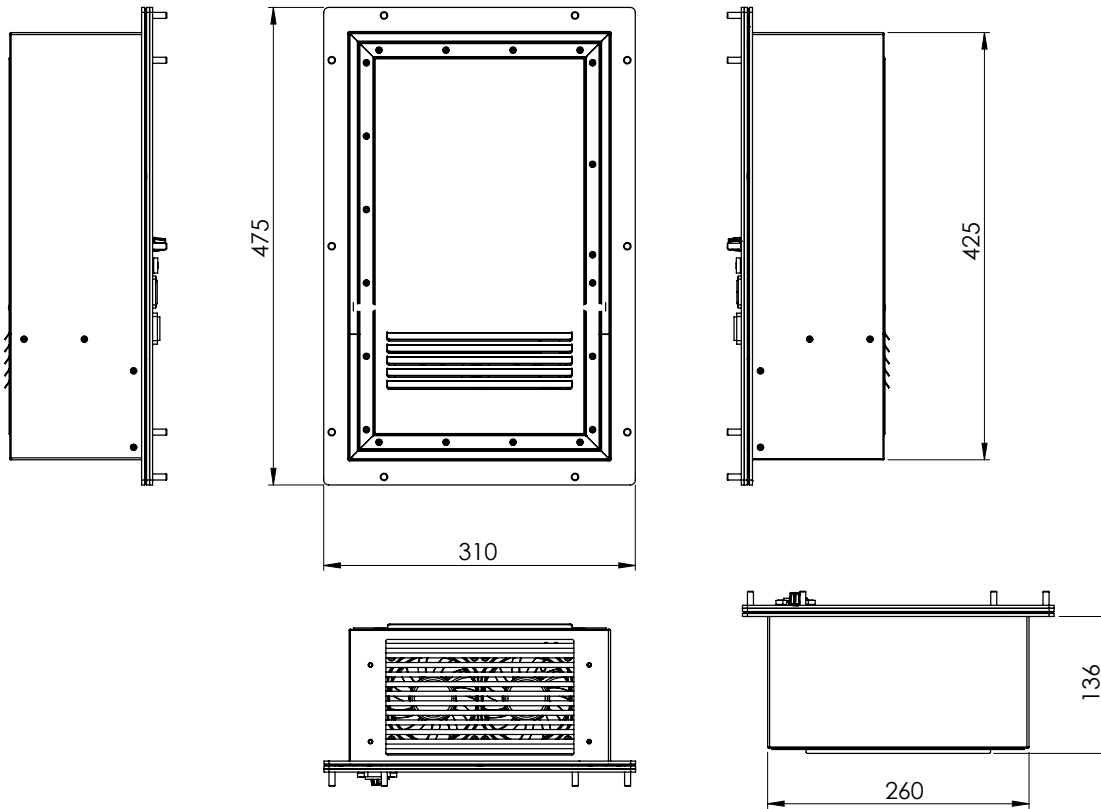
Side

mAC-KIT is a “mini Air Conditioning” development kit for creating particularly compact, compressor-based cabinet coolers for cooling capacities up to 400 W. Miniature rotary compressors as well as customized condensers and evaporators are utilized to significantly reduce size and weight compared to Peltier-based cabinet coolers, while providing a highly efficient vapor compression circuit. With its 24 VDC supply voltage, the mAC-C-400-24-KIT can be operated on the cabinet’s 24 VDC voltage rail, independent of mains voltage.

specifications

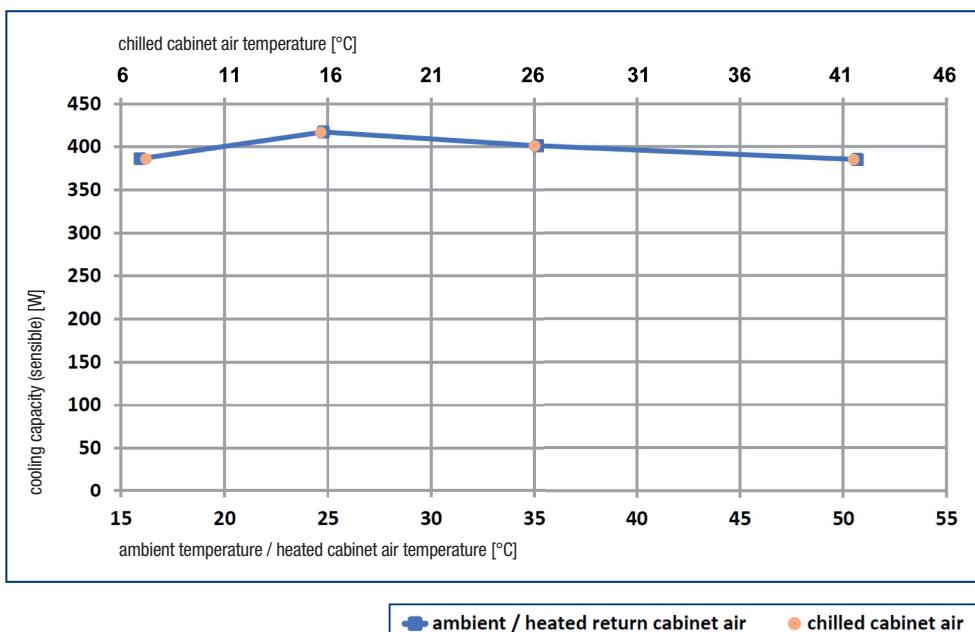
cooling capacity	400 W
operating voltage	24 VDC
operating current	max. 13 A
power consumption	max. 310 W
dimensions (l × w × h)	310 × 150 × 475 mm
external working temperature range	+10 to +50 °C
internal working temperature range	+15 to +40 °C
temperature stability	± 0.5 K
temperature setting	local control, USB/serial, Ethernet
orientation	flush mount, side wall or door
duty cycle	100%
refrigerant	R134a, 130 g (0.19 tequCO ₂)
cooling circuit max. pressure	22.06 bar
environmental protection level, enclosure side	IP2X
environmental protection level, ambient side	IP65 – suitable for harsh environments
material	sheet steel
weight	10 kg
approvals	CE

dimensions



performance

mAC-C-400-24-KIT, 100 rps, internal air circulation 130 m³/h, 55 % r. h.



thermoelectric cooling unit

mAC-T-460-24-KIT mini Air Conditioning Kit – Cooling Capacity 450 W

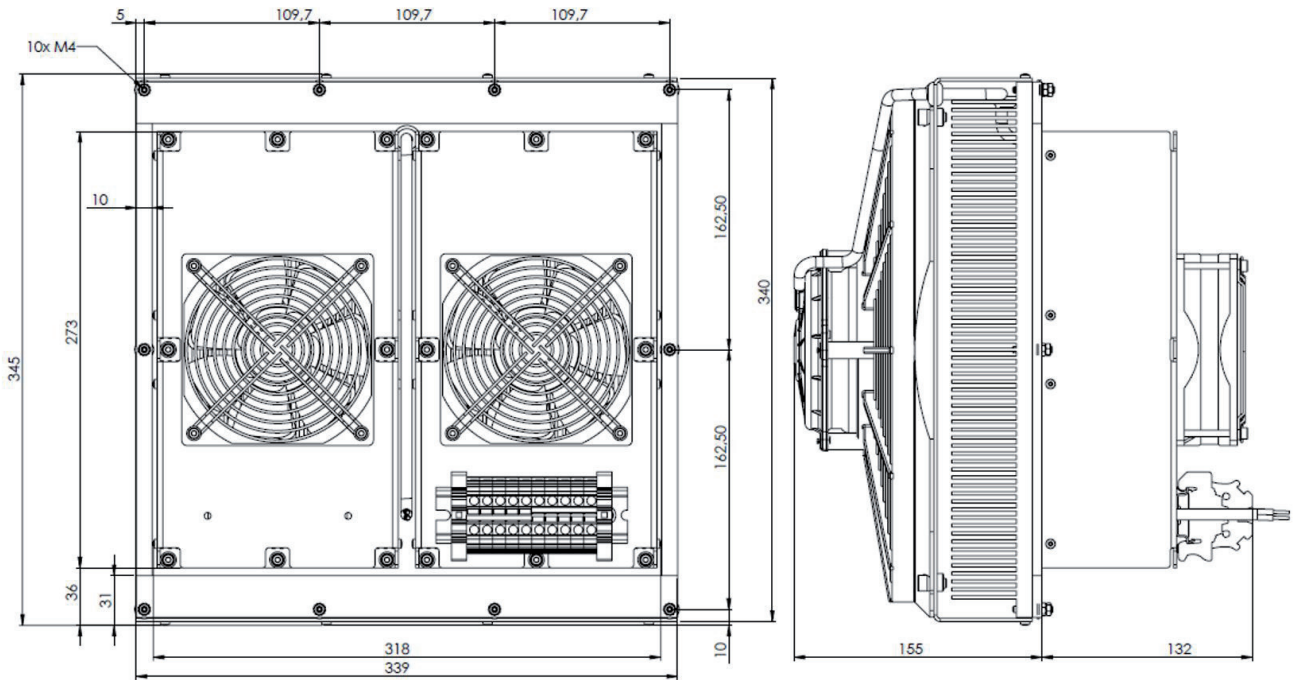


mAC-T-460-24-KIT is a mini Air Conditioning kit based on thermoelectric (Peltier) technology. Its solid state thermoelectric assembly is suitable for harsh environments where compressor-based coolers cannot withstand high temperatures, shock and vibration or operation on moving or turning equipment. The Peltier modules can be operated up to 36 VDC. At nominal 24 VDC and +35°C/+35°C (ambient/internal), the mAC-T-460-24-KIT reaches a cooling capacity of 460 W and a COP (coefficient of performance) of 0.55.

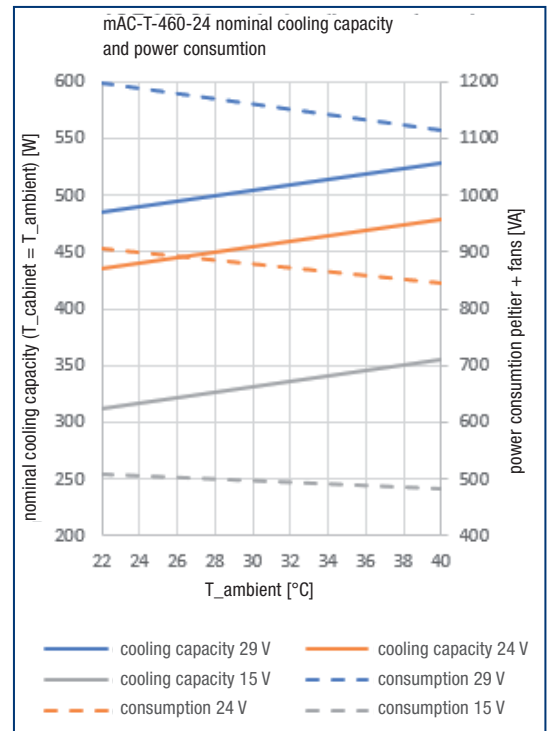
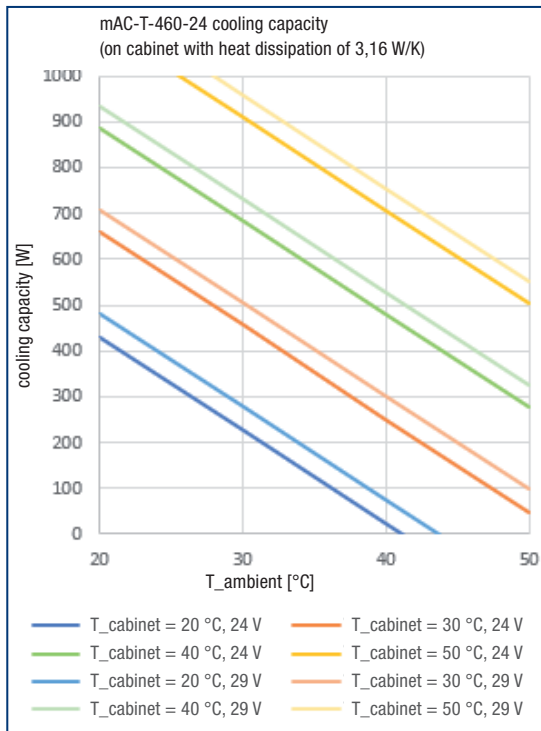
specifications

cooling capacity	460 W (@24 V)
operating voltage	24 VDC (15 to 36 VDC)
operating current	38 A (24 V), max. envir
power consumption	863 W (@24 V, +40°C ambient), max. 1200 W
dimensions (l × w × h)	287 (155 external + 132 intruding) x 339 x 345
external working temperature range	-40°C to +70°C
internal working temperature range	-40°C to +70°C
temperature stability	on/off hysteresis >5 K
temperature setting	2-point thermostat
orientation	top, side wall, bottom, inclined, moving
environmental protection level, enclosure side	IP2X
material	aluminium
weight	22 kg
approvals	-

dimensions



performance





- Optical Technologies
- Power Technologies
- Thermal Management





SOLUTIONS



enabling your ideas.

Optical, Power and Thermal Management Technologies

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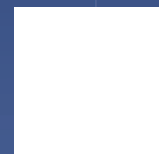
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