

Thermocooler Series. Air-to-air thermoelectric cooler.



Features

- Compact solid state design
- DC operation
- Optional custom electronic control system
- Other voltages on demand
- RoHS compliant, conforming IP54
- ETL Intertek approved

Typical applications

- Electronics / Electrical enclosures
- Analytical / Medical instrumentation
- Industrial instrumentation
- Food and beverage cooling
- Telecommunication cabinets

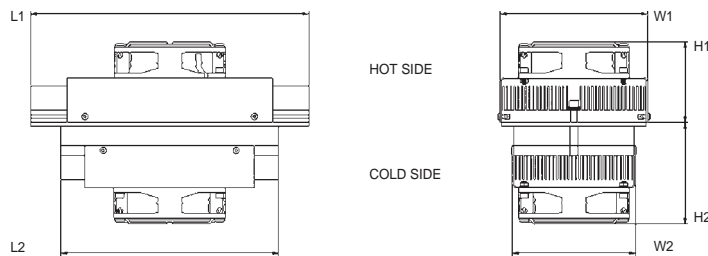
DBK's knowledge of thermal management gives us the experience to guide and support you with your technical challenges - we can manage the complete project from concept to full production release.

Thermocooler Model		A 60	A 100	A 150	A 200
Rated cooling power	W	60	100	150	200
Rated current	A	3.3	5.8	8.5	12
Nominal voltage	Vdc	24 (options available)			
Operating temperature	°F / °C	14 to 122 / -10 to 50			
Cold side airflow at zero stac pressure	cfm / m³/h	53.8 / 91	58 / 99	73 / 124	107 / 182
Hot side airflow at zero stac pressure	cfm / m³/h	53.8 / 91	115 / 195	135 / 229	135 / 229
L10 at 104°F / 40°C fans	hrs.	65,000	65,000	65,000	65,000
Weight approx.	kg	3	4.5	5.5	7.5
Standard lead length	mm	600 (options available)			
Length L1 / L2	mm	230 / 180	300 / 230	300 / 250	400 / 350
Width W1 / W2	mm	122 / 102	153 / 123	153 / 153	153 / 153
Heighth H1 / H2	mm	67 / 83.7	74 / 90.2	80 / 85	86 / 100

The Thermocooler Series are air-to-air thermoelectric coolers, employing forced air convection provided by IP54 axial fans.

The standard Thermo Cooler range provides assemblies from 60W to 200W. Custom designs are available by request. DBK will be pleased to service your specific requirements including Direct and Liquid cooling.

Design Drawings



Thermocooler A60. Air-to-air thermoelectric cooler.



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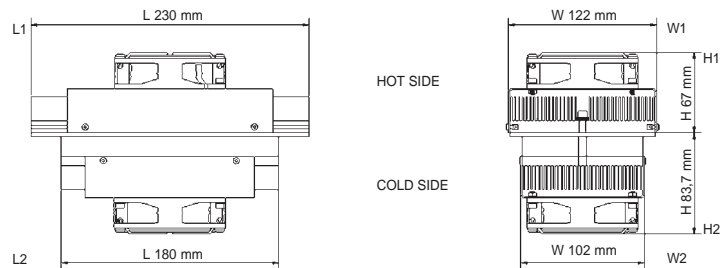
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Thermocooler Model	A 60	
Rated cooling power	W	60
Rated current	A	3.3
Nominal voltage	Vdc	24 (options available)
Operating temperature	°F / °C	14 to 122 / -10 to 50
Cold side airflow at zero stac pressure	cfm / m³/h	53.8 / 91
Hot side airflow at zero stac pressure	cfm / m³/h	53.8 / 91
L10 at 104°F / 40°C fans	hrs.	65,000
Weight approx.	kg	3
Standard lead length	mm	600 (options available)
Length L1 / L2	mm	230 / 180
Width W1 / W2	mm	122 / 102
Heigth H1 / H2	mm	67 / 83.7

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Design Drawings



Thermocooler A100. Air-to-air thermoelectric cooler.



Features

- Compact solid state design
- DC operation
- Optional custom electronic control system
- Other voltages on demand
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- ETL Intertek approved

Typical applications

- Electronics / Electrical enclosures
- Analytical / Medical instrumentation
- Industrial instrumentation
- Food and beverage cooling
- Telecommunication cabinets

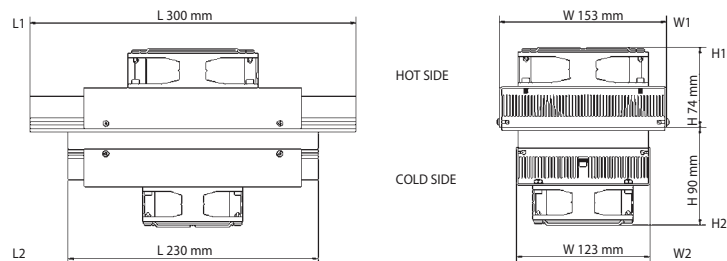
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Thermocooler Model	A 100	
Rated cooling power	W	100
Rated current	A	5.8
Nominal voltage	Vdc	24 (options available)
Operating temperature	°F / °C	14 to 122 / -10 to 50
Cold side airflow at zero stac pressure	cfm / m³/h	58 / 99
Hot side airflow at zero stac pressure	cfm / m³/h	115 / 195
L10 at 104°F / 40°C fans	hrs.	65,000
Weight approx.	kg	4.5
Standard lead length	mm	600 (options available)
Length L1 / L2	mm	300 / 230
Width W1 / W2	mm	153 / 123
Heigh H1 / H2	mm	74 / 90.2

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Design Drawings



Thermocooler A150. Air-to-air thermoelectric cooler.



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- Compact solid state design
- DC operation
- Optional custom electronic control system
- Other voltages on demand
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Typical applications

- Electronics / Electrical enclosures
- Analytical / Medical instrumentation
- Industrial instrumentation
- Food and beverage cooling
- Telecommunication cabinets

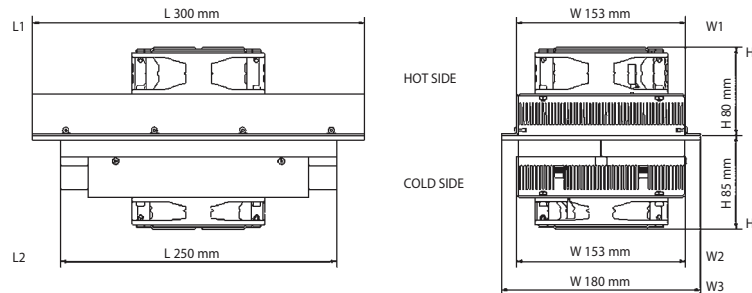
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Thermocooler Model	A 150	
Rated cooling power	W	150
Rated current	A	8.5
Nominal voltage	Vdc	24 (options available)
Operating temperature	°F / °C	14 to 122 / -10 to 50
Cold side airflow at zero stac pressure	cfm / m³/h	73 / 124
Hot side airflow at zero stac pressure	cfm / m³/h	135 / 229
L10 at 104°F / 40°C fans	hrs.	65,000
Weight approx.	kg	5.5
Standard lead length	mm	600 (options available)
Length L1 / L2	mm	300 / 250
Width W1 / W2 / W3	mm	153 / 153 / 180
Heigth H1 / H2	mm	80 / 85

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Design Drawings



Thermocooler A200. Air-to-air thermoelectric cooler.



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Typical applications

- Electronics / Electrical enclosures
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Thermocooler Model	A 200	
Rated cooling power	W	200
Rated current	A	12
Nominal voltage	Vdc	24 (options available)
Operating temperature	°F / °C	14 to 122 / -10 to 50
Cold side airflow at zero stac pressure	cfm / m³/h	107 / 182
Hot side airflow at zero stac pressure	cfm / m³/h	135 / 229
L10 at 104°F / 40°C fans	hrs.	65,000
Weight approx.	kg	7.5
Standard lead length	mm	600 (options available)
Length L1 / L2	mm	400 / 350
Width W1 / W2 / W3	mm	153 / 153 / 180
Heigh H1 / H2	mm	86 / 100

The Thermocooler Series are air-to-air thermoelectric coolers, employing forced air convection provided by IP54 axial fans.

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Design Drawings

