A WORLD OF COMFORT

埃贝赫
Eberspächer



CLIMATE CONTROL SYSTEMS / CONSTRUCTION

HARD WORK – PERFECT TEMPERATURE

Heating & Air Conditioning Solutions

EBERSPÄCHER GROUP

28 countries

10,000 employees

80 locations

4.9 billion euros in total revenue

Headquarters
Esslingen, Germany

CLIMATE CONTROL SYSTEMS

Eberspächer







Enhanced application expertise for heating and cooling

Extensive product portfolio for heating and cooling

Accessories for large variety of applications

Kalori A/C specialists merged into one powerful team



EXPERTS IN COOLING AND HEATING

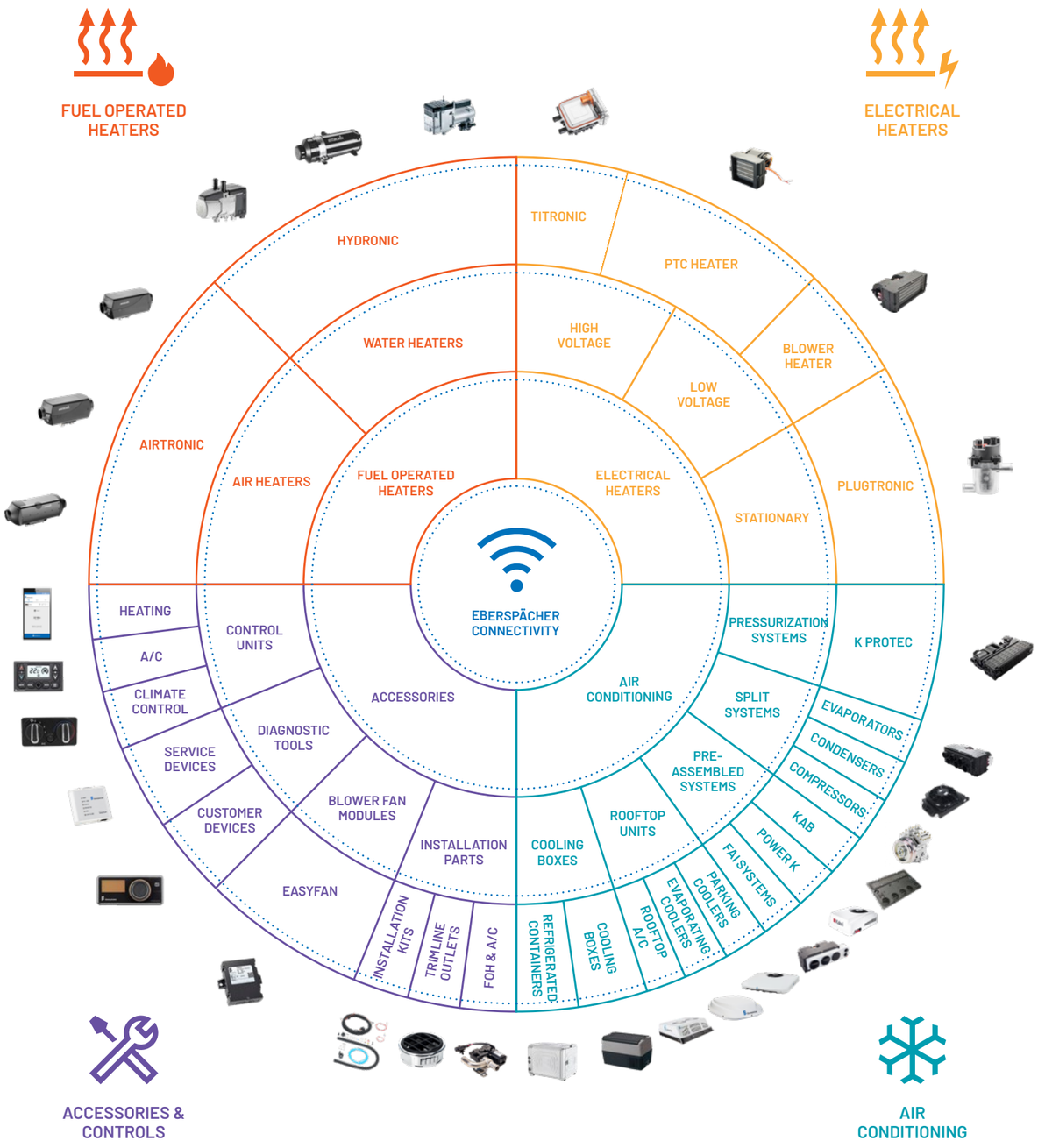
FOR SPECIAL VEHICLES

Ideal conditions for construction machinery – the perfect solution for every need

As a heating and cooling system supplier, Eberspächer provides ideal thermal management for construction machinery. Our climate control systems offer enhanced comfort and safety: drivers can enjoy pre-heated engines and warm cabs in winter and pleasantly cool driver cabs in summer. Machine operators demonstrably perform better and are more alert in a cab with a pleasant climate. At the same time, we also help customers comply with statutory workplace regulations and ensure operational readiness. Thanks to our experience in HVAC development, application and production, we can offer customized heating and air-conditioning applications **– all from a single source.**

[Construction]

OUR PRODUCT PORTFOLIO



PRODUCTS FOR CONSTRUCTION MACHINERY



CONTROL UNIT



AIR OUTLET



KANADA II



CONDENSER



FUEL OPERATED WATER HEATER





EVAPORATOR



FUEL OPERATED AIR HEATER



BLOWER HEATER



ELECTRIC HIGH-VOLTAGE WATER HEATER



ELECTRICAL WATER HEATER

FUEL OPERATED HEATING SOLUTIONS

FUEL OPERATED WATER HEATERS

- Pre-heat both - the vehicle and the engine interior
- Pre-heating reduces engine wear due to reduced cold starts and saves fuel and money
- Pre-heated cabins defrost the wind-shield and secure safe operation

HYDRONIC S3



Version [Diesel, 24 V]		Commercial D5L	Commercial D6L
Heating performance	kW	1.3 to 5.0	1.3 to 5.6
Main dimension	mm	215 x 91 x 180 [With straight connection fittings]	
Weight	kg	2.0	
Fuel consumption	l/h	0.59	0.65
Interfaces		CAN/S+	

HYDRONIC M



Version [Diesel, 24 V]		M8 Biodiesel*	M10	M12
Heating performance	kW	1.5 to 8.0	1.5 to 9.5	1.2 to 12.0
Main dimension	mm	331 x 138 x 221		
Weight	kg	6.2		
Fuel consumption	l/h	0.18 - 0.9	0.18 - 1.2	0.15 - 1.5
Interfaces		LIN		

* 100 % biodiesel compatible in accodance with FAME DIN EN 14214

HYDRONIC L



Version [Diesel, 24 V]		L16	L24	L30	L35
Heating performance	kW	16.0	24.0	30.0	35.0
Main dimension	mm	600 x 230 x 222			
Weight	kg	18.0			
Fuel consumption	l/h	2.00	2.90	3.65	4.20
Interfaces		S+			

FUEL OPERATED AIR HEATERS

AIRTRONIC AS3/AM3



- Extremely fast air heating
- Low energy consumption – ideal for long heating periods while the vehicle is at standstill
- Integrated altitude sensor: automatic altitude adjustment up to at least 5,000 m

Version [Diesel, 24 V]		S3 Commercial	M3 Commercial
Heating performance	kW	0.85 to 2.2	0.9 to 4.0
Main dimension	mm	310 x 115 x 122	376 x 140 x 150
Weight	kg	2.7	4.5
Fuel consumption	l/h	0.1 - 0.28	0.11 - 0.51
Interfaces		CAN/LIN/S+	



Our entire product portfolio is available in our heating and air conditioning catalog.

ELECTRICAL HEATING SOLUTIONS

HIGH-VOLTAGE COOLANT HEATER - TITRONIC



- Third generation of high-voltage PTC water heater for electric vehicles
- Reliable and powerful PTC technology offering a high heating performance of 5 kW*
- Six heat stages

Version		CHHV 50 G3
Heating performance	kW	5.0*
Main dimension	mm	160 x 159 x 105
Weight	kg	2.0
Operating voltage range (HV)	V	250 - 450 / 12
Interfaces		LIN 2.1

* Un = 350 V, Tco = 60 °C, Qco = 10 l/min, Coolant = 50 : 50

ELECTRICAL WATER HEATER - PLUGTRONIC



- Vehicle pre-heating system, consisting of a 230 V-heater for pre-heating the engine and interior, a water pump, wiring and an electronic charger
- Can be combined with vehicle-specific kits
- Flexible positioning with a water pump as standard for simple installation
- Water pump available for 12 V or 24 V
- 20 mm water spigot diameter

Version		800	1850
Heating performance	kW	0.8	1.85
Main dimension	mm	151 x 131 x 81	
Weight	kg	0.8	
Operating voltage range (HV)	V AC	230	
Interfaces	V DC	12 / 24	

ELECTRICAL HVAC EVAPORATOR



- Vertically mounted hybrid evaporator for conventional A/C with PTC heating element
- Features with directional scrolls which can be pivoted to direct the air in the right direction
- Also available as non-electric version with water heat exchanger

Version		MK0 EHVAC ED4
Heating performance	kW	2.2
Cooling performance	kW	4.3
Airflow	m^3/h	390
Electrical consumption	W	220
Operating voltage range	V DC	24 - 800

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ELECTRICAL BLOWER HEATER



- Compact size perfectly suited to small cabins
- Electric heater with secured PTC element and equipped with safety thermal switch
- Water blower heater also available

Version		ALIZE 2 VI ELEC	
Heating performance	kW*	1.6 - 2.2	
Airflow	m^3/h*	210	
Ventilation speed		3	
Operating voltage range	V DC*	PTC from 12 to 250	
Ventilation voltage	V*	12	24

*Depending on model



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AIR CONDITIONING SOLUTIONS

HORIZONTAL EVAPORATORS FOR SPLIT SYSTEMS



- Large portfolio enables solutions to be installed for almost every cabin
- Available as A/C only, heating only or HVAC version
- Also available for battery electric vehicles using a PTC heating elemet

Version		Super K	Kool	Falkon
Cooling performance	kW	3.5	4.5	7.7
Heating performance	kW	4.3	6.6	10
Airflow	m³/h	440	520	660
Electrical consumption	W	100	180	360
Main dimensions	mm	216 x 368 x 137	261 x 384 x 158	297 x 432 x 167

VERTICAL EVAPORATORS FOR SPLIT SYSTEMS



- Directional scrolls can be positioned indepedently
- With intergrated electrical flap on the air intake for outside air / circulating operation
- Available as A/C only, heating only or HVAC version

Version		MK1
Cooling performance	kW	7
Heating performance	kW	7.8
Airflow	m³/h	700
Electrical consumption	W	360
Main dimensions	mm	159 x 428 x 443

PRE-ASSEMBLED HVAC EVAPORATOR SYSTEMS - KAB



- Pre-assembled HVAC evaporator systems for integration in the cab ceiling
- System with integrated air distribution and manual operating elements
- Easy to install in the cab roof
- Over 10 system variants available for every requirement

Version		HVAC 4.3 / 3.5	HVAC 6.6 / 4.5	HVAC 10 / 7.7
Cooling performance	kW	3.5	4.5	7.7
Heating performance	kW*	4.3	6.6	10.0
Airflow	m³/h*	440	520	725
Electrical consumption	W	100	180	360
Main dimensions	mm	589 x 380 x 137.5	589 x 380 x 160.5	589 x 380 x 169

*Depending on model

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ROOFTOP A/C UNIT - ELECTRIK



- Compact roof-mounted system with an integrated electrical compressor
- Suitable for all applications where it is difficult to install a conventional A/C unit with an engine-driven compressor
- Voltage range: 12 to 650 VDC - 220 VAC

Version		Electrik
Cooling performance	kW	3.5
Weight	kg	25
Airflow	m³/h*	440
Electrical consumption	W*	950 to 1560
Main dimensions	mm	475 x 721 x 278

*Depending on model

ROOFTOP A/C UNIT - KANADA



- Evaporator/heater rooftop condenser unit
- Features with integrated drier filter
- Can be connected to a standard or electric compressor on an electrically driven vehicle.
- Also available as air-conditioning only version

Version		Kanada 2
Cooling performance	kW	4.5
Heating performance	kW	1 to 4
Weight	kg	19
Airflow	m³/h*	500
Electrical consumption	W*	330
Main dimensions	mm	891 x 588 x 182

*Depending on model

HVAC EVAPORATOR SYSTEM HK EVO 4 KOMBI



- Evaporator system for air conditioning with radial blowers
- Cooling power of 8.6KW and 9.5KW heating
- Also available in the version with solo air conditioning
- The size/power ratio of single evaporator
- Designed for large cabs

Version		HK EVO4 Kombi
Cooling performance	kW	8.6
Heating performance	kW	9.5
Airflow	m³/h*	1300
Electrical consumption	W*	190
Main dimensions	mm	780 x 334 x 120

*Depending on model

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ACCESSORIES AND CONTROLS

OUTLETS

You can choose the optimum items for your project from our huge range of outlets with different designs, functionalities and installation options.



TRIMLINE



FUEL OPERATED HEATING

CONTROL UNITS

We offer control units for every product and requirement, from web-based devices with remote diagnosis for pre-heaters and combined control units for heating and cooling systems to automatic HVAC control units.





HEATING, A/C, HVAC

HVAC MANAGEMENT

Our KAN-Box allows you to control different HVAC components via CAN bus in one system and to choose your individual preferred control option.



KAN-BOX

DIAGNOSTICS

Services and tools for easy diagnosis are available for our products.



EASYSCAN

Our entire product portfolio is available in our heating and air conditioning catalog.



GLOBAL FOOTPRINT



FOOTPRINT CHINA

Regional HQ APAC, Shanghai

Sales Office China, Beijing

APAC Operational Hub / Sales Office, Zhongshan

Electric Heater Production, Tianjin

BRANCHES
ESSLINGEN, GERMANY

SUBSIDIARY

GENERAL AGENTS

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