

The Eberspächer Product Range

Independent Heating Systems

Air Conditioning Systems

Refrigeration Systems

Handwash Systems



Eberspächer
A world of comfort

The Company

Eberspächer (UK) Ltd.

Eberspächer UK Ltd. is a wholly owned subsidiary of J. Eberspächer GmbH of Germany and was established in 1977 to introduce independent heating systems into the UK and Eire car, commercial vehicle and marine markets and to create a network of local distributors.

30 years later, and with a turnover of £16 million, it is a major supplier to many car and commercial

vehicle manufacturers and

has developed new markets which include rail, defence, ambulance, welfare, motorhome, off road and marine.

Eberspächer UK is ISO 9001 and QS 9000 accredited for the design manufacture and distribution of Independent Heating, Air Conditioning and Refrigeration Systems.



The Parent Company

The parent company is situated near Stuttgart, in the heart of the German automotive industry, established in 1865, is the principal manufacturer and supplier of exhaust and independent heating systems to both car and commercial vehicle manufacturers.



Employing almost 6,000 personnel and with manufacturing plants throughout Europe, America, South Africa, Asia and more than 2,000 distributors world-wide, the group has a turnover in excess of 2 billion Euros.

With over half a century of experience in exhaust and independent heating engineering technology, Eberspächer is the

chosen supplier by many high profile car and commercial vehicle manufacturers, including Mercedes-Benz, BMW, Scania, Ford, DAF, Iveco, MAN, Volkswagen, GM and Renault.

Diesel Fuelled Air Heating Systems

**Airtronic
D2**



**Airtronic
D4**



**Airtronic
D5**



D8LC



Technical Data

Air Heater	AIRTRONIC D2	AIRTRONIC D4	AIRTRONIC D5	D8LC
Heater Output (W)	2,200/1,800/ 1,200/850	4,000/3,000/ 2,000/1,000	5,500/4,800/ 2,700/1,200	8,000/3,500
Max. Room Heating (m ³)	14	28	40	70
Operating Voltage (V)	12/24	12/24	12/24	12/24
Air Flow Rate Free Blowing (m ³ /h)	90/75/52/36	160/130/95/55	233/210/140/90	258/250
Electrical Power Consumption (W)	34/23/12/8	40/24/13/7	85/80/30/15	115/115
Diesel Fuel Consumption (l/h)	0.28/0.23/0.15/ 0.10	0.51/0.38/0.25/ 0.13	0.66/0.58/0.34/ 0.15	1.0/0.4
Dimensions LxWxH (mm)	310x115x122 (ø60)	371x150x140 (ø90)	525.5x179x194 (ø90)	653x260x250 (ø100)
Weight (kg)	2.7	4.5	8.0	20.0

Eberspächer Says

Trucks



Motorhomes



Trains



Welfare



Military



“If it Moves

We can Heat it”



Boats



Ambulances



Minibuses



Coaches



Cars



Diesel Fuelled Coolant Heating Systems

Hydronic
D5WS



Hydronic
D5WSC



Hydronic
10



Hydronic
16 – 35



Technical Data

Water Heater HYDRONIC	5	10	16	24	30	35
Heater Output (W)	5,000/2,400	9,500/7,500/ 3,200/1,500	16,000	24,000	30,000	35,000
Max. Room Heating (m ³)	35	70	130	200	250	300
Operating Voltage (V)	12/24	12/24	24	24	24	24
Water Flow Rate (l/h)	900±100	1,400	5,000	5,000	5,000	5,000
Electrical Power Consumption (W)	50/23	125/76/42/35	170	190	215	230
Diesel Fuel Consumption (l/h)	0.62/0.27	1.2/0.9/0.4/ 0.18	2.0	2.9	3.65	4.2
Dimensions LxWxH (mm)	220x85x98	330x134x166	600x230x220			
Weight (kg)	2.9	6.5	18	18	18	18

Handwash Systems

Handiwash



- Low power, heavy duty heater element.
- Using high corrosion resistant materials and state of the art electronics, the heater element thermostatically controls water temperature to 60°C. The system is also protected by a thermal overload safety device.
- Easy installation.
- Manual and automatic versions are available.
- Unit can be easily mounted to any vertical surface and wired to a 12 volt power source, 24 volt systems are available.

Optional lift out bowl available on both models.

Miniwash

- Miniwash features a single tap / single temperature operation, thermostatically controlled to 49°C.
- The system is also protected by a thermal overload safety device.
- Miniwash is ideal for small van applications and features a three way port drain.
- Manual and automatic versions are available.

Air Conditioning for Welfare and Emergency Services



Eberspächer (UK) Ltd. supply air conditioning to an ever increasing number of market sectors including; ambulances, police vehicles, security vehicles, prison vehicles, minibuses and small coaches.

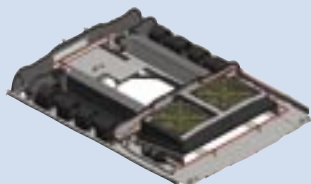
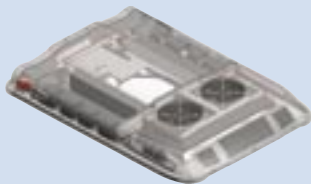
Eberspächer (UK) Ltd. is the official UK distributor of Diavia air conditioning units which suit a wide variety of commercial vehicles. Since January 2003 all systems are supplied with a comprehensive 2 year European warranty backed up in the UK by one of the country's largest dealer networks specialising in repairing commercial vehicle air conditioning.

Air Conditioning Systems for Mini and Midi Buses

In addition to internally mounted air conditioning units, Eberspächer can now supply a range of roof mounted air conditioning units for a wide variety of buses and coaches for up to 35 seats.

At last a sensibly priced crank driven air conditioning system that has been specifically designed for new build and retrofit markets.

The range consists of 4 models; Rimini, Turin, Smirne and Madrid.



Technical Data for Madrid	
Cooling Capacity	15.5 kW
Air flow	2,100m ³ /h
Current Draw (24v)	37 A
Weight	60 kg



Advantages of the Eberspächer Roof Top Air Conditioning Unit

- Complete system includes; compressor, compressor mounting bracket, hoses, fittings, wiring and all auxiliary components.
- Ease of installation.
- High capacity with low maintenance.
- National and international service support.
- Competitive pricing.

Air Conditioning for Specialised Vehicles

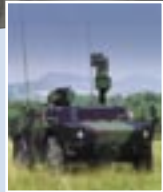


Over the last few years air conditioning has become a familiar feature on many types of vehicles.

Air conditioning not only reduces the general temperature on extremely hot days but also makes the general environment within the vehicle much more comfortable. In addition, air conditioning can reduce uncomfortable levels of humidity and pollution within the vehicle.

- Systems configured for a wide variety of applications.
- Systems to suit almost every European van.
- Choice of manual or fully automatic controls.
- Supported by 5,000 dealers across Europe.
- Manufactured by world's largest automotive component supplier.

Air Conditioning for Military Vehicles and Shelters



Vehicles

- Bespoke and general systems available.
- Suitable for worldwide operating conditions.
- EMC Land Class A compatibility available.
- Can be connected to an independent NBC unit.
- Systems to suit green and white fleets, from armoured vehicles through to support and minibus applications.

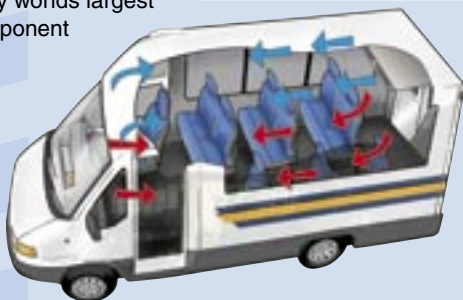
Shelters

- Heating and cooling modes incorporating electrical or independent heaters.
- C2 to A1 climatic conditions.
- Can be connected to an independent NBC unit.
- Single phase and three phase mains powered systems.
- 28V DC models also available.
- 'Hand Portable' models available.

Climate Control for Commercial Vehicles



- Cool fresh air on warm days.
- Warm dry air on humid wet days.
- Clear mist free windows.
- Reduced intake of pollen and pollutants.
- Reduced noise and increased security by driving with windows closed.
- Manufactured by worlds largest automotive component supplier.
- 5,000 dealers throughout Europe.
- Wide model range with systems for most chassis.



Climate control systems have an air conditioning unit combined with an Eberspächer Hydronic water heater, providing air to both driver and passengers at any user selected temperature between 18 and 28 degrees Centigrade. This temperature is regulated and remains constant whether day or night, winter or summer.

The system provides dehumidified warm air on wet winter days as well as cool dry air in summer. The windows of the vehicle are kept free of condensation and the driver and passengers feel more comfortable all year round.

Refrigeration Systems for Insulated Vans

Diavia Frigo Model		2000		3000		4000	
Test Conditions		R134a	R404a	R134a	R404a	R134a	R404a
T_{ext}	T_{int}						
30°C	0°C	1321	1275	2377	1885	-	3061
	-20°C	-	883	-	1229	-	1502

Compressor - SD7H15 or SP15


Compressor RPM - 1850



Frigo 3000

The Diavia Frigo refrigeration systems are now available in 3 sizes to suit both chilled and frozen requirements.

A choice of electric or hot gas defrost systems are available, as well as a 240v stand by system on selected models.



Eberspächer (UK) Ltd. Headlands Business Park,
Salisbury Road, Ringwood, Hampshire BH24 3PB

Tel: +44(0)1425 480151 – Fax: +44(0)1425 480152

Email: enquiries@eberspacher.com

Internet: www.eberspacher.com

Specifications subject to change without notice.

22324B