

# *mobiheat*<sup>®</sup>

*mobile heat for your comfort*



## **Delivery Program • Product Catalog**

**Mobile Heat • Custom Equipment**

**mobiheat Electrical Heating Equipment • Ready to Use Heating Systems**



**mobiheat**<sup>®</sup>  
*mobile heat for your comfort*



Andreas Lutzenberger and Helmut Schäffer, Managing Directors of mobiheat

mobiheat is your specialist for mobile heat. When heating fails during remodeling, disruptions or modernization measure, you can still get heat and hot water. mobiheat takes care of everything from delivery of the mobile heating system, to activation and instruction in its use, to disconnection. The potential for support using our modular system are almost unlimited. Whether family home, commercial property, manufacturing plant or shopping mall, mobiheat has the solution for every emergency. As a compact and powerful unit, our mobile heat generators can be deployed without consideration of location or time. Equipped with the most recent technology, mobiheat operates efficiently and in an environmentally friendly manner.

Our company believes that mobile heat and flexible thinking belong together. Only in this manner we can guarantee the quality that you expect from a partner. The changing demands of our customers and new market opportunities continue to challenge us. For this reason, openness and innovative spirit determine our approach to business. Proven knowledge is combined with progress to meet your needs properly. Thanks to continuing development, you can enjoy the latest services, technologies and insights from the industry.

Your success is our success. By working closely together, we can adjust our offering to your individual needs. For us, getting to know you means providing the best possible combination of price and performance. With very little effort, you get the best possible solution.



**electro**

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# **mobiheat Electrical Heating Equipment**

## **Flexible Heat – Efficient & Comfortable**

With the mobiheat electrical heating equipment, HVAC specialists can provide their customers with special services. Portable heating equipment was originally designed for emergency heating situations. With it, heating specialists protect their customers against weekends that would otherwise be ice cold until replacement equipment arrived. The usage options for mobile heat generators have been increasing to even include drying layers of screed or construction site heating.



## E3H-Mini Portable Heating System

Technology		Advantages
<ul style="list-style-type: none"> <li>• Safety temperature limiter</li> <li>• Simple control</li> <li>• Circulation pump</li> </ul>	<ul style="list-style-type: none"> <li>• Expansion tank</li> <li>• Safety valve</li> </ul>	<ul style="list-style-type: none"> <li>• Immediately usable without prior preparation</li> <li>• Basic heat with 3 kW performance without effort</li> </ul>



### mobiheat E3H-Mini Water Boiler

The immediately useable customer service assistant without prior preparation

Operation		Power Supply	Features
Operating temperatures 20-90°C		230 V, 16 A	Ready to use
Temperature Control		Performance	Item Nr.
manual	20-90°C	3 kW	3100

## E19H3 / E19HDSEA3 / E40H3 / E40HDSEA3 / E20HDSEA / E40HDSEA / E20H / E40H / E18HDW / E40HDW Portable Heating Systems

Technology		Advantages
<ul style="list-style-type: none"> <li>• Safety temperature limiter</li> <li>• Circulation pump 21-60</li> <li>• Membrane expansion tank</li> </ul>	<ul style="list-style-type: none"> <li>• Safety valve</li> <li>• DN 25 heating connection, Geka</li> <li>• Internal RC circuit breaker</li> </ul>	<p>Completely operational portable heating system for universal usage during heating disruptions as an emergency source of heat:</p> <ul style="list-style-type: none"> <li>• Maintenance of the heat generator</li> <li>• Anti-freeze protection</li> <li>• Feed and initial heating e.g. avoiding freezing of ground heat pumps</li> </ul>



### mobiheat E19H3 Electrical Heating Equipment

The "jack-of-all-trades" in current providers

Operation		Power Supply	Features
Operating temperatures 20-90°C		<ul style="list-style-type: none"> <li>• 230 V, 16 A</li> <li>• 400 V, 16 A</li> <li>• 400 V, 32 A</li> </ul>	Ready to use
Temperature Control		Performance	Item Nr.
manual	20-90°C	3-11-19 kW	19100-3



### mobiheat E19HDSEA3 Electrical Heating Equipment

The "jack-of-all-trades" in current providers with standard screed heating option

Operation		Power Supply	Features
<ul style="list-style-type: none"> <li>• Operating temperatures 20-80°C</li> <li>• Screed heating option 20-50-20°C</li> </ul>		<ul style="list-style-type: none"> <li>• 230 V, 16 A</li> <li>• 400 V, 16 A</li> <li>• 400 V, 32 A</li> </ul>	<ul style="list-style-type: none"> <li>• Screed heating option</li> <li>• Ready to use</li> </ul>
Temperature Control		Performance	Item Nr.
digital	20-80°C	3-11-19 kW	19200-3



### mobiheat E40H3 / E40HDSEA3 Heating Equipment

The "jack-of-all-trades" in current providers

Operation		Power Supply	Features
<ul style="list-style-type: none"> <li>Operating temperatures: 20-90°C (E40H3) 20-50(80)°C (E40HDSEA3)</li> </ul>		<ul style="list-style-type: none"> <li>400 V, 16 A</li> <li>400 V, 32 A</li> <li>400 V, 63 A</li> </ul>	<ul style="list-style-type: none"> <li>Including screed heating option (E40HDSEA3)</li> <li>Ready to use</li> </ul>
Temperature Control		Performance	Item Nr.
<b>manual,</b> <b>digital</b>	20-(80°C) 90°C	8 kW, 16 kW, 40 kW	40100-3 or 40200-3



### mobiheat E20HDSEA / E40HDSEA Electrical Heating Equipment

Digitally controlled with standard screed heating option

Operation		Power Supply	Features
<ul style="list-style-type: none"> <li>Operating temperatures 20-80°C</li> <li>Screed heating option 20-50-80°C</li> </ul>		<ul style="list-style-type: none"> <li>400 V, 32 A (E20HDSEA)</li> <li>400 V, 63 A (E40HDSEA)</li> </ul>	<ul style="list-style-type: none"> <li>Screed heating option</li> <li>Ready to use</li> </ul>
Temperature Control		Performance	Item Nr.
<b>digital</b>	20-80°C	20 kW or 40 kW	20200 or 40200



### mobiheat E20H / E40H Electrical Heating Equipment

Classic manual control

Operation		Power Supply	Features
Operating temperatures 20-90°C		<ul style="list-style-type: none"> <li>400 V, 32 A (E20H)</li> <li>400 V, 63 A (E40H)</li> </ul>	Ready to use
Temperature Control		Performance	Item Nr.
<b>manual</b>	20-90°C	20 kW or 40 kW, three phase	20100 or 40100



### mobiheat E18HDW / E40HDW Electrical Heating Equipment

Combination heater and hot water boiler with integrated hot water heat exchanger

Operation		Power Supply	Features
<ul style="list-style-type: none"> <li>Operating temperatures 30-90°C</li> <li>Hot water preparation</li> </ul>		<ul style="list-style-type: none"> <li>400 V, 32 A (E18HDW)</li> <li>400 V, 63 A (E40HDW)</li> </ul>	<ul style="list-style-type: none"> <li>Hot water heat exchanger with pump</li> <li>Ready to use</li> </ul>
Temperature Control		Performance	Item Nr.
<b>digital</b>	<ul style="list-style-type: none"> <li>Heat: 30-90°C</li> <li>Hot water: 30-55°C</li> </ul>	Heat: 18 kW or 40 kW	Liters of hot water / hour: <ul style="list-style-type: none"> <li>at 45°C = ca. 450 liters at 18 kW</li> <li>at 45°C = ca. 690 liters at 40 kW</li> </ul>
			18300 or 40300



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***oil & gas***

## **mobiheat Heating Systems**

### **Mobile Heat – reliable and safe**

Our mobile heating systems stand for high reliability and operational safety. Integrated hydraulic components, such as membrane expansion tanks and circulation pumps, ensure simple, quick connection with the heating system. The mobiheat heating equipment and trailer captivate with their small sizes and user-friendly control and monitoring technology. As a compact and powerful unit, our mobile heat generators can be deployed without consideration of location or time.





## Ready to use MH100 (F)/MH300 (F)/MH600/MH900 Heating Systems

### Technical Data

<ul style="list-style-type: none"> <li>• mobiheat specialized low temperature heating boiler for increased demands</li> <li>• Weishaupt oil burner</li> <li>• Heat exchanger system separation</li> <li>• Primary heat conduit filled with water and glycol (no anti-freeze protection)</li> </ul>	<ul style="list-style-type: none"> <li>• Primary heat circulation pump</li> <li>• Membrane expansion tank (primary side)</li> <li>• Secondary heat conduit with mixer and motor</li> <li>• Wilo Stratos circulation pump (secondary side)</li> <li>• Membrane expansion tank (secondary side)</li> </ul>	<ul style="list-style-type: none"> <li>• Technical safety equipment</li> <li>• Remote monitoring (optional)</li> <li>• Compact, powerful unit useable without consideration of location or time</li> </ul>
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### mobiheat MH100 Heat Container

Compact, insulated container

Operation	Power Supply	Features
Operating temperatures 20-90°C	230 V, 16 A	<ul style="list-style-type: none"> <li>• Option for trailer or insulated box trailer</li> <li>• Safety oil tank container 1,000 liters</li> </ul>
Performance	Item Nr.	
100 kW	100100	



### mobiheat MH100 (F) Heating System

Compact, insulated container

Operation	Power Supply	Features
Operating temperatures 20-90°C	230 V, 16 A	<ul style="list-style-type: none"> <li>• Option for trailer or insulated box trailer (F)</li> <li>• Safety oil tank container 1,000 liters</li> </ul>
Performance	Item Nr.	
100 kW	100100 (F)	



### mobiheat MH300 Heat Container

Compact, insulated container

Operation	Power Supply	Features
Operating temperatures 20-90°C	230 V, 16 A	<ul style="list-style-type: none"> <li>• Option for trailer or insulated box trailer</li> <li>• Safety oil tank container 1,000 liters</li> </ul>
Performance	Item Nr.	
300 kW	100300	



### mobiheat MH300 (F) Heating System

Compact, insulated container

Operation	Power Supply	Features
Operating temperatures 20-90°C	230 V, 16 A	<ul style="list-style-type: none"> <li>• Option for trailer or insulated box trailer (F)</li> <li>• Safety oil tank container 1,000 liters</li> </ul>
Performance	Item Nr.	
300 kW	100300 (F)	



### mobiheat MH600 Heat Container

Compact, insulated container

Operation	Power Supply	Features
Operating temperatures 20-90°C	400 V, 32 A	Safety oil tank container 4,000 liters
Performance	Item Nr.	
600 kW	100600	



### mobiheat MH900 Heat Container

Compact, insulated container

Operation	Power Supply	Features
Operating temperatures 20-90°C	400 V, 63 A	External safety oil tank container
Performance	Item Nr.	
900 kW	100900	

Larger performance ranges available by request

## MH100 / 300 Heating Station Trailers

### Technical Data

<ul style="list-style-type: none"> <li>• Overrun brake with reverse travel system</li> <li>• Galvanized tandem rubber springs</li> <li>• V-shaped draw bar with strengthened support wheel</li> <li>• Lightweight, hot-dipped frame construction</li> <li>• Telescopic 1,000 mm lifting arm</li> <li>• Hydraulic supports, controlled individually</li> </ul>	<ul style="list-style-type: none"> <li>• Four-speed rope suspension in accordance with DIN</li> <li>• Water-resistant 18 mm Multiplex plate floor</li> <li>• Load securing eyes and mechanical container stop</li> <li>• Electrical remote control</li> <li>• Lockable motor room with storage locker</li> <li>• Drive unit with 8.5 HP gas engine</li> </ul>	<ul style="list-style-type: none"> <li>• Electrical starter, charging current, battery, control block, hydraulic system, magnetic valve and rupture protection valves</li> <li>• Protectively mounted, compact lighting unit</li> <li>• Axles using compact bearings and 14" wheels</li> <li>• Enameled in RAL 3020 mobiheat red</li> </ul>
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### mobiheat MH100 / 300 Heating Station Trailers

Simple and ingenious. Perfect for multiple system operators.

Operation	Acceptable Total Weight	Dimensions	Actual Load
Portable heat containers	3,500 kg	L: 2,500 mm / B: 1,450 mm	ca. 2,450 kg
Features			Item Nr.
With the specialized mobiheat Type UKA heat container trailer, you can transport, load and unload the mobiheat MH100-300 heating stations.			100123



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*flex*

# **mobiheat Custom Systems**

## **Tailor-made Heat – comprehensive and flexible**

We supply you with systems custom tailored to your needs. By doing so, the performance specification of the customized heating equipment includes project development, design creation, planning, construction and assembly, construction supervision, activation, documentation and transfer of ownership. Furthermore, we offer all available services from one shop after the transfer of ownership, such as maintenance, repairs and emergency services.





*mobiheat*  
water

## **mobiheat Water Modules** **Hot Water – hygienic and fresh**

Standard, the devices are delivered pre-mounted on a frame. The instantaneous water heating principle guarantees 100% hygienic and fresh potable water and prevents the propagation of legionella bacteria in the building's hot water conduits (refer to DVGW W551, "Rehabilitation of Water Distribution Systems"). Increased conduit transmission through large heat exchange surfaces, lightweight construction, and ideal temperature control by primary temperature limitation and speed control of the pump. Thanks to high quality components and quality, extremely durable and nearly maintenance free.



## 50 kW / 100 kW / 200 kW / 335 kW / 500 kW Fresh, Hot Water Modules



Type	50 kW
Operation	Heating of hygienic hot water
Performance	1,300 liters / hr. at a water temperature of 45°C
Power supply	230 V, 16 A
For heating equipment or heat containers	From types MH100, MH100 (F)
Item Nr.	2317
Dimensions	ca. 670 x 830 x 315 mm
Heat output	DN 25
Heat return	DN 25
Cold water	DN 25
Hot water	DN 25
Circulation	DN 20
Min. allowable operating temperature	2°C
Max. allowable operating temperature	90°C
Max. allowable operating pressure, heater	10 bar
Max. allowable operating pressure, potable water	10 bar
Weight	ca. 37 kg
Heating equipment or heat container connection	Using heating and sanitary connection lines



100 kW	200 kW	335 kW	500 kW
Heating of hygienic hot water	Heating of hygienic hot water	Heating of hygienic hot water	Heating of hygienic hot water
2,760 liters / hr. at a water temperature of 45°C	5,160 liters / hr. at a water temperature of 45°C	8,220 liters / hr. at a water temperature of 45°C	12,360 liters / hr. at a water temperature of 45°C
230 V, 16 A	230 V, 16 A	230 V, 16 A	230 V, 16 A
From types MH100, MH100 (F)	From types MH300, MH300 (F)	From types MH600	From types MH600
4634	8673	137103	206154
ca. 670 x 830 x 315 mm	ca. 700 x 1350 x 385 mm	ca. 700 x 1350 x 385 mm	ca. 700 x 1350 x 385 mm
DN 25	DN 40	DN 40	DN 50
DN 25	DN 40	DN 40	DN 50
DN 25	DN 40	DN 40	DN 50
DN 25	DN 40	DN 40	DN 50
DN 20	DN 25	DN 25	DN 25
2°C	2°C	2°C	2°C
90°C	90°C	90°C	90°C
10 bar	10 bar	10 bar	10 bar
10 bar	10 bar	10 bar	10 bar
ca. 38 kg	ca. 73 kg	ca. 73 kg	ca. 94 kg
Using heating and sanitary connection lines	Using heating and sanitary connection lines	Using heating and sanitary connection lines	Using heating and sanitary connection lines

## Accessories for our Products

Type	Available for:	Technical Data		
Connection line DN 25 heating		<ul style="list-style-type: none"> <li>• Connection line for heat supply and return</li> <li>• DN 25</li> <li>• Built in GEKA SH coupling</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature resistant up to 100°C</li> <li>• 3 m long</li> </ul>	
Connection line DN 25 sanitary		<ul style="list-style-type: none"> <li>• Connection line for sanitary hot and cold water</li> <li>• DN 25</li> <li>• Built in GEKA SH coupling</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature resistant up to 90°C</li> <li>• May be used for potable water</li> <li>• 3 m long</li> </ul>	
Connection line DN 50	 	<ul style="list-style-type: none"> <li>• Connection line for heat supply and return</li> <li>• DN 50</li> <li>• Built in C coupling</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature resistant up to 80°C (Type: green up to 100°C)</li> <li>• 10 m long</li> </ul>	
Connection line DN 65	 	<ul style="list-style-type: none"> <li>• Connection line for heat supply and return</li> <li>• DN 65</li> <li>• Built in B coupling</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature resistant up to 80°C (Type: green up to 100°C)</li> <li>• 10 m long</li> </ul>	
Connection line DN 100		<ul style="list-style-type: none"> <li>• Connection line for heat supply and return</li> <li>• DN 100</li> <li>• Built in A coupling</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature resistant up to 80°C (Type: green up to 100°C)</li> <li>• 10 m long</li> </ul>	
Connection line DN 40		<ul style="list-style-type: none"> <li>• Connection line for sanitary hot and cold water</li> <li>• DN 40</li> <li>• Built in C coupling</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature resistant up to 90°C</li> <li>• May be used for potable water</li> <li>• 10 m long</li> </ul>	
Safety hose bridge DN 65	 	<ul style="list-style-type: none"> <li>• Two channel safety hose bridge for connection lines up to DN 65</li> <li>• 70 cm long, 78,3 cm wide, 13,9 cm high</li> </ul>	<ul style="list-style-type: none"> <li>• Load capacity ca. 6 t given a surface of 20 x 20 cm</li> </ul>	
Safety hose bridge DN 50	 	<ul style="list-style-type: none"> <li>• Five channel safety hose bridge for connection lines up to DN 50</li> <li>• 70 cm long, 69,6 cm wide, 8,7 cm high</li> </ul>	<ul style="list-style-type: none"> <li>• Load capacity ca. 6 t given a surface of 20 x 20 cm</li> </ul>	
Oil storage tank 5,000 liters	 	<ul style="list-style-type: none"> <li>• Above ground oil storage tank</li> <li>• Cylindrical, made of steel</li> <li>• DIN 6616</li> <li>• Nominal volume 5,000 liters</li> </ul>	<ul style="list-style-type: none"> <li>• Dual wall construction</li> <li>• 1,60 m diameter</li> <li>• 2,74 m long</li> <li>• With welded steel saddle feet</li> </ul>	<ul style="list-style-type: none"> <li>• Dome lid</li> <li>• Armature: interim wall monitored for leaks using test fluid</li> <li>• Test cock</li> <li>• Visual leak indicator and tank heating</li> </ul>
Oil storage tank 10,000 liters	 	<ul style="list-style-type: none"> <li>• Above ground oil storage tank</li> <li>• Cylindrical, made of steel</li> <li>• DIN 6616</li> <li>• Nominal volume 10,000 liters</li> </ul>	<ul style="list-style-type: none"> <li>• Dual wall construction</li> <li>• 1,60 m diameter</li> <li>• 5,31 m long</li> <li>• With welded steel saddle feet</li> </ul>	<ul style="list-style-type: none"> <li>• Dome lid</li> <li>• Armature: interim wall monitored for leaks using test fluid</li> <li>• Test cock</li> <li>• Visual leak indicator and tank heating</li> </ul>
Single tank system	 	<p>Single tank system for mobile usage in open areas and buildings. Temporally unlimited usage in accordance with the ADR for transportation and storage without a catch basin (volume 400, 600 or 980 liters), thus under the allowable limit of 1,000 liters according to ADR Section 1.1.3.6.3.</p> <ul style="list-style-type: none"> <li>• Enameled or galvanized</li> <li>• With two crane eyes and forklift pockets</li> <li>• Protective ring for pumping equipment</li> <li>• Dipstick</li> <li>• R 1" evacuation line, sealable</li> <li>• R 1 1/2" ventilation line, sealable</li> </ul>	<ul style="list-style-type: none"> <li>• R 2" filling connections, sealable</li> <li>• Periodic inspection every 2 ½ years (see ADR 6.5.1.6.4.b)</li> <li>• Sealable pump hood</li> <li>• 12 V electrical pump, 50 liters / min, with automated filling nozzle and 4 m filling hose</li> </ul>	
Electrical meter				
Protective mesh or grating	 			



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