

Climate-neutral warm air without fine particles

M99 HeatMobile | 60 - 200 Kilowatt



The M99 HeatMobile is a mobile methanol-fuelled hot air heater with up to 200kW power, which generates warm air for heating and drying. The M99 HeatMobile is the low emission alternative to comparable solutions based on heating oil, gas and pellets. Choose your ideal plan with our purchase, rental, and leasing options

With its compact dimensions, direct heat generation, simple operation, low maintenance requirements and mobile platform, the M99 HeatMobile is an optimal, climate-neutral solution for events and construction sites. The M99 HeatMobile offers:

- ✓ CO₂-neutral thermal energy*
- ✓ Local delivery and safe storage of methanol
- ✓ Low other emissions (Nox, CO)
- ✓ No fine particles

Product features

- Generation of hot air for heating and drying
- CO₂-neutral operation with M99 methanol
- Compact and easy to transport
- Intuitive and user-friendly operation
- Quick installation and commissioning
- 24/7 operation for both year-round or seasonal use

- Minimal maintenance effort
- Mobile and expandable IBC tank system with digital fill level monitoring
- Fast methanol logistics from Silent-Power

Areas of application



Events & Concerts

Heating of tents and event sites



Industry

Heating of halls, workshops, storage rooms and depots



Construction sites

Heating and drying of new and old buildings



Agriculture

Heating and drying of greenhouses, animal stables, storage rooms and harvested products

Options

- Complete service with technical support on site

We are here for you!

Interested? Our experts are happy to provide detailed information and technical assistance. Contact us for an attractive climate-neutral offer.

*Applies if synthetic or bio methanol M99 is used as fuel



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This document contains general descriptions, performance data and features which may vary as a result of further development of our products.

For more information
www.silent-power.com/en/contact

**silent-
POWER**

Technical Data

M99 HeatMobile 65, 111, 150 & 200



Due to its **compact dimensions, direct heat generation, simple operation, low maintenance requirements** and **mobile platform**, the HeatMobile is an optimal **climate-neutral solution** for events and construction sites. Climate-neutral delivery to you is available as an option.

Output				
Model	M99 HeatMobile 61	M99 HeatMobile 111	M99 HeatMobile 150	M99 HeatMobile 200
Heat output (kW)	65	110	150	200
Global (total) efficiency (%)	92	92	92	92
Heated air flow (m ³ /h)	4.000	10.000	11.000	13.000
Max. ventilation back pressure (Pa)	130	500	500	500
Power supply (V)	230	3x400	3x400	3x400
Power consumption (A)	3,3	7,5	9	10

Dimensions				
Model	HM 61	HM 111	HM 150	HM 200
Outlet cone Ø (mm)	400	500	500	600
Flue connection Ø (mm)	180	200	200	200
Thermostat connection	Yes	Yes	Yes	Yes
Weight (kg)	210	340	385	450
Weight incl. packaging (kg)	250	440	525	588
Dimensions heater assembled l x w x h (cm)	162 x 71 x 128	223 x 78 x 134	246 x 84 x 151	271 x 91 x 152
Dimensions packaged l x w x h (cm)	203 x 75 x 145	241 x 98 x 172	265 x 95 x 172	300 x 104 x 172

Fuel & emissions				
Model	HM 61	HM 111	HM 150	HM 200
Fuel type	Methanol M99 (99%)	Methanol M99 (99%)	Methanol M99 (99%)	Methanol M99 (99%)
Fuel consumption max. (l/h)	14.9	25.3	33.6	46
CO ₂ *	19 mg/ m ³	19 mg/ m ³	19 mg/ m ³	19 mg/ m ³
NO _x	< 30 mg/ m ³	< 30 mg/ m ³	< 30 mg/ m ³	< 30 mg/ m ³
UHC	< 02 mg/ m ³	< 02 mg/ m ³	< 02 mg/ m ³	< 02 mg/ m ³
Particulate matter (soot)	none	none	none	none

*The production of climate-neutral methanol M99, absorbs the same amount of CO₂ as is produced during combustion. Hence, it is CO₂ neutral.



Flue stack accessories

Model	HM 61	HM 111	HM 150	HM 200
Galvanized pipe 1 m, Ø 180 mm	•			
Galvanized pipe 1 m, Ø 200 mm		•	•	•
Galvanized rain cap, Ø 180 mm	•			
Galvanized rain cap, Ø 200 mm		•	•	•
Galvanized bend 45°, Ø 180 mm	•			
Galvanized bend 45°, Ø 200 mm		•	•	•
Bushing set for flue in polytunnels, Ø 180 mm	•			
Bushing set for flue in polytunnels, Ø 200 mm		•	•	•

Thermostats

Model	HM 61	HM 111	HM 150	HM 200
RT1, room thermostat -10/+40 °C with 5 m cable and plug, IP 54, switching differential ± 2 degrees.	•	•	•	
RT2, as RT1, with 10 m cable IP 54.	•	•	•	•
RT3, as RT1, with 20 m cable IP 54.	•	•	•	
IT1, duct thermostat 0/100 °C with 6 m cable and plug, switching differential ± 1.5%. For control of temperature in ducting system.	•	•	•	•
DA1, dual connection for thermostat. For control of 2 heaters on 1 thermostat	•	•	•	
Extension cable 10 m for thermostat, with plug.	•	•	•	•
Fault detector IMA GSM	•	•	•	
Fault detector GSM room temperature monitoring, no connections needed. Regardless of the type of heater	•	•	•	•

Switching/ Electronics accessories

Model	HM 61	HM 111	HM 150	HM 200
Transformer set for electrical connections without 0		•	•	•
Hour counter	•	•	•	•
Digital timer, burning and ventilating	•	•	•	•
VFD fan speed controller (only factory option)		•	•	•

Hose connection bend 45 degrees

Model	HM 61	HM 111	HM 150	HM 200
300 mm Ø (distribution head instead of standard outlet cone)	•	•	•	•
400 mm Ø	•			•
500 mm Ø		•	•	
500 mm Ø (distribution head instead of standard outlet cone)				•



Distribution heads (excl. clamps)

Model	HM 61	HM 111	HM 150	HM 200
2 x 300 mm Ø	Ж			
4 x 300 mm Ø		Ж	Ж	
2 x 360 mm Ø		Ж	Ж	
4 x 300 mm Ø				Ж
2 x 400 mm Ø				Ж
2 x 500 mm Ø				Ж
Air distributor 400 mm Ø	Ж	Ж	Ж	
Connection piece 300 to 400 mm for air distributor	Ж	Ж	Ж	Ж
Connection piece 150 to 400 mm for air distributor	Ж	Ж	Ж	Ж

Warm air transport hoses

Model	HM 61	HM 111	HM 150	HM 200
300 mm Ø (distribution head instead of standard outlet cone)	Ж	Ж	Ж	Ж
365 mm Ø (distribution head instead of standard outlet cone)		Ж	Ж	
400 mm Ø	Ж	Ж	Ж	
500 mm Ø		Ж	Ж	
400 mm Ø (distribution head instead of standard outlet cone)				Ж
500 mm Ø (distribution head instead of standard outlet cone)				Ж

Recirculation flange with bayonet connection (for models from 2008 and up)

Model	HM 61	HM 111	HM 150	HM 200
300 mm Ø	Ж			
400 mm Ø		Ж		
500 mm Ø			Ж	Ж

Recirculation hoses

Model	HM 61	HM 111	HM 150	HM 200
5 m length and 400 mm Ø		Ж		
5 m length and 500 mm Ø	Ж			
10 m length and 400 mm Ø		Ж	Ж	Ж
10 m length and 500 mm Ø	Ж		Ж	Ж

Additional wheels and various transport racks are available for all models. Also available for all models are connectors for hoses with sleeve (for hoses with 300 or 400 mm Ø), galvanized clamping hooks (for hoses with 60-600 mm Ø) and rubber clamping rings for hoses with end ring (for hoses with 300, 365, 400 or 500 mm Ø).

