

The new air-to-water heat pump.

**M Flex.**

There's  
nothing  
quieter.



**Powerful: M Flex with 6-9 kW or 9-16 kW heat output.**

- + Extremely quiet operation.
- + Universal installation and connection options.
- + Ready-assembled as much as possible for exceptionally easy installation.

**M Flex always delivers the right heating solution.  
For new buildings, renovations or modernisation.**

**NEW.**

# So quiet. So flexible. So efficient.

M Flex is less complex than comparable heat pump systems and remains hugely flexible. Simply choose an M Flex version – with 6-9 or 9-16 kW heat output. A domestic hot water cylinder or central ventilation can be added. This enables M Flex to be adapted to your construction project at any time.

## Benefits of M Flex for you:

- 1 Maximum flexibility.**  
All relevant components are already integrated. As so much is ready-assembled ex works installation is quick and easy. Extension with individual components, e.g. for central ventilation and domestic hot water preparation, make the product exceptionally flexible in terms of planning and installation.
- 2 Extremely quiet.**  
The outdoor unit has been specially optimised for installation close to walls. The special owl wing fan ensures a naturally quiet air noise. The compressor has been deliberately shifted to the indoor unit. This keeps noise emissions to a minimum, even at full heat output.
- 3 Efficient and eligible for subsidies. With inverter technology.**  
The heat pump output is intelligently adapted to actual heat or hot water consumption. Verifiable efficiency thanks to certification measurement.
- 4 Attractive design. Compact size.**  
The M Flex design features reassuringly high quality materials, clearly accentuated surfaces and excellent workmanship. The indoor and outdoor unit have an extremely space-saving and compact design.

You couldn't get any quieter:

## 35 dB(A)

Satisfies German noise prevention code (TA Lärm) requirements at 2.5 m distance with positioning close to the wall in reduced operation. At full output from a distance of 5 m.

Comparison value:

### 30 dB(A)

Quiet bedroom  
at night.

Comparison value:

### 40 dB(A)

Quiet  
library.

State

## subsidies available.

Due to high CO<sub>2</sub> savings  
compared to fossil-fuel heat generators.  
In existing buildings.\*

\* Depending on national legislation.

# Air-to-water heat pump with integral design.

## Step 1:

**Choose from two versions.**

## M Flex 6-9

## M Flex 9-16

### Compact outdoor unit.

- + Speed-regulated owl wing fan (extremely quiet operation).
- + Controlled condensate drain with energy efficient pan heating for reliable operation in cold climatic regions.
- + Invisible refrigerant pipe connection possible.
- + Evaporator.
- + Expansion valve.



### Optional: Wall console.

Easily save the costs of additional foundations and fit the wall console early in the construction work. All lines and connections are covered by the wall console.

### Fully equipped:

All key components are pre-installed in the indoor unit. This saves valuable time during installation.

- Buffer tank
- Domestic hot water 3-way-valve
- 2 pumps with dual differential pressureless manifold
- Expansion vessel



### Space-saving indoor unit.

- + Ready for use heat pump hydraulics with refrigeration circuit and hydraulic unit for excellent reliability and minimum space requirement.
- + Modern intuitive operation using 4.3 inch colour touch display.
- + M Flex 9-16 kW achieves the highest efficiency class A+++ in a low temperature application.
- + Indoor and outdoor unit are connected by refrigeration pipes up to 10 m long. No time-consuming and expensive core drilling necessary.

### Integrated components:

- + 50 l buffer tank with dual differential pressureless manifold.
- + 3-way diverter valve (heating/domestic hot water).
- + Pipe heater max. 6 kW to support heating operation and for hot water reheating.
- + Separate pumps for generator and consumer circuit.
- + Expansion vessel 24 l.
- + Safety valve.
- + Dirt trap, flow and pressure sensors.

# Flexible combinations.

With domestic hot water and ventilation.

## Step 2:

### Add a domestic hot water cylinder.

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While better thermal insulation is continuously reducing heat consumption in buildings, the requirements for convenient domestic hot water are increasing.

A compatible domestic hot water cylinder can be planned and ordered independently of the M Flex heat pump. Individually tailored to specific customer requirements.

#### + WWSP 335

Nominal capacity: 300 l

Effective capacity: 277 l

#### + WWSP 442

Nominal capacity: 400 l

Effective capacity: 352 l

#### + WWSP 556

Nominal capacity: 500 l

Effective capacity: 433 l



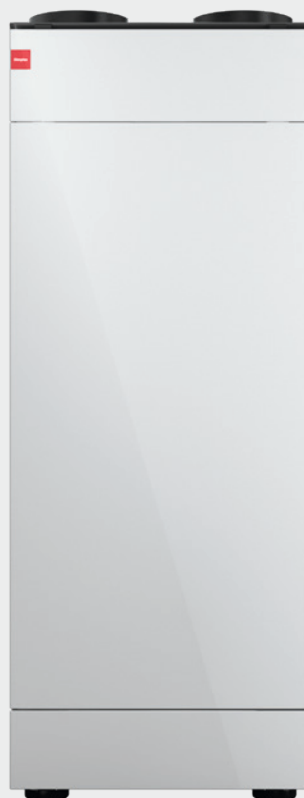
## Step 3:

### Add central ventilation.

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#### Our recommendation: M Flex Air. For flexible installation.

- + Ventilation unit with heat-recovery (version with moisture recovery also available).
- + Direction of air flow easy to reverse.
- + Automatic operation using integrated air quality sensors in exhaust air and outside air.
- + Pollen filter as standard.
- + Fireplace safety function for air flow balance.
- + Suitable for installation in cupboards or kitchen units thanks to compact dimensions.
- + Optional comfort features: Fine dust filter, electric reheating and pre-heating register, feed air side condensate connection for chilled buildings. Condensate siphon with dry-running and low pressure protection.
- + The perfect combination: the flexible and easy to install Air 56 air distribution system.



# The plug and heat principle:

A lot included.  
But still allowing  
flexible installation.

M Flex has a numerous factory-fitted components already included, that have to be bought and installed as add-ons with comparable heat pumps. This saves value time and, above all, money during planning and installation. With M Flex, a complete heating system is quick and easy to install. The option of combining with a central ventilation unit and domestic hot water cylinder ensures exceptionally good flexibility.



Model name / Performance level	M Flex 6-9 kW Air-to-water heat pump.	M Flex 9-16 kW Air-to-water heat pump.
Article number	378550	378560
Order reference	M Flex 0609	M Flex 0916***
Energy efficiency class low / middle temperature*	A++ / A+	A+++ / A++
Max. heating water temperature	+ 60 °C + / - 2 °C	+ 60 °C + / - 2 °C
Operating limits for heat source / air (heating operation)	- 22 °C to + 35 °C	- 22 °C to + 35 °C
Indoor unit: Dimensions (W x H x D)	600 x 1,400 x 750 mm	600 x 1,400 x 750 mm
Outdoor unit: Dimensions (W x H x D)	850 x 1,230 x 600 mm	850 x 1,230 x 600 mm
Sound power level outside unit (normal / reduced operation)	55 dB(A) / 47 dB(A)	55 dB(A) / 47 dB(A)
Sound pressure level outside at 2.5 m distance Wall mounted at A7 / W55 (reduced operation)	35 dB(A)	35 dB(A)
Sound pressure level outside at 5 m distance Wall mounted at A7 / W55 (normal operation)	35 dB(A)	35 dB(A)
Connection voltage	1 / N / PE ~ 230 V (50 Hz)	3 / N / PE ~ 400 V (50 Hz)
Heat output A7 / W35 / COP	4.7 kW / 4.8	6.9 kW / 5.0
Heat output A2 / W35 / COP	4.2 kW / 4.2	6.5 kW / 4.3
Heat output A-7 / W35 / COP	6.0 kW / 3.0	9.4 kW / 3.0
<b>Flexible extension options:</b>		
2nd heating circuit	Accessories	Accessories
Domestic hot water	Accessories	Accessories
Bivalent / renewable	Accessories	Accessories

Model name / Performance level	M Flex Air. Ventilation unit with heat recovery.	M Flex Air Plus. Ventilation unit with heat and moisture recovery.
Article number	378020	378030
For use in residential properties	Up to approximately 250 m²	Up to approximately 250 m²
Air flow rate min. - max.	50 - 320 m³/h	50 - 320 m³/h
Air flow rate levels 1 / 2 / 3	90 / 160 / 225 m³/h	90 / 160 / 225 m³/h
Ext. pressure difference (at 300 m³/h)	170 Pa	170 Pa
Air quality sensors	Integrated into exhaust air and outside air	Integrated into exhaust air and outside air
Sound pressure level (at 250 m³/h at 1m)	42 dB	42 dB
Heat exchanger	cross counter flow	cross counter flow with moisture recovery
Max. heat supply rate	Up to 92 %	Up to 85 %
Electrical efficiency	0.25 Wh/m³	0.25 Wh/m³
Summer bypass	Yes	Yes
Fireplace safety function	Yes	Yes
Power supply	1 / N / PE ~230V, 50Hz	1 / N / PE ~230V, 50Hz
Air duct connection	Ø 160 mm	Ø 160 mm
Filter class	ePM10 (M5)	ePM10 (M5)
Dimensions (W x H x D)	534 x 1,360 x 560 mm	534 x 1,360 x 560 mm
Energy efficiency class**	A	A
„Passive House“ certificate	Requested	Requested

The specified values are preliminary data, which can change until series production.

\* In a range from A+++ to D.

\*\* In a range from A+ to G.

\*\*\* Also available as a single-phase variant: Order reference M Flex 09-16M

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