M Flex 0609HBC M

Data sheet

Experience Better Living.

Air-to-water heat pump in integral design.

Compact outdoor unit for installation close to walls (0.4 m distance from walls) and slow running, naturally quiet EC fan. Pipe heater, electrically switchable, with 2, 4 or 6 kW for optional support in heating operation or during domestic hot water preparation. High-efficiency circulating pump for the generator and consumer circuit (EEI ≤ 0.2). Expansion vessel with 24 l and safety valve. Buffer tank connected in series (50 l) and dual differential pressureless manifold for high operational reliability and efficient operation. Three-way reversing valve for heating operation/domestic hot water preparation Heat pump control with touch display for convenient operation. The following components are integrated and wired ready-to-use in the hydraulic unit: Heat pump system for heating and cooling with inverter control and integrated WPM Touch heat pump manager with touch display. The system consists of an outdoor module and a hydraulic unit for indoor installation, connected via a load, communication and refrigerant line (special accessories). The control system uses an inverter to adjust the heat pump output to the actual demand for heating and/or hot water consumption. The hydraulic unit, which has been optimised to take up minimal space in the installation room, can be flexibly expanded to allow for different applications. In addition to domestic hot water preparation, a maximum of three functions can be covered by the integrated control (domestic hot water preparation, mixed heating circuit, reversible operation, integration of boiler (bivalent) and/or heat from renewable sources (e.g. wood boiler, solar thermal system). Internet compatible thanks to NWPM Touch (accessory) for operation using the Dimplex Home app. Side parts and cover anthracite grey textured (similar to RAL 7016), front panels grey aluminium textured (similar to RAL 9007). Dirt trap, flow and pressure sensor, as well as flow and return sensor and external sensor (standard NTC-2) included in the scope of supply. Domestic hot water sensor pre-wired ready for use, length approx. 3 m.



Technical Data

Order reference	M Flex 0609HBC M
Cooling capacity A27/W18	6.8
EER A27/W18	4.1
Energy efficiency class with 35 °C flow temperature	A++
Seasonal room heating energy efficiency (high temperature)	116
Seasonal space heating energy efficiency in average climate conditions (NT)	154
Energy efficiency class with 55 °C flow temperature	A+
Connection voltage	1/N/PE ~230 V, 50 Hz
Dimensions (W x H x D)**	850 x 1230 x 600 mm
Weight	333 kg

* Heating and cooling capacity and coefficients of performance (COP/EER) in accordance with EN 14511

** Please note that additional space is required for pipe connection, operation and maintenance.

*** The fuse protection must be designed as an all-pole disconnecting device (common disconnection of all phases)!

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Technical alterations, delivery possibilities, and errors are subject to change.

M Flex 0609HBC M

System accessories

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Description	Order-ref.	Article-number	Example Piece	Units	Price
Heat pump air split					
Air-to-water heat pump in integral design.	M Flex 0609HBC M	381080	1		
Central domestic ventilation unit with heat recovery	M Flex Air	378020	1		
Central domestic ventilation unit with heat recovery	M Flex Air Plus	378030	1		
Domestic hot water cylinder (300l) with temperature sensor	WWSP 335	376760	1		
Accessories hydraulic					
Connection set 2nd M Flex heating circuit	AS 2HK	378780	1		
Connection set 2nd heat generator	AS 2WE	378770	1		
M Flex Cooling heating circuit connection kit 1	ASC 1HK	381620	1		
Connection kit for M Flex Cooling 2nd heating circuit	ASC 2HK	381630	1		
3-way ball valve DN 25	DWK 25	364680	1		
Mixed heating circuit System M module	MHM 25	M99008	1		
Mixed heating circuit heating/cooling System M module	MHMC 25	M99010	1		
Module based on MFLex Cooling heating/cooling circuit	MHMC 25Flex	M99032	1		
Unmixed heating circuit System M module	MHU 25	M99007	1		
Unmixed heating circuit heating/cooling System M module	MHUC 25	M99009	1		
Mixer module for bivalent systems	MMB 25	348880	1		
Mixed heating circuit module with temperature sensor	MMH 25	348640	1		
High-efficiency circulating pump DN 25 with coupling relay	UP 75-25PK	376740	1		
Electronically controlled wet-running pump, self-regulating	UPE 100-25K	374720	1		

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System accessories

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Description	Order-ref.	Article-number	Example Piece	Units	Price
El. cont. circulating pump: Control type Δp-c, fixed speed, PWM control optional	UPE 80-25PK	380160	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-100	362530	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-150	362540	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-200	362550	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-300	362560	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-50	362520	1		
Domestic hot water module/unmixed heating circuit module	WWM 25	346600	1		
Accessories for heating					
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650100	381220	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650140	381230	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650180	381240	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 165080	381210	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150100	381250	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150140	381260	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150180	381270	1		
Heat pump heater vertical	WPHKV 1220053	381280	1		
Accessories domestic hot water					
Design domestic hot water cylinder 250 l System M	MDHW 232	M99013	1		
Design domestic hot water cylinder 330l System M	MDHW 335	M99018	1		
Domestic hot water cylinder 200l with temperature sensor	WWSP 229	374570	1		

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Description	Order-ref.	Article-number	Example Piece	Units	Price
Domestic hot water cylinder (300l) with temperature sensor	WWSP 335	376760	1		
Domestic hot water cylinder (400 l) with temperature sensor	WWSP 442	372840	1		
Accessories solar					
400l solar cylinder for heat pump	WWSP 432 SOL	361080	1		
Accessories controls					
Outside temperature sensor with casing	FG 3115	336620	1		
Expansion module WPM for a KNX/EIB connection	KNX WPM	376350	1		
Extension for a Modbus RTU connection	LWPM 410	339410	1		
Temperature sensor NTC-10 with metal sleeve	NTC-10M	363600	1		
Extension for an Ethernet network connection	NWPM Touch	378800	1		
Smart RTC+ - intelligent room temperature control	RTM Econ A	367210	1		
Smart RTC+ - intelligent room temperature control	RTM Econ U	367200	1		
Expansion module for the WPM Touch	WPM Touch +2	378920	1		

* Additional specific accessories available/required

Important notice

The combination of components and the specified quantities represent a non-binding example system that must be reviewed and, if necessary, adjusted individually.
The pumpsizing needs to be checked according to the system's pressure loss and the minimum heating water flow rate of the heat pump.

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