



COMPLETE SYSTEMS 2007:

HEAT PUMPS

■ International – **400V**

■ Export – **230V**

Dimplex

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**Low-temperature air-to-water heat pumps
in a compact design with 90° air hose deflection - 230 V**

Flow temperature: 58 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LIK 8ME	352750	7,5 kW	750 x 675 x 1900	245	230 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). The integrated air circuit with 90° deflection enables direct corner installation without air ducts, or wall installation with air ducts at the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Compact design with optimal DHW preparation and integrated components for easy connection of an unmixed heating circuit: - Expansion vessel (24 l) - Heat circulating pump (free compression 45,000 Pa) - Overflow valve and safety components - Buffer tank (50 l) - Supplementary electric heating, 2 kW (must not be used for bivalent systems). Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) and 3 flexible connecting hoses (1", 500 mm) included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

**Low-temperature air-to-water heat pumps
in a compact design with 90° air hose deflection**

Flow temperature: 58 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LIK 8TE	352590	7,5 kW	750 x 675 x 1900	245	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). The integrated air circuit with 90° deflection enables direct installation in corners without air ducts or on walls with air ducts at the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Compact design with optimal DHW preparation and integrated components for easy connection of an unmixed heating circuit: - Expansion vessel (24 l) - Heat circulating pump (free compression 45,000 Pa) - Overflow valve and safety components - Buffer tank (50 l) - Supplementary electric heating, 2 kW (must not be used for bivalent systems). Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) and 3 flexible connecting hoses (1", 500 mm) included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

**Low-temperature air-to-water heat pumps
in a universal design with 90° air hose deflection**

Flow temperature: 58 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LI 9TE	352610	7,5 kW	750 x 650 x 1250	177	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can be used also as wired remote control using a wall-mounting kit (special accessory). The integrated air circuit with 90° deflection enables direct installation in corners without air ducts or on walls with air ducts at the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with optional DHW preparation and the possibility of flexible expansion for: - Bivalent or bivalent-renewable operating mode	

Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
						- Distribution systems with unmixed and mixed heating circuits. Integrated switchable supplementary heating (2/4/6 kW), soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Low-temperature air-to-water heat pumps in a universal design - 230 V

Flow temperature: 58 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LI 11ME	352760	9,1 kW	750 x 875 x 1360	200	230 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). The integrated air circuit enables corner or wall installation with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with optional DHW preparation and the option of flexible expansion for: - Bivalent or bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Low-temperature air-to-water heat pumps in a universal design

Flow temperature: 58 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LI 11TE	352630	8,8 kW	750 x 875 x 1360	200	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with optional DHW preparation and the possibility of flexible expansion for: - Bivalent or bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated switchable supplementary heating (2/4/6 kW), soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	
LI 16TE	352650	12,2 kW	750 x 875 x 1570	235	400 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Low-temperature air-to-water heat pumps
Flow temperature: 58 °C
Universal design with rotated direction of air flow from right to left


Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LI 11TEL	352640	8,8 kW	750 x 875 x 1360	200	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with optional DHW preparation and the possibility of flexible expansion for: - Bivalent or bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated switchable supplementary heating (2/4/6 kW), soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	
LI 16TEL	352660	12,2 kW	750 x 875 x 1570	235	400 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Low-temperature air-to-water heat pumps
Flow temperature: 58 °C
in a universal design with two performance levels


Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LI 20TE	352670	9,3 / 14,9 kW	750 x 875 x 1570	255	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with two compressors for flexible capacity, optional DHW preparation and the possibility of flexible expansion for: - Bivalent and bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	
LI 24TE	352690	10,9 / 19,2 kW	750 x 1025 x 1710	310	400 V		
LI 28TE	352710	12,8 / 22,3 kW	750 x 1025 x 1710	314	400 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Low-temperature air-to-water heat pumps
Flow temperature: 58 °C
Universal design with rotated direction of air flow from right to left


Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LI 20TEL	352680	9,3 / 14,9 kW	750 x 875 x 1570	255	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with two compressors for flexible capacity, optional DHW preparation and the possibility of flexible expansion for: - Bivalent and bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply. Temperature operating limits of air as a heat source:	

Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
						-25 °C to 35 °C	
LI 24TEL	352700	10,9 / 19,2 kW	750 x 1025 x 1710	310	400 V		
LI 28TEL	352720	12,8 / 22,3 kW	750 x 1025 x 1710	314	400 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

High-temperature air-to-water heat pumps

Flow temperature: 75 °C

in a universal design with low and high temperature level



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LIH 22TE	352730	13,6 kW	750 x 1025 x 1710	370	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with low-temperature and high-temperature level, optional DHW preparation and the possibility of flexible expansion for: - Bivalent and bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	
LIH 26TE	352740	15,9 kW	750 x 1025 x 1710	377	400 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

**Reversible air-to-water heat pumps in a compact design
with 90° air hose deflection for heating and cooling - 230 V**

Flow temperature: 58 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LIK 8MER	352790	7,5 kW	750 x 675 x 1900	250	230 V	Heat pump for heating and cooling for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as wired remote control using a wall-mounting kit (special accessory). The integrated air circuit with 90° deflection enables direct corner installation without air ducts, or wall installation with air ducts at the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Compact design with optimal DHW preparation and integrated components for easy connection with fan connectors: - Expansion vessel (24 l) - Heat circulating pump (free compression 45,000 Pa) - Overflow valve and safety components - Buffer tank (50 l) - Supplementary electric heating, 2 kW (must not be used for bivalent systems). Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) and 3 flexible connecting hoses (1", 500 mm) included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

**Reversible air-to-water heat pumps in a universal design
for heating and cooling - 230 V**

Flow temperature: 58 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LI 11MER	352800	8,9 kW	750 x 875 x 1360	205	230 V	Heat pump for heating and cooling for indoor installation with WPM 2007 R integrated control and control panel that can also be used as wired remote control using a wall-mounting kit (special accessory). The integrated air circuit enables corner or wall installation with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Option of flexible expansion for: - Bivalent operating mode - Combined distribution systems for heating and cooling - Unmixed and mixed heating and cooling circuits. Silent cooling via panel heating/cooling systems requires the use of the room climate control station (special accessory) to regulate the flow temperature on the basis of the air temperature and humidity of a reference room. Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

**Reversible air-to-water heat pumps
in a universal design with waste heat recovery in cooling operation**

Flow temperature: 58 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LI 11TER+	352770	8,8 kW	750 x 850 x 1360	222	400 V	Heat pump for heating and cooling for indoor installation with WPM 2007 R integrated control and control panel that can be used also as wired remote control using a wall-mounting kit (special accessory). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Reversible design with additional heat exchanger for higher DHW temperatures in heating operation and waste heat recovery in cooling operation. Possibility of flexible expansion for: - Bivalent operating mode - Combined distribution systems for heating and cooling	

Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
						- Unmixed and mixed heating and cooling circuits. Silent cooling via panel heating/cooling systems requires the use of the room climate control station (special accessory) to regulate the flow temperature on the basis of the air temperature and humidity of a reference room. Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	
LI 16TER+	352780	12,8 kW	750 x 875 x 1570	260	400 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Heating water hose connection set



Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
SAS 100	340320	Heating water hose connection set		4	1"	Hydraulic connection set to facilitate installation of air-to-water heat pumps. Consisting of: Two metal braided hoses (500 mm), two double nipples, two 90° angles and two flat gaskets.	
SAS 110	340330	Heating water hose connection set		5	1 1/4"	Hydraulic connection set to facilitate installation of air-to-water heat pumps. Consisting of: Two metal braided hoses (500 mm), two double nipples, two 90° angles and two flat gaskets.	

Built-under buffer tank for LI 11 - LI 20

Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
PSP 140E	353970			Accessories: CTHK 631 CTHK 632 CTHK 633 CTHK 634 CTHK 635 CTHK 636	Included in the air-to-water heat pump design for indoor installation, enabling space-saving installation on top of the built-under buffer; capacity 140 l; polyurethane insulation for heating and cooling; includes two 1½" bushes for immersion heater (up to CTHK 636); 1" hot water connection; colour: white; brown red design screen.	

Air duct hose set



Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
LUS 11	337390	Air duct hose set	ø 500	50		Air circuit for internally installed air-to-water heat pumps for use in rooms with low temperatures and low humidity. The set contains a 5-m length of thermally-insulated and sound-insulated air hose which can be used for both the air intake and the air outlet side. The air intake and air outlet can be led through a light well or wall opening which must be constructed and insulated on site. Mounting plates for the heat pump and the wall opening as well as all the required installation materials are included in the scope of supply.	
LUS 16	337400	Air duct hose set	ø 600	50			

Air ducts for air intake and air outlet

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
LKK 500	339720	Short air duct	500 x 625 x 500	12		Air duct made of glass fibre reinforced concrete; optimally suited for air-to-water heat pump air circuits. Thermally-insulated and sound-insulated on the inside to prevent the formation of condensate and considerably reduce sound transmission. The ducts must be protected against driving rain and can, if necessary, be cut to length and/or painted with water-proof emulsion paint on site. Minor damage to the outer surface has no effect on the efficiency and can be repaired with standard plaster.	
LKB 500	339730	90° air duct bend	700 x 800 x 500	17			
LKL 500	339710	Long air duct	500 x 1250 x 500	23			

Sealing collar for air outlet

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
DMK 500	340260	Sealing collar for air intake or air outlet		4		Rubber gasket for vibration-free connection of air ducts to heat pump including screwed fastening frame	

Air ducts for air intake and air outlet

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
LKK 600	339750	Short air duct	600 x 625 x 600	14		Air duct made of glass fibre reinforced concrete; optimally suited for air-to-water heat pump air circuits. Thermally-insulated and sound-insulated on the inside to prevent the formation of condensate and considerably reduce sound transmission. The ducts must be protected against driving rain and can, if necessary, be cut to length and/or painted with water-proof emulsion paint on site. Minor damage to the outer surface has no effect on the efficiency and can be repaired with standard plaster.	
LKK 700	339780	Short air duct	694 x 625 x 694	16			
LKK 800	339810	Short air duct	769 x 625 x 769	17			
LKB 600	339760	90° air duct bend	750 x 1100 x 600	25			
LKL 600	339740	Long air duct	600 x 1250 x 600	28			
LKL 700	339770	Long air duct	694 x 1250 x 694	32			
LKB 700	339790	90° air duct bend	844 x 1244 x 694	32			
LKL 800	339800	Long air duct	769 x 1250 x 769	34			
LKB 800	339820	90° air duct bend	919 x 1319 x 769	36			

Installation hardware

Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
VSK 500	341200		2		Only required if ducts need to be cut to length. Consisting of channel-section frame and adhesive paste for sealing the cut edges.	
VSK 600	341210		3			
VSK 700	341220		4			
VSK 800	341230		4			

Sealing collars for air intake and air outlet

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
DMK 600	340270	Sealing collar for air intake and air outlet		9		Rubber gasket for vibration-free connection of air ducts to heat pump including screwed fastening frame	
DMK 700	340280	Sealing collar for air intake and air outlet		10			
DMK 800	340290	Sealing collar for air intake and air outlet		12			

Rain guards for air intake and air outlet


Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
RSG 500	340220	Heat pump rain guard	650 x 50 x 650	3		Rain guard made of aluminium, specially developed for air-to-water heat pumps for mounting to above-ground wall openings. The permissible overall pressure loss is not exceeded when integrated with the air hose set and/or air ducts in a standard manner; painted grey white (RAL 9002).	
RSG 600	340230	Heat pump rain guard	750 x 50 x 750	4			
RSG 700	340240	Heat pump rain guard	840 x 50 x 840	5			
RSG 800	340250	Heat pump rain guard	920 x 70 x 920	7			

Low-temperature air-to-water heat pumps for installation close to walls

Flow temperature: 55 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 8AS	342230	6,6 kW	750 x 650 x 1280	166	400 V	Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and stainless steel base frame. Diagonal airducts enable the unit to be installed close to the wall (minimum clearance of air intake: 30cm); if exposed to the elements, the air discharge must not point into the main direction of the wind; sound-optimised through use of slow-running sickle-blade axial fans; energy-efficient defrosting through cycle reversal and inclined evaporator; return sensor and outside temperature sensor are supplied with the unit, soft starter is integrated. Electric connecting cable between heat pump and heat pump controller to be ordered separately. Temperature operating limits of air as a heat source: -20 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Low-temperature air-to-water heat pumps for outdoor installation - 230 V

Flow temperature: 55 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 11MS	342420	9,1 kW	1360 x 850 x 1360	219	230 V	Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager); sound-optimized through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor supplied with the unit, soft starter is integrated. Electric connecting cable between heat pump and heat pump controller must be ordered separately. Temperature operating limits of air as a heat source: -20 °C to 35 °C	
LA 16MS	351270	12,7 kW	1550 x 850 x 1570	264	230 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Low-temperature air-to-water heat pumps for outdoor installation

Flow temperature: 55 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 11AS	339950	8,8 kW	1360 x 850 x 1360	219	400 V	Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager); sound-optimized through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor supplied with the unit, soft starter is integrated. Electric connecting cable between heat pump and heat pump controller must be ordered separately. Temperature operating limits of air as a heat source: -20 °C to 35 °C	
LA 16AS	339960	12,2 kW	1550 x 850 x 1570	264	400 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Low-temperature air-to-water heat pumps
Flow temperature: 55 °C
for outdoor installation with two performance levels


Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 20AS	339970	9,3 / 14,9 kW	1550 x 850 x 1570	284	400 V	Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and two compressors for flexible adaptation of the output to individual requirements; stainless steel base frame; sound-optimised through use of low-noise sickle-blade axial fans and air deflection hoods; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor are supplied with the unit; soft starter is integrated. Electric connecting cable between heat pump and heat pump controller must be ordered separately. Temperature operating limits of air as a heat source: -20 °C to 35 °C	
LA 24AS	339980	10,9 / 19,2 kW	1680 x 1000 x 1710	351	400 V		
LA 28AS	339990	12,8 / 22,3 kW	1680 x 1000 x 1710	355	400 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Medium-temperature air-to-water heat pumps
Flow temperature: 65 °C
for installation close to walls


Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 9PS	340000	7,1 kW	660 x 770 x 1320	168	400 V	Medium-temperature air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) sound-optimised through use of slow-running sickle-blade axial fans; energy-efficient defrosting through cycle reversal; return sensor and outside temperature sensor are supplied with the unit. Electric connecting cable between heat pump and heat pump controller to be ordered separately. Temperature operating limits of air as a heat source: -20 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Medium-temperature air-to-water heat pumps
Flow temperature: 65 °C
for outdoor installation


Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 11PS	353320	9,2 kW	1550 x 850 x 1570	259	400 V	Medium-temperature air-to-water heat pumps for outside installation with external temperature controlled WPM 2006 plus heat pump manager; sound-optimised through the use of low-noise crescent wing axial-flow fans and air deflection covers; stainless steel base frame; energy-efficient hot gas defrosting. Integrated soft starter; return flow sensor and external temperature sensor included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Medium-temperature air-to-water heat pumps

Flow temperature: 65 °C

for outdoor installation with two performance levels



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 17PS	353330	8,7 / 14,5 kW	1550 x 850 x 1570	330	400 V	Medium-temperature air-to-water heat pumps for outside installation with external temperature controlled WPM 2006 plus heat pump manager and two compressors for flexible capacity; sound-optimised through the use of low-noise crescent wing axial-flow fans and air deflection covers; stainless steel base frame; energy-efficient hot gas defrosting. Integrated soft starter; return flow sensor and external temperature sensor included in the scope of supply. Temperature operating limits of air as a heat source: -25 °C to 35 °C	
LA 22PS	348420	10,6 / 16,7 kW	1680 x 1000 x 1710	360	400 V		
LA 26PS	351890	11,7 / 18,8 kW	1680 x 1000 x 1710	371	400 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

High-temperature air-to-water heat pumps

Flow temperature: 75 °C

with low and high temperature levels for outdoor installation



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 22HS	340120	13,6 kW	1680 x 1000 x 1710	411	400 V	High-temperature air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager); sound-optimised through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator; soft starter is integrated, return and outside temperature sensors are supplied with the unit. For hot water production in the summer, a flow temperature of 60°C is available. Electric connecting cable between heat pump and heat pump controller must be ordered separately. Temperature operating limits of air as a heat source: -20 °C to 35 °C	
LA 26HS	340130	15,9 kW	1680 x 1000 x 1710	418	400 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Control line for the heat pump manager



Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
EVL 996-1	321990	Heat pump manager control line (10 m)		3		Coded connecting line between the heat pump manager (heating controller) and an outdoor air-to-water heat pump. Wired ready for use with non-confusable plug connections (ductwork at least 70 mm).	
EVL 997-1	322000	Heat pump manager control line (20m)		6			
EVL 998-1	322010	Heat pump manager control line (30m)		10			

**Reversible air-to-water heat pumps for heating and cooling,
for outdoor installation - 230 V**

Flow temperature: 55 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 11MSR	342690	8,9 kW	1360 x 850 x 1360	224	230 V	Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and reversible refrigeration cycle for heating and cooling. Sound-optimized through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor supplied with the unit, soft starter is integrated. Electric connecting cable EVL...R between heat pump and heat pump controller must be ordered separately. Temperature operating limits of air as a heat source: -20 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

**Reversible air-to-water heat pumps
for outdoor installation with waste heat recovery in cooling operation**

Flow temperature: 55 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 11ASR	342730	8,8 kW	1360 x 850 x 1360	241	400 V	Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and reversible refrigeration cycle for heating and cooling. An additional heat exchanger increases the hot water temperature in the heating mode and uses the waste heat generated in the cooling mode; sound-optimized through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor supplied with the unit, soft starter is integrated. Electric connecting cable EVL...R between heat pump and heat pump controller must be ordered separately. Temperature operating limits of air as a heat source: -20 °C to 35 °C	
LA 16ASR	340090	12,8 kW	1550 x 850 x 1570	289	400 V		

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Control line for heat pump manager for heating and cooling



Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
EVL 10 R	342510	Control line for heating/cooling heat pump manager (10 m)	ø 50	5		Coded connecting line between the wall-mounted heat pump manager for heating and cooling and an outside, reversible air-to-water heat pump. Wired ready for use with non-confusable plug connections (ductwork at least 70 mm).	
EVL 20 R	342520	Control line for heating/cooling heat pump manager (20 m)		9			
EVL 30 R	342530	Control line for heating/cooling heat pump manager (30 m)		14			

**Reversible air-to-water heat pumps in a compact design for heating and cooling, Flow temperature: 55 °C
for installation close to walls and simplified regulation - 230 V**


Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 6MR	350790		1270 x 670 x 860	159	230 V	Air-to-water heat pump for outdoor installation, reversible refrigeration cycle for heating and cooling and built-in heat pump control. A remote control contained in the scope of delivery enables manual setting of the desired return temperature as well as external control via a higher-order control unit, energy-efficient defrosting through cycle reversal. Important assemblies of the heating cycle are already integrated into the unit: Heating circulating pump, expansion vessel, safety assembly, return and outside temperature sensor. Temperature operating limits of air as a heat source: -20 °C to 35 °C	
LA 8MR	350800		1270 x 670 x 860	165	230 V	Air-to-water heat pump for outdoor installation, reversible refrigeration cycle for heating and cooling and built-in heat pump control. A remote control contained in the scope of delivery enables manual setting of the desired return temperature as well as external control via a higher-order control unit, energy-efficient defrosting through cycle reversal. Important assemblies of the heating cycle are already integrated into the unit: Heating circulating pump, expansion vessel, safety assembly, return and outside temperature sensor. Temperature operating limits of air as a heat source: -20 °C to 35 °C	
LA 10MR	350810		1270 x 670 x 860	170	230 V	Air-to-water heat pump for outdoor installation, with a reversible refrigeration cycle for heating and cooling and built-in heat pump control. A remote control contained in the scope of delivery enables manual setting of the desired return temperature as well as external control via a higher-order control unit, energy-efficient defrosting through cycle reversal. Important assemblies of the heating cycle are already integrated into the unit: Heating circulating pump, expansion vessel, safety assembly, return and outside temperature sensor. Temperature operating limits of air as a heat source: -20 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

**Reversible air-to-water heat pumps in a compact design Flow temperature: 55 °C
for heating and cooling, for installation close to walls and simplified regulation**


Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LA 12TR	350820		1270 x 670 x 860	185	400 V	Air-to-water heat pump for outdoor installation, reversible refrigeration cycle for heating and cooling and built-in heat pump control. A remote control contained in the scope of delivery enables manual setting of the desired return temperature as well as external control via a higher-order control unit, energy-efficient defrosting through cycle reversal. Important assemblies of the heating cycle are already integrated into the unit: Heating circulating pump, expansion vessel, safety assembly, return and outside temperature sensor. Temperature operating limits of air as a heat source: -20 °C to 35 °C	
LA 16TR	350830		1270 x 670 x 860	196	400 V	Air-to-water heat pump for outdoor installation, reversible refrigeration cycle for heating and cooling and built-in heat pump control. A remote control contained in the scope of delivery enables manual setting of the desired return temperature as well as external control via a higher-order control unit, energy-efficient defrosting through cycle reversal. Important assemblies of the heating cycle are already integrated into the unit: Heating circulating pump, expansion vessel, safety assembly, return and outside temperature sensor. Temperature operating limits of air as a heat source: -20 °C to 35 °C	

* The specified values have the following meaning, e.g.: A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.



Swimming pool heat pumps

Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
LAS 10MT	352060	12,1 kW	1270 x 670 x 860	147	230 V	Air-to-water heat pump for outdoor installation for heating swimming pool water. Titanium heat exchanger for safe operation, also suitable for salt water and any type of water preparation; efficient use of environmental energy thanks to SCROLL compressor; year-round operation thanks to integrated automatic defrosting as standard (air temperature operating limit -10 to + 35 °C); refrigerant R 407C; soft starter as standard; control via wired remote control included in the scope of supply; stainless steel upright support; powder-coated sheet steel casing; supply voltage 230 V.	
LAS 15MT	352070	16,6 kW	1270 x 670 x 860	155	230 V	Air-to-water heat pump for outdoor installation for heating swimming pool water. Titanium heat exchanger for safe operation, also suitable for salt water and any type of water preparation; efficient use of environmental energy thanks to SCROLL compressor; year-round operation thanks to integrated automatic defrosting as standard (air temperature operating limit -10 to + 35 °C); refrigerant R 407C; soft starter as standard; control via wired remote control included in the scope of supply; stainless steel upright support; powder-coated sheet steel casing; supply voltage 230 V.	
LAS 22TT	352080	22,3 kW	1270 x 670 x 860	162	400 V	Air-to-water heat pump for outdoor installation for heating swimming pool water. Titanium heat exchanger for safe operation, also suitable for salt water and any type of water preparation; efficient use of environmental energy thanks to SCROLL compressor; year-round operation thanks to integrated automatic defrosting as standard (air temperature operating limit -10 to + 35 °C); refrigerant R 407C; soft starter as standard; control via wired remote control included in the scope of supply; stainless steel upright support; powder-coated sheet steel casing; supply voltage 400 V.	

* The specified values have the following meaning, e.g.: A20/W24: heat source temperature 20 °C, heat outlet temperature 24 °C.

Installation material for connecting the heat pump to the heating system

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
AS 976	322180	1" connecting hose (10 m)		7	Accessories: SCHAT 975-1 TUE 430	Flexible, compression-proof hose for connecting the heat pump to the heating system, length 10 m, can be cut to length, without insulation	
SCHAT 975-1	322250	Hose nozzle for 1" / 1" connecting hose		1	1" / 1"	1" hose nozzle with a 1" external thread and hose clip for AS 976 connecting hose, for connection to the heating system (e.g. compact manifold).	
TUE 430	337430	Nozzle for 1" connecting hose		1	1"	1" nozzle with cap nut (internal thread) for AS 976 connecting hose, for connection to heat pump.	
AS 976-1	330530	1 1/4" connecting hose (10 m)		9	Accessories: SCHAT 975-3 SCHAT 975-4 TUE 440	Flexible, compression-proof hose for connecting the heat pump to the heating system, length 10 m, can be cut to length, without insulation	
SCHAT 975-3	322260	Hose nozzle for 1" / 1 1/4" connecting hose		1	1" / 1 1/4"	1" hose nozzle, with a 1 1/4" external thread and hose clip for AS 976 connecting hose, for connection to the heating system.	
SCHAT 975-4	330540	1 1/4" / 1 1/4" hose nozzle for connecting hose		1	1 1/4" / 1 1/4"	1 1/4" hose nozzle, with a 1 1/4" external thread and hose clip for AS 976-1 connecting hose, for connection to the heating system.	
TUE 440	337440	1 1/4" nozzle for connecting hose		1	1"	1 1/4" nozzle with cap nut (internal thread) for AS 976-1 connecting hose, for connection to heat pump.	

Low-temperature brine-to-water heat pumps

Flow temperature: 58 °C

in a compact design with integrated brine components - 230 V



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SIK 11ME	352990	11,8 kW	652 x 688 x 1110	191	230 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). Integrated brine components enable direct connection of the heat source: - Brine circulating pump (free compression 40000 Pa) - Expansion vessel (8 l) - Safety valve and pressure manometer. Sound-optimised through double vibration-isolated compressor, insulated metal casing and solid-borne sound insulation for direct connection to heating system; economiser for high COPs. Compact design with optimal DHW preparation and integrated components for easy connection of an unmixed heating circuit: - Heat circulating pump (free compression 65500 Pa) - Overflow valve - Safety valve and pressure manometer - Expansion vessel, 24 l (must not be used for bivalent systems). Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2), dirt filter and large-capacity breather with micro air bubble deposition for sole circuit included in the scope of supply. Brine circuit manifold must be ordered separately. Temperature operating limits of the heat source: -5 °C to 25 °C	
SIK 16ME	353000	15,8 kW	652 x 653 x 1110	203	230 V		

* The specified values have the following meaning, e.g.: B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.

Low-temperature brine-to-water heat pumps

Flow temperature: 58 °C

in a compact design with integrated brine components



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SIK 7TE	352810	6,9 kW	652 x 688 x 1110	179	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). Integrated brine components enable the direct connection of the heat source: - Brine circulating pump (free compression 55,000 Pa) - Expansion vessel (8 l) - Safety valve and pressure manometer. Sound-optimised through double vibration-isolated compressor, insulated metal casing and solid-borne sound insulation for direct connection to the heating system; economiser for high COPs. Compact design with optimal DHW preparation and integrated components for easy connection of an unmixed heating circuit: - Heat circulating pump (free compression 47,000 Pa) - Overflow valve - Safety valve and pressure manometer - Expansion vessel 24 l (must not be used for bivalent systems). Integrated flow and return flow sensors; external sensor (standard NTC-2), dirt filter and large-capacity breather with micro air bubble deposition for sole circuit included in the scope of supply. Brine circuit manifold must be ordered separately. Temperature operating limits of the heat source: -5 °C to 25 °C	
SIK 9TE	352820	9,2 kW	652 x 688 x 1110	180	400 V		
SIK 11TE	352830	11,8 kW	652 x 688 x 1110	191	400 V		
SIK 14TE	352840	14,5 kW	652 x 688 x 1110	203	400 V		

* The specified values have the following meaning, e.g.: B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.

**Low-temperature brine-to-water heat pumps
in a universal design - Basic series - 230 V**

Flow temperature: 58 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SI 5ME		4,9 kW	650 x 462 x 805	95	230 V	Heat pump for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). Variable connection options for brine and heating system connections on the rear wall of the casing. Sound-optimised through insulated metal casing and double vibration-isolated compressor. Universal design with optional DHW preparation and the option of flexible expansion for: - Bivalent or bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated soft starter, external sensor (standard NTC-2), dirt filter for brine circuit included in the scope of supply. Brine package and brine circuit manifold must be ordered separately. Temperature operating limits of the heat source: -5 °C to 25 °C	
SI 7ME	353020	6,4 kW	650 x 462 x 805	98	230 V		
SI 9ME	353030	9,2 kW	650 x 462 x 805	104	230 V		
SI 11ME	353040	11,0 kW	650 x 462 x 805	108	230 V		
SI 14ME	353050	14,5 kW	650 x 462 x 805	120	230 V		

* The specified values have the following meaning, e.g.: B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.

**Low-temperature brine-to-water heat pumps
in a universal design - Basic series**

Flow temperature: 58 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SI 5TE	352850	5,3 kW	650 x 462 x 805	109	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). Variable connection options for brine and heating system connections on the rear wall of the casing. Sound-optimised through insulated metal casing and double vibration-isolated compressor; economiser for high COPs. Universal design with optional DHW preparation and the possibility of flexible expansion for: - Bivalent or bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. External sensor (standard NTC-2), dirt filter for brine circuit included in the scope of supply. Brine package and brine circuit manifold must be ordered separately. Temperature operating limits of the heat source: -5 °C to 25 °C	
SI 7TE	352860	6,9 kW	650 x 462 x 805	111	400 V		
SI 9TE	352870	9,2 kW	650 x 462 x 805	118	400 V		
SI 11TE	352880	11,8 kW	650 x 462 x 805	122	400 V		
SI 14TE	352890	14,5 kW	650 x 462 x 805	130	400 V		

* The specified values have the following meaning, e.g.: B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.

**Low-temperature brine-to-water heat pumps
in a universal design**

Flow temperature: 58 °C



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SI 17TE	352900	17,1 kW	650 x 462 x 805	133	400 V	Brine-to-water heat pump for flexible use with external temperature controlled heat pump manager and economiser for high COPs. Extremely quiet through one-piece plastic cover and double vibration-isolated compressor. Variable connection options for brine and heating system connections on the rear wall of the casing. External sensor, return flow sensor and dirt trap included in the scope of supply; load contactor for brine circulating pump and soft starter fitted as standard. Equipment for the brine circuit and brine circuit manifold must be ordered separately. Temperature operating limits of the heat source: -5 °C to 25 °C	

Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SI 21TE	353410	21,1 kW	650 x 575 x 1445	225	400 V		

* The specified values have the following meaning, e.g.: B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.

Reversible brine-to-water heat pumps in a universal design

Flow temperature: 58 °C

for heating and cooling - Basic series - 230 V



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SI 5MER	353070	4,9 kW	650 x 462 x 805	101	230 V	Heat pump for heating and cooling for indoor installation with WPM 2007 R integrated control and control panel that can be used also as wired remote control using a wall-mounting kit (special accessory). Variable connection options for brine and heating system connections on the rear wall of the casing. Sound-optimised through insulated metal casing and double vibration-isolated compressor. Option of flexible expansion for: - Bivalent operating mode - Combined distribution systems for heating and cooling - Unmixed and mixed heating and cooling circuits. Silent cooling via panel heating/cooling systems requires the use of the room climate control station (special accessory) to regulate the flow temperature on the basis of the air temperature and humidity of a reference room. Integrated soft starter, external sensor (standard NTC-2), dirt filter for brine circuit included in the scope of supply. Brine package and brine circuit manifold must be ordered separately. Temperature operating limits of the heat source: -5 °C to 25 °C	
SI 7MER	353080	6,4 kW	650 x 462 x 805	104	230 V		
SI 9MER	353090	9,3 kW	650 x 462 x 805	110	230 V		
SI 11MER	353100	11,6 kW	650 x 462 x 805	114	230 V		

* The specified values have the following meaning, e.g.: B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.

Built-under buffer tank for SI(K) 5-17

Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
PSP 100E	353360			Accessories: CTHK 632 CTHK 631 CTHK 633 CTHK 634 CTHK 635	In compact brine heat pump design, thus enabling space-saving installation on top of the built-under buffer; capacity 100 l; polyurethane insulation for heating and cooling; 1½" bush for immersion heater (up to CTHK 635); 1¼" hot water connections; colour: white; brown red design screen.	

Connection set for compact brine heat pump



Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
VSH KS	343110	Compact brine heat pump connection set		5	1"	Hose set for easy connection of the compact brine heat pump and built-under buffer tank to heating systems installed close to the wall (20 cm). Consisting of four elbow unions with three manual air bleeds, buffer connection with filling and drain cocks and two corrugated stainless steel pipes with high-and-low temperature insulation. 1" internal thread connection to the heating system.	

Brine packages for brine-to-water heat pumps

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
SZB 680	336680	Brine package for brine-to-water heat pumps		24	230 V	An installation-friendly, premounted safety module with connection for an expansion vessel (18 litres / 0.5 bar admission pressure), 1 1/2" ball valves, 1 1/2" main breather and brine pump for ground heat collectors according to the project planning documentation (without brine circuit manifold and pipework). The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.	
SZB 690	336690	Brine package for brine-to-water heat pumps		24	230 V	An installation-friendly, premounted safety module with connection for an expansion vessel (18 litres / 0.5 bar admission pressure), 1 1/2" ball valves, 1 1/2" main breather and brine pump for ground heat collectors according to the project planning documentation (without brine circuit manifold and pipework). The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.	
SZB 700	336700	Brine package for brine-to-water heat pumps		25	400 V	An installation-friendly, premounted safety module with connection for an expansion vessel (18 litres / 0.5 bar admission pressure), 1 1/2" ball valves, 1 1/2" main breather and brine pump for ground heat collectors according to the project planning documentation (without brine circuit manifold and pipework). The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.	
SZB 710	336710	Brine package for brine-to-water heat pumps		25	400 V	An installation-friendly, premounted safety module with connection for an expansion vessel (18 litres / 0.5 bar admission pressure), 1 1/2" ball valves, 1 1/2" main breather and brine pump for ground heat collectors according to the project planning documentation (without brine circuit manifold and pipework). The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.	

Low-temperature brine-to-water heat pumps
Flow temperature: 60 °C
in a universal design with two performance levels


Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SI 24TE	352910	12,5 / 24,0 kW	1000 x 750 x 1660	282	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). Variable connection options for brine and heating system connections on the rear wall of the casing; sound-optimised through insulated metal casing, solid-borne sound insulation for direct connection to the heating system and free-swinging compressor base plate; high COPs through economiser and compliance with the high requirements of EN 14511 for larger volume flows on the heat consumption side. Universal design with two compressors for flexible capacity, optional DHW preparation and the possibility of flexible expansion for: - Bivalent and bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated soft starter, protective motor switch and load contactor for brine circulating pump; external sensor (standard NTC-2), dirt filter for brine circuit included in the scope of supply. Brine package and brine circuit manifold must be ordered separately. Temperature operating limits of the heat source: -5 °C to 25 °C	
SI 37TE	352920	17,0 / 37,2 kW	1000 x 750 x 1660	371	400 V		

* The specified values have the following meaning, e.g.: B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.

Low-temperature brine-to-water heat pumps
Flow temperature: 60 °C
in a universal design with two performance levels, accessible from underneath with a lift truck


Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SI 50TE	352930	23,0 / 46,7 kW	1350 x 775 x 1890	486	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). Variable connection options for brine and heating system connections on the rear wall of the casing; sound-optimised through insulated metal casing, solid-borne sound insulation for direct connection to the heating system and free-swinging compressor base plate (accessible from underneath with a lift truck); high COPs through economiser and compliance with the high requirements of EN 14511 for larger volume flows on the heat consumption side. Universal design with two compressors for flexible capacity, optional DHW preparation and the possibility of flexible expansion for: - Bivalent and bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated soft starter, protective motor switch and load contactor for brine circulating pump; external sensor (standard NTC-2), dirt filter for brine circuit included in the scope of supply; brine package must be ordered separately. Temperature operating limits of the heat source: -5 °C to 25 °C	
SI 75TE	352940	37,6 / 75,2 kW	1350 x 775 x 1890	571	400 V		
SI 100TE	352950	48,4 / 96,3 kW	1350 x 775 x 1890	652	400 V		
SI 130TE	352960	63,3 / 125,8 kW	1350 x 775 x 1890	860	400 V		

* The specified values have the following meaning, e.g.: B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.

High-temperature brine-to-water heat pumps
Flow temperature: 70 °C
in a universal design with two performance levels, accessible from underneath with a lift truck


Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SIH 20TE	352970	11,8 / 21,8 kW	1000 x 775 x 1660	307	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). Variable connection options for brine and heating system connections on the rear wall of the casing; sound-optimised through insulated metal casing, solid-borne sound insulation for direct connection to the heating system and free-swinging compressor base plate; high COPs through economiser and compliance with the high requirements of EN 14511 for larger volume flows on the heat consumption side. Universal design with two compressors for flexible capacity, optional DHW preparation with temperatures of up to 60 °C and the possibility of flexible expansion for: - Bivalent and bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated soft starters (2), protective motor switch and load contactor for brine circulating pump; external sensor (standard NTC-2), dirt filter for brine circuit included in the scope of supply. Brine package must be ordered separately. Temperature operating limits of the heat source: -5 °C to 25 °C	
SIH 40TE	352980	18,6 / 36,6 kW	1350 x 775 x 1890	502	400 V		

* The specified values have the following meaning, e.g.: B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.

Brine packages for brine-to-water heat pumps

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
SZB 500	352270	Brine package for brine-to-water heat pumps				Brine accessory package for ground heat collectors. Consisting of DN20 membrane safety valve, DN65 large-capacity breather with micro air bubble deposition, Wilo TOP-S 50/10 brine circulating pump, pressure gauge, 25l/1.5 bar expansion vessel, DN65 shutoff damper, connecting flange with couplings and seals.	
SZB 750	352280	Brine package for brine-to-water heat pumps				Brine accessory package for ground heat collectors. Consisting of DN25 membrane safety valve, DN80 large-capacity breather with micro air bubble deposition, Wilo TOP-S 65/13 brine circulating pump, pressure gauge, 35l/1.5 bar expansion vessel, DN80 shutoff damper, connecting flange with couplings and seals.	
SZB 1000	352290	Brine package for brine-to-water heat pumps				Brine accessory package for ground heat collectors. Consisting of DN25 membrane safety valve, a DN100 large-capacity breather with micro air bubble deposition, Wilo TOP-S 65/13 brine circulating pump, pressure gauge, 50l/1.5 bar expansion vessel, DN100 shutoff damper, connecting flange with couplings and seals.	
SZB 1300	352300	Brine package for brine-to-water heat pumps				Brine accessory package for ground heat collectors. Consisting of DN25 membrane safety valve, a DN100 large-capacity breather with micro air bubble deposition, Wilo TOP-S 65/15 brine circulating pump, pressure gauge, 50l/1.5 bar expansion vessel, DN100 shutoff damper, connecting flange with couplings and seals.	
SZB 250	352490	Brine package for brine-to-water heat pumps				Brine accessory package for ground heat collectors consisting of membrane safety valve DN15, 1 1/2" large-capacity breather with micro air bubble deposition, Wilo TOP-S 40/10 brine circulating pump, pressure gauge, 18l/1.5 bar expansion vessel, cap valve, 1 1/2" ball valves, connecting flanges with couplings and seals.	
SZB 400	352500	Brine package for brine-to-water heat pumps				Brine accessory package for ground heat collectors consisting of membrane safety valve DN20, large-capacity breather with micro air bubble deposition DN50, Wilo TOP-S 40/10 brine circulating pump, pressure gauge, 18l/1.5 bar expansion vessel, cap valve, shutoff dampers DN50, connecting flanges with couplings and seals.	

Reversible brine-to-water heat pumps in a compact design

Flow temperature: 60 °C

for heating and cooling, with integrated brine components and simplified regulation - 230 V



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SI 8MR	348470	9,3 kW	640 x 624 x 1220	162	230 V	<p>Brine-to-water heat pumps with reversible refrigerating circuit for heating and cooling and integrated heat pump control. The remote control included in the scope of supply enables the manual setting of the desired return temperature or the external switching via a higher-level regulation system. Domestic hot water preparation is possible via a three-way distribution valve not included in the scope of supply.</p> <p>The following modules for connection of an unmixed heating circuit are integrated in the casing:</p> <ul style="list-style-type: none"> - Heat circulating pump - Overflow valve - Safety valve and pressure manometer - Expansion vessel (8 l). <p>The following modules of the brine circuit are integrated in the casing:</p>	

Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
						- Brine circulating pump - Expansion vessel (8 l) - Safety valve and pressure manometer. Main breather and dirt trap included in the scope of supply; integrated return flow sensor and soft starter. Heating circuit and brine circuit connections on the rear wall of the casing; brine circuit manifold must be ordered separately! Temperature operating limits of the heat source: -5 °C to 25 °C	
SI 10MR	348480	11,6 kW	640 x 624 x 1220	163	230 V		

* The specified values have the following meaning, e.g.: B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.

Reversible brine-to-water heat pumps in a compact design **Flow temperature: 60 °C**
for heating and cooling, with integrated brine components and simplified regulation



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
SI 12TR	348490	11,6 kW	640 x 624 x 1220	161	400 V	Brine-to-water heat pumps with reversible refrigerating circuit for heating and cooling and integrated heat pump control. The remote control included in the scope of supply enables the manual setting of the desired return temperature or the external switching via a higher-level regulation system. Domestic hot water preparation is possible via a three-way distribution valve not included in the scope of supply. The following modules for connection of an unmixed heating circuit are integrated in the casing: - Heat circulating pump - Overflow valve - Safety valve and pressure manometer - Expansion vessel (8 l). The following modules of the brine circuit are integrated in the casing: - Brine circulating pump - Expansion vessel (8 l) - Safety valve and pressure manometer. Main breather and dirt trap included in the scope of supply; integrated return flow sensor and soft starter. Heating circuit and brine circuit connections on the rear wall of the casing; brine circuit manifold must be ordered separately! Temperature operating limits of the heat source: -5 °C to 25 °C	
SI 14TR	348500	13,7 kW	640 x 624 x 1220	166	400 V		
SI 16TR	348510	16,4 kW	640 x 624 x 1220	172	400 V		
SI 20TR	348520	20,0 kW	640 x 624 x 1220	237	400 V		

* The specified values have the following meaning, e.g.: B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.

Brine circuit manifold

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
AP SVT	348900	Brine circuit manifold connection package		3	1 1/2"	Contains two 1 1/2" ball valves, two end caps and two filling and drain cocks; 1 1/2" internal thread connection to the heat pump.	
SVT 200	348910	2-way brine circuit manifold		4	1"	Brine manifold for two circuits with ball valves (1" internal thread), brine collector (1" external thread), up to max. nine circuits can be screwed together (flat sealing), MS58 material, AP SVT connection package must be ordered separately.	
SVT 300	348920	3-way brine circuit manifold		5	1"	Brine manifold for three circuits with ball valves (1" internal thread), brine collector (1" external thread), up to max. nine circuits can be screwed together (flat sealing), MS58 material, AP SVT connection package must be ordered separately.	
SVT 400	348930	4-way brine circuit manifold		6	1"	Brine manifold for four circuits with ball valves (1" internal thread), brine collector (1" external thread), up to max. nine circuits can be screwed together (flat sealing), MS58 material, AP SVT connection package must be ordered separately.	

Brine circuit antifreeze

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
AFN 825	328610	Brine circuit antifreeze (20 l)		22		Monoethylene glycol, percentage of antifreeze 25 % for frost protection down to -14 °C.	
AFN 824	324610	Brine circuit antifreeze (200 l)		220			

Plate heat exchanger for utilising water as a heat source

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
WT 733	349010	Plate heat exchanger using water as heat source in case of pollution	180 x 325 x 774	50	1 1/4"	Screwed stainless steel plate heat exchanger. Max. operating pressure 10 bar, max. temperature 80 °C. Intermediate heat exchangers for polluted heat sources or heat sources with poor water quality in combination with a brine-to-water heat pump. (Delivery time on request)	
WT 1634	349020	Plate heat exchanger using water as heat source in case of pollution	320 x 375 x 832	150		Screwed stainless steel plate heat exchanger. Max. operating pressure 10 bar, max. temperature 80 °C. Intermediate heat exchangers for polluted heat sources or heat sources with poor water quality in combination with a brine-to-water heat pump. (Delivery time on request)	

Brine circuit low-pressure switch

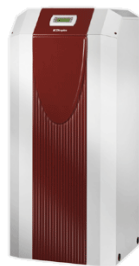


Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
SWPR 500	337500		2		Pressure switch with connecting plug and 1 1/2" internal/external threaded pipe for installation in the brine circuit. Stops system operation via a digital input on the heat pump manager if required by the authorities.	

Water-to-water heat pumps

Flow temperature: 58 °C

with stainless steel coil heat exchanger - 230 V



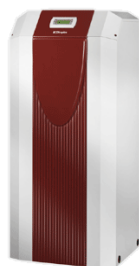
Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
WI 9ME	353340	8,3 kW	650 x 575 x 1445	156	230 V	Heat pump for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). Variable connection options for ground water and heating system connections on the rear wall of the casing. Sound-optimised through insulated metal casing and double vibration-isolated compressor; integrated corrosion-proof and freeze-proof stainless steel coil heat exchanger; economiser for high COPs. Universal design with optional DHW preparation and the option of flexible expansion for: - Bivalent or bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated soft starter and flow rate switch for well-water pump; external sensor (standard NTC-2), dirt filter for ground water included in the scope of supply. Temperature operating limits of the heat source: 7 °C to 25 °C	
WI 14ME	353350	13,6 kW	650 x 575 x 1445	168	230 V		

* The specified values have the following meaning, e.g.: W10/W35: heat source temperature 10 °C, heat outlet temperature 35 °C.

Water-to-water heat pumps

Flow temperature: 58 °C

with stainless steel coil heat exchanger



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
WI 9TE	353120	8,3 kW	650 x 575 x 1445	156	400 V	Heat pump for heating purposes for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as a wired remote control using a wall-mounting kit (special accessory). Variable connection options for ground water and heating system connections on the rear wall of the casing. Sound-optimised through insulated metal casing and double vibration-isolated compressor; integrated corrosion-proof and freeze-proof stainless steel coil heat exchanger; economiser for high COPs. Universal design with optional DHW preparation and the possibility of flexible expansion for: - Bivalent or bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated flow rate switch and load contactor for well water pump; external sensor (standard NTC-2), dirt filter for ground water included in the scope of supply. Temperature operating limits of the heat source: 7 °C to 25 °C	
WI 14TE	353130	13,6 kW	650 x 575 x 1445	168	400 V		
WI 18TE	353140	17,1 kW	650 x 575 x 1445	187	400 V		
WI 22TE	353150	21,5 kW	650 x 575 x 1445	189	400 V		
WI 27TE	353160	26,4 kW	650 x 575 x 1445	255	400 V		

* The specified values have the following meaning, e.g.: W10/W35: heat source temperature 10 °C, heat outlet temperature 35 °C.

Water-to-water heat pumps

Flow temperature: 55 °C

with two performance levels (water analysis essential)



Order ref.	Article number	Heating system	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
WI 40CS	340050	23,4 / 44,4 kW	1480 x 890 x 830	309	400 V	High-performance water-to-water heat pump for indoor installation with outside temperature controlled heat pump controller (manager), external control box and two compressor enabling flexible performance adaptation. External sensor, return sensor, two electric connecting leads (1.5 and 10 m) are included in the scope of delivery. Strainer, adjustable motor protective switch and load contactor for well pump, two electronic soft starters for starting currents < 30 A are integrated as standard. A ground water analysis is a mandatory requirement! Temperature operating limits of the heat source: 7 °C to 25 °C	
WI 90CS	340060	49,8 / 91,2 kW	1480 x 890 x 830	460	400 V		

* The specified values have the following meaning, e.g.: W10/W35: heat source temperature 10 °C, heat outlet temperature 35 °C.

Accessories for passive cooling

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
WPM PK	348190	Passive cooling controller			Accessories: WT 733 WT 1634 WT 1686	Wall-mounted cooling controller with temperature sensors to record flow and return set temperature. The passive cooling controller adds cooling operation mode to the existing WPM 2004 plus heat pump manager (software update may be necessary). Both controllers are operated within the network and control a combined system for heating and passive cooling with brine-to-water or water-to-water heat pumps. The cooling capacity is transferred via a heat exchanger not included in the scope of supply. This heat exchanger must be configured according to the cooling capacity to be transferred, the volume flow and the water quality.	
WT 733	349010	Heat exchanger for passive cooling	180 x 325 x 774	50	1 1/4"	Screwed stainless steel plate heat exchanger. Max. operating pressure 10 bar, max. temperature 80 °C. For passive cooling in the case of polluted heat sources or heat sources with poor water quality. Transferrable cooling capacity approx. 20 kW (3.5 m³/10 °C // 2.0 m³/20 °C). The required condensate tray must be provided by the customer. (Delivery time on request)	
WT 1634	349020	Heat exchanger for passive cooling	320 x 375 x 832	150		Screwed stainless steel plate heat exchanger. Max. operating pressure 10 bar, max. temperature 80 °C. For passive cooling in the case of polluted heat sources or heat sources with poor water quality. Transferrable cooling capacity approx. 50 kW (9.5 m³/10 °C // 5.0 m³/20 °C). The required condensate tray must be provided by the customer. (Delivery time on request)	
WT 1686	349030	Heat exchanger for passive cooling	320 x 590 x 832	190		Screwed stainless steel plate heat exchanger. Max. operating pressure 10 bar, max. temperature 80 °C. For passive cooling in the case of polluted heat sources or heat sources with poor water quality. Transferrable cooling capacity approx. 90 kW (20 m³/10 °C // 8.0 m³/20 °C). The required condensate tray must be provided by the customer. For increased output, connect two heat exchangers in parallel (delivery time on request).	
PKS 14	342460	Passive cooling station with cooling controller	650 x 320 x 320	30	Accessories: VS PKS	Module for passive cooling via borehole heat exchangers. Consisting of heat exchanger, brine circulating pump, temperature sensor, passive cooling controller, and enclosed 3-way distribution valve (DN25) with electrothermal actuators. Cooling operation mode is added to the existing heat pump manager by an electronic connection between the heating and cooling controller; (software update may be necessary). The components are permanently mounted in a white sheet metal casing, which can be mounted vertically or horizontally.	
VS PKS	348630	Passive cooling station for compact brine heat pump connection set				Passive cooling station extension hose kit, to enable use of heating connection set (VSH KS) in addition to the heating and brine circuit connection of the passive cooling station (PKS 14 / PKS 25), situated on the compact brine heat pump. Consisting of 2 elbow unions with manual air bleeds, crosspiece and 4 corrugated stainless steel pipes with high-and-low-temperature insulation.	
PKS 25	342470	Passive cooling station with cooling controller	650 x 320 x 320	32		Module for passive cooling via borehole heat exchangers. Consisting of heat exchanger, brine circulating pump, temperature sensor, passive cooling controller, and enclosed 3-way distribution valve (DN40) with electrothermal actuators. Cooling operation mode is added to the existing heat pump manager by an electronic connection between the heating and cooling controller; (software update may be necessary). The components are permanently	

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
						mounted in a white sheet metal casing, which can be mounted vertically or horizontally.	

Hydraulic passive cooling accessories

Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
DWU 25	347760		2	DN25 Accessories: ETS DWU	Three-way distribution valve for switching the heat return flow in passive cooling operation. Essential accessory: ETS DWU actuator. 14,000 Pa pressure drop at 2,500 l/h.	
ETS DWU	347780		1		Electrothermal actuator for two-way valve and three-way distribution valve.	
DWU 40	347770		2	DN40 Accessories: ETS DWU	Three-way distribution valve for switching the heat return flow in passive cooling operation. Essential accessory: ETS DWU actuator. 14,000 Pa pressure drop at 3,500 l/h.	
ETS DWU	347780		1		Electrothermal actuator for two-way valve and three-way distribution valve.	
ZWU 25	348940		2	1 1/2" Accessories: ETS DWU	Two-way valve for blocking heat flow in passive cooling operation. Parallel cooling operation and DHW preparation is possible due to hydraulic separation of the cooling circuit. Essential accessory: ETS DWU actuator. 14,000 Pa pressure drop at 1,300l/h.	
ETS DWU	347780		1		Electrothermal actuator for two-way valve and three-way distribution valve.	
ZWU 32	348950		2	1 1/4" Accessories: ETS DWU	Two-way valve for blocking heat flow in passive cooling operation. Parallel cooling operation and DHW preparation is possible due to hydraulic separation of the cooling circuit. Essential accessory: ETS DWU actuator. 14,000 Pa pressure drop at 1,500 l/h.	
ETS DWU	347780		1		Electrothermal actuator for two-way valve and three-way distribution valve.	

Buffer tank

Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
PSW 100	351090	ø 512 H = 850		1" Accessories: CTHK 631 CTHK 632 CTHK 633 CTHK 634	Floor-mounted buffer tank; capacity 100 l; polyurethane insulation for heating and cooling; includes two 1 1/2" bushes for immersion heater (up to CTHK 634); 1 1/4" hot water connections.	
PSW 200	339830	ø 600 H = 1300	70	1 1/4" Accessories: CTHK 631 CTHK 632 CTHK 633 CTHK 634	Floor-mounted buffer tank; capacity 200 l; polyurethane insulation for heating and cooling; includes three 1 1/2" bushes for immersion heater (up to CTHK 634); 1 1/4" hot water connections; three supporting feet (adjustable).	
PSW 500	339210	ø 700 H = 1950	110	2 1/2" Accessories: RWT 500 CTHK 631 CTHK 632 CTHK 635 CTHK 634 CTHK 633 CTHK 636	Universal buffer tank; capacity 500 l; polyurethane insulation; incl. three 1 1/2" bushes for immersion heater (up to CTHK 635); 2 1/2" hot water connections; three supporting feet (adjustable); DN 180 flange for installation of a RWT ribbed tube heat exchanger.	

Immersion heater for supplementary heating



Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Model	Price (Euros)
CTHK 631	336180	2 kW immersion heater for back-up heating		1	For electrical back-up heating in mono energy operation; 250-mm immersion depth; consisting of individual heaters with temperature controller, adjustable from 30 °C to 78 °C and safety temperature limiter, degree of protection IP54, 1½" external thread with plastic cover, 70-mm length, unheated; in accordance with DIN 40050 / VDE 0470 standards.	
CTHK 632	335910	2.9 kW immersion heater for back-up heating		1	For electrical back-up heating in mono energy operation; 250-mm immersion depth; consisting of individual heaters with temperature controller, adjustable from 30°C to 78°C and safety temperature limiter, degree of protection IP54, 1½" external thread with plastic cover, 70-mm length, unheated; in accordance with DIN 40050 / VDE 0470 standards.	
CTHK 633	322140	4.5 kW immersion heater for back-up heating		2	For electrical back-up heating in mono energy operation; 350-mm immersion depth; consisting of individual heaters with temperature controller, adjustable from 30°C to 78°C and safety temperature limiter, degree of protection IP54, 1½" external thread with plastic cover, 70-mm length, unheated; in accordance with DIN 40050 / VDE 0470 standards.	
CTHK 634	322150	6 kW immersion heater for back-up heating		2	For electrical back-up heating in mono energy operation; 450-mm immersion depth; consisting of individual heaters with temperature controller, adjustable from 30°C to 78°C and safety temperature limiter, degree of protection IP54, 1½" external thread with plastic cover, 70-mm length, unheated; in accordance with DIN 40050 / VDE 0470 standards.	
CTHK 635	322160	7.5 kW immersion heater for back-up heating		2	For electrical back-up heating in mono energy operation; 550-mm immersion depth; consisting of individual heaters with temperature controller, adjustable from 30°C to 78°C and safety temperature limiter, degree of protection IP54, 1½" external thread with plastic cover, 120-mm length, unheated; in accordance with DIN 40050 / VDE 0470 standards.	
CTHK 636	322170	9 kW immersion heater for back-up heating		2	For electrical back-up heating in mono energy operation; 650-mm immersion depth; consisting of individual heaters with temperature controller, adjustable from 30°C to 78°C and safety temperature limiter, degree of protection IP54, 1½" external thread with plastic cover, 120-mm length, unheated; in accordance with DIN 40050 / VDE 0470 standards.	

Finned tube heat exchange for PSW 500

Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Model	Price (Euros)
RWT 500	339840			For connection of an external back-up heating system with required system separation (e.g. solar) in connection with the PSW 500 universal buffer. Consisting of a flange cover with antitwist protection and 2.3 m ² heat exchanger (for a solar collector area of up to approx. 10 m ²), 3/4" external thread connection.	

Accessories for heat pumps



Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
HCT 300	351210	3 kW radiator			230 V	Insulated, built-in 3 kW radiator for heat flow (1" flat sealing), max. volume flow 1.5 m ³ /h, controlling range 20 - 75 °C, degree of protection IP44, safety temperature limiter, 16 A fuse.	
HDLR 450	337450	Immersion heater pipe assembly		4	Accessories: CTHK 632 CTHK 631 CTHK 633 CTHK 634	Insulated pipe assembly for screwing in a 1½" immersion heater (CTHK 631, CTHK 632, CTHK 633 or CTHK 634); integration into the heat flow; 1½" hot water connection; installation material for wall mounting included in the scope of supply.	



Hot water cylinder with temperature sensor

Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
WWSP 332	346610	ø 700 H = 1300	130	1 1/4" AG Accessories: SVK 852 FLH 60 FLHU 70 FLH 25M VSW KS SST 25	Capacity 300 l, usable capacity 277 l, heat exchanger area 3.2 m smooth pipe (internal), three supporting feet, steel cylinder (special inside enamelling) with protection anode, max. operating pressure 10 bar, 1" external thread drinking water connection, 3/4" circulation, integrated temperature sensor for connection to the heat pump manager, colour white.	
WWSP 880	337880	ø 700 H = 1600	145	1 1/4" AG Accessories: SVK 852 FLH 25M FLH 60 FLHU 70 SST 25	Capacity 400 l, usable capacity 350 l, heat exchanger area 4.2 m smooth pipe (internal), three supporting feet, steel cylinder (special inside enamelling) with protection anode, 1" external thread drinking water connection, 3/4" internal thread circulation, integrated temperature sensor for connection to the heat pump manager.	
WWSP 400 K	342080	650 x 680 x 1660	175	1 1/4" AG Accessories: SVK 852 FLH 25M FLH 60 FLHU 70 VSW KS SST 25	Hot water cylinder in compact brine heat pump design, capacity 400 l, usable capacity 350 l, heat exchanger area 4.2 m smooth pipe (internal), three supporting feet, steel cylinder (special inside enamelling) with protection anode, 1" external thread drinking water connection, 3/4" internal thread circulation, integrated temperature sensor for connection to the heat pump manager.	
WWSP 900	339220	ø 700 H = 1950	180	1 1/4" AG Accessories: SVK 852 FLH 25M FLH 60 FLHU 70 SST 25	Capacity 500 l, usable capacity 430 l, heat exchanger area 5.7 m, three supporting feet, steel cylinder (special inside enamelling) with protection anode, 1" external thread drinking-water connection, 3/4" internal thread circulation, integrated temperature sensor for connection to the heat pump manager.	

Flange heater for hot water cylinder



Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Model	Price (Euros)
FLH 60	338060		3	For reheating and thermal disinfection; temperature controller, adjustable from 15°C to 85°C; safety temperature limiter, suitable for all hot water cylinders (WWSP) with an output of 6 kW.	
FLHU 70	338070		3	For reheating and thermal disinfection; temperature controller, adjustable from 15°C to 85°C; safety temperature limiter, suitable for all hot water cylinders (WWSP) with switchable outputs of 2.0 kW, 2.7 kW and 4.0 kW.	
FLH 25M	349430		3	For reheating and thermal disinfection; temperature controller, adjustable from 15 °C to 85 °C; safety temperature limiter, suitable for all hot water cylinders (WWSP) with an output of 2.5 kW.	


Combo tank for heating and domestic hot water preparation with central flow

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
PWD 750	349100	Combi cylinder for heating and domestic hot water preparation with central flow	ø 1000 H = 1850	260	1 1/4" Accessories: RWT 750 VS PWD CTHK 635 CTHK 636	Floor-mounted cylinder for heating and domestic hot water preparation with central flow with three internally tin-plated heat exchangers (external pipework necessary); consisting of a 200 l buffer tank for heating and a 550 l buffer tank for hot water; heating water buffer tank used as a preheating stage for hot water preparation. A circular plate prevents the different water layers with varying temperatures from becoming mixed together; integrated heat riser pipes distribute the energy from an additional heat generator to the back-up heating system and the domestic hot water preparation on the basis of the temperature (flange connection for integration of the RWT 750 solar heat exchanger); two 1 1/2" bushes for immersion heaters in heater or hot water buffer tank (CTHK 635 and 636); cylinder charging for DHW preparation possible up to max. 2.5 m ³ /h and 30 kW heat output; separate delivery of the 120 mm PE foam insulation; tilting dimension 1,920 mm.	
RWT 750	351640	Solar heat exchanger for combi cylinder	ø 220			For connection of an external back-up heating and domestic water system with required system separation (e.g. solar) in connection with the PWD 750 combi cylinder. Consisting of a flange cover with antitwist protection and 2.3 m ² heat exchanger (for a solar collector area of up to approx. 15m ²), 3/4" external thread connection.	
VS PWD	354030	Combo tank connection set				Connection set for easy installation of pipework for the 3 integrated hot water heat exchangers of the PWD 750. Consisting of two DN16 (1000 / 500 mm) ready-to-use flexible stainless steel corrugated pipes, 13 mm insulation thickness, 3/4" cap nut and seal on both sides; maximum operating pressure 7 bar.	
CTHK 635	322160	7.5 kW immersion heater for back-up heating		2	400 V	For electrical back-up heating in mono energy operation; 550-mm immersion depth; consisting of individual heaters with temperature controller, adjustable from 30°C to 78°C and safety temperature limiter, degree of protection IP54, 1 1/2" external thread with plastic cover, 120-mm length, unheated; in accordance with DIN 40050 / VDE 0470 standards.	
CTHK 636	322170	9 kW immersion heater for back-up heating		2	400 V	For electrical back-up heating in mono energy operation; 650-mm immersion depth; consisting of individual heaters with temperature controller, adjustable from 30°C to 78°C and safety temperature limiter, degree of protection IP54, 1 1/2" external thread with plastic cover, 120-mm length, unheated; in accordance with DIN 40050 / VDE 0470 standards.	

Accessories for hot water cylinders

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
KRRV 003	322070	Thermostat for heating and domestic hot water				Capillary tube controller for drinking water cylinder (hot water thermostat), setting range: 0 - 70 °C switching capacity at 230 V, 50 Hz, 10 A switching temperature difference: 1.0 - 2.0 K, sheath tube length: 200 mm.	



Buffer tank connection and assurance of heating water throughput

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
KPV 25	346590	Compact manifold with overflow valve	250 x 250 x 500	12	Accessories: EB KPV UP 60 UP 80	Combinable module with insulation jackets for installation-friendly connection of the heat pump, buffer tank, hot water cylinder and hot water distribution system. Consisting of one overflow valve, four ball valves, two integrated thermometers, one check valve, immersion sleeve for return flow sensor, safety module with pressure gauge and connection possibilities for expansion vessel. Installation option for circulating pump, inside micrometer 180 mm, DN 25 (not included in the scope of supply). Recommended for up to LI 11, LA 12, SI 17 and WI 18. Can be used for volume flows up to 2.5 m ³ /h. An EB KPV extension module should generally be used for systems with different volume flows in the generator and consumer circuits.	
EB KPV	348650	Differential pressureless manifold extension module		2		Extension module for connection to the KPV 25 compact manifold, enabling decoupling from the consumer circuit without differential pressure. Can be used for a heating water rate of up to 3m ³ /h max. Generator and consumer circuits require a separate circulating pump. The extension module consists of a corrugated stainless steel pipe with union and connecting pieces.	
UP 60	340300	Circulating pump for main heat pump circuit		4	DN 25	Heating pump to ensure that the minimum water flow rate flows through the heat pump. Pump dimensioning must be checked according to the system's pressure drop and volume flow; inside micrometer 180 mm, nominal width DN 25, delivery height 5.5 m for installation in the KPV 25 compact manifold.	
UP 80	340310	Circulating pump for main heat pump circuit		5	DN 25	Heating pump to ensure that the minimum water flow rate flows through the heat pump. Pump dimensioning must be checked according to the system's pressure drop and volume flow; inside micrometer 180 mm, nominal width DN 25, delivery height 7.5m for installation in the KPV 25 compact manifold.	
DDV 32	348450	Dual differential pressureless manifold	340 x 250 x 550	13	Accessories: UP 70-32	Combinable module with insulation jackets for installation-friendly connection of the heat pump, buffer tank, hot water cylinder (using the tee joint included) and heating system. Consisting of 2 stop-cocks, 2 bypass pipes with return flow inhibitor (2000 Pa start-to-leak pressure), safety module with pressure gauge and connection possibilities for expansion vessel. Installation option for circulating pump, inside micrometer 180 mm, DN 32 (not included in the scope of supply). Recommended for connection of heat pumps with a heating water flow of up to 2.5 m ³ /h and external energy infeed (e.g. wood / solar) in the buffer tank connected in series (see project planning documentation). The return flow sensor included in the scope of supply must be installed in the immersion sleeve provided, and connected. The consumer circuit requires a separate circulating pump due to the hydraulic isolation.	
UP 70-32	354020	Circulating pump for DDV 32				Heat circulating pump to ensure that the minimum water flow rate flows through the heat pump. Pump dimensioning must be checked according to the system's pressure drop and volume flow; inside micrometer 180 mm, nominal width DN 32, delivery height 5 m at 2.5 m ³ /h for installation in the DDV 32 dual differential pressureless manifold.	



Heating distribution system

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
VTB 25	339870	Manifold bar for connecting two heating circuits	500 x 140 x 150	6			
WWM 25	346600	Unmixed heating circuit module	250 x 250 x 420	10	Accessories: bauseits		
MMH 25	348640	Mixed heating circuit with temperature sensor	250 x 250 x 420	10	Accessories: bauseits		

For the simultaneous connection of several hot water distribution system modules, with two 1 1/2" (external/internal thread) connecting pairs each at the top and bottom, universally combinable with KPV 25, MMH 25 and HHM 25, complete with union and connecting pieces (flat sealing) and insulation jacket.

Combinable module with insulation jackets for connecting an unmixed heating circuit or DHW or swimming pool water preparation. Can be used for a heating water flow rate of up to 2 m³/h. Consisting of two ball valves with check valve, two integrated thermometers, pump ball valve, insulation jackets, installation option for circulating pump, inside micrometer 180 mm, DN 25 (not included in the scope of supply).

Combinable module for connecting a mixed heating circuit. Can be used for a heating water flow rate of up to 2 m³/h. Consisting of two ball valves with check valve, two thermometers, 3-way mixer with actuator and 140 sec. runtime, connection voltage ~230 V, degree of protection IP40, strap-on sensor and insulation jackets, installation option for circulating pump, inside micrometer 180 mm, DN 25 (not included in the scope of supply).

Hot water distribution system



Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
WWM 25	346600	Hot water module	250 x 250 x 420				
VTB 25	339870	Manifold bar for KPV 25 and HHM 25 connection	500 x 140 x 150	6			

Combinable module with insulation jackets for connecting an unmixed heating circuit or DHW or swimming pool water preparation. Can be used for a heating water flow rate of up to 2 m³/h. Consisting of two ball valves with check valve, two integrated thermometers, pump ball valve, insulation jackets, installation option for circulating pump, inside micrometer 180 mm, DN 25 (not included in the scope of supply).

For simultaneous connection of several domestic hot water distribution system modules, with two 1 1/2" (external/internal thread) connecting pairs each to the top and bottom, universally combinable with KPV 25, MMH 25 and HHM 25, complete with union and connecting pieces (flat sealing) and insulation jacket.

Circulating pumps for hot water

Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
UP 60	340300		4	DN 25	Heating pump to ensure that the minimum water flow rate flows through the heat pump. Pump dimensioning must be checked according to the system's pressure drop and volume flow; inside micrometer 180 mm, nominal width DN 25, delivery height 5.5 m for installation in the KPV 25 compact manifold.	
UP 80	340310		5	DN 25	Heating pump to ensure that the minimum water flow rate flows through the heat pump. Pump dimensioning must be checked according to the system's pressure drop and volume flow; inside micrometer 180 mm, nominal width DN 25, delivery height 7.5m for installation in the KPV 25 compact manifold.	

Distribution system expansion options

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
MMB 25	348880	Mixer module for bivalent systems	180 x 150 x 365	5		Combinable mixer module for connecting a second heat generator (e.g. oil boiler) or an additional heat accumulator. Can be used for a heating water rate of up to 2 m ³ /h. Consisting of a 4-way mixer with actuator and 140 sec. runtime, connection voltage ~230 V, degree of protection IP40.	
SST 25	348430	Solar station for hot water	320 x 320 x 1050	19	1"	Heat exchanger solar station consisting of solar separation system and pump assembly with insulation jackets for integrating solar installations up to 10 m ² into the DHW heating system. The solar station enables efficient hot water heating via the heat pump as well as via the solar installation. Modules with primary and secondary cycle consisting of: 2 circulating pumps (WILO- STAR-ST 25/6 and STAR-RS 24/4); 4 ball valves 1" with thermometer, return flow inhibitor, safety assembly with safety valve and 0-10 bar pressure gauge, connection options for expansion vessel (solar control not included in scope of supply).	

Heat pump manager accessories

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
WPM 2006/2007		Heat pump manager for heating			Accessories: FG 3115 LWPM 410 MWPM 480 RBG WPM	Controller for the heat pump heating system with large back-lit LC display, time-controlled lowering and raising of the heating characteristic curve, time function for DHW preparation according to need using the heat pump, with optional targeted reheating by flange heater. Bivalent-renewable operating mode for combining the heat pump with additional renewable energy sources, such as wood or solar heat, dynamic input menus with different levels for technicians and users. Two independent mixer outputs for controlling an additional heat generator and a maximum of two mixed heating circuits. Automatic program for the targeted heat drying of screed floors. PC, modem and bus connection via plug-in cards (special accessories); external sensor included in the scope of supply.	
FG 3115	336620	External temperature sensor with casing	42 x 27 x 64			Surface-mounted sensor for measuring the external temperature; connection to the heat pump manager. Standard NTC sensor according to DIN 44574.	
LWPM 410	339410	Data bus plug-in card for hot water manager	60 x 18 x 30			Extension module for heat pump manager for data transfer via Modbus interface protocol to higher-level building management systems.	
MWPM 480	337480	Modem plug-in card for heat pump manager	60 x 18 x 30			Heat pump manager extension module for modem connection.	
RBG WPM	339700	Swimming pool / remote fault indicator relay module		1		Relay module for connection of the swimming pool water heating system and a remote fault indicator (not necessary for heating and cooling systems).	

Special accessories for the heat pump manager WPM 2006

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
WPM 2006		Heat pump manager with integrated display			Accessories: Norm NTC-2 FA 550	Wall-mounted heat pump controller with integrated display. Sensor characteristic curve for all connected sensors: standard NTC-2	
Norm NTC-2	353400	Temperature sensor for WPM 2006 with integrated display				Sensor for connection of wall-mounted WPM 2006 heat pump manager with integrated display. Can be used as a strap-on sensor for mixed heating circuits, as a flow or storage sensor or cylinder sensor for the bivalent renewable operating mode, as a hot water and room temperature sensor (for installation in on-site wall casing).	
FA 550	338550	Strap-on sensor	∅ 10 x 6			Temperature sensor for the mixed heating circuit or hot water cylinder (diameter 9.7 mm, length 42 mm) with 6-m connecting lead. Connection to the heat pump manager (standard NTC sensor according to DIN 44574).	
FWPM 470	337470	Heat pump manager remote control	170 x 43 x 114		Accessories: AWPM 900	Heat pump manager remote control (WPM 2004 plus / WPM 2004 R), with LC display and backlighting. Acoustic warning signal. AWPM 900 connecting line must be ordered separately.	
AWPM 900	340210	Control line remote control		1		Heat pump manager / remote control connecting line, 6-core cable.	

Special accessories for the heat pump manager WPM 2007

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
WPM 2007		Heat pump manager with removable control panel			Accessories: NTC-10 MS PGD	Regulates heat pumps installed indoors; with design screen and removable control panel. Sensor characteristic for external sensor: Sensor characteristic curve standard NTC-2 for all other connected sensors: NTC-10	
NTC-10	353390	Temperature sensor for WPM 2007 with removable control panel				NTC sensor for connection to the WPM 2007 heat pump manager with removable control panel. Can be used as a strap-on sensor for mixed heating circuits, as a flow or storage sensor or cylinder sensor for the bivalent renewable operating mode, or as a hot water and room temperature sensor (for installation in on-site wall casing).	
MS PGD	353810	Wall mounting set for control panel				Wall mounting set for using the WPM 2007's removable control panel as a remote control or for installation at an optimum operator level. Consists of plastic frames for wall mounting, incl. fixing material, 6 m connecting cable and brown red plastic covers for the design screen.	



Special accessories for heating and cooling

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
RKS WPM	342220	Room climate control system for temperature and humidity measurement	127 x 30 x 80			This accessory is essential for silent cooling using panel heating/cooling systems (silent cooling). Connection to a cooling controller to control the flow temperature based on the measured room temperature and humidity via a reference room.	
RTK 501 U	350960	Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting	81 x 44 x 81		Accessories: TPF 341	Electronic room temperature controller heating/cooling; switchable between "Heating" and "Cooling" operation modes using an external change-over contact of the cooling controller; flat switch mounting frame for flush mounting standard; can be installed in virtually all flat switch programs using an adapter element provided by the flat switch program manufacturer; switch ON / frost protection; controlling range 5 - 30 °C; thermostat dial; temperature range limitation in the casing cover; operating voltage 24 V ~/50 Hz; switching capacity AC 24 V~ / 1 A, can control up to 5 valve actuators (24 V+ closed when de-energised), IP30 when flush-mounted (height 21 mm, colour alpine white (similar to RAL 9010); height 16 mm mounted in flush box). TPF 341 dew point sensors (not included in the scope of supply) can be connected to the controller to interrupt cooling operation if there is risk of condensate formation.	
TPF 341	343070	Extended dew point monitoring	27 x 1 x 98			Dew point sensor for connection to the TPW WPM dew point monitor or RTK 501 room temperature controller, connecting lead (10 m, 2 x 0.15 mm ²).	
TPW WPM	350970	Extended dew point monitoring	50 x 60 x 88		Accessories: TPF 341	Switching relay for electronic evaluation of up to 5 connectable dew point sensors to interrupt the complete system in case of condensation at vulnerable points in the cooling distribution system; TPF 341 dew point sensors must be ordered separately; connection to the cooling controller; operating voltage 24 V~ / 50 Hz.	
TPF 341	343070	Extended dew point monitoring	27 x 1 x 98			Dew point sensor for connection to the TPW WPM dew point monitor or RTK 501 room temperature controller, connecting lead (10 m, 2 x 0.15 mm ²).	

Remote diagnostics system FDS

Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
FDS 2006		Remote diagnostics software for the operator				Software for accessing the configuration menu of the WPM 2006 and 2007 heat pump manger (software H_H_5x) with the option of display on a PC. System requirements are the RDS or LDS hardware package in combination with a PC connected to the internet. The program, optimised for Windows XP, permanently exchanges data with the heat pump manager and enables faults to be read, the adjustment of lowering times and operating modes to be changed. The functionality of the software depends on many factors and cannot be guaranteed by the technical support on-site, especially in case of a modem connection.	
LDS USB	353780	Remote diagnostics hardware package (USB)		1	Accessories: FDS 2004	Hardware package for access to the heat pump manager via a direct PC connection. The package contains a plug-in card and an interface converter. Allows external access to the heat pump manager via the remote diagnostics software.	
RDS	353790	Remote diagnostics hardware package		3	Accessories: FDS 2004	Hardware package for access to the heat pump manager via a PC modem connection. The package contains a modem plug-in card and a pre-configured modem. External access to the heat pump manager is possible via analog telephone connection and the remote diagnostics software.	
LDS	353770	Remote diagnostics hardware package (serial)		4	Accessories: FDS 2004	Hardware package for access to the heat pump manager via a direct PC connection. The package contains a plug-in card and an interface converter. Allows external access to the heat pump manager via the remote diagnostics software.	

Telephone remote control device

Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
TVS 400	336330	87 x 58 x 53	2	230 V	Telephone remote control with two separately controlled output contacts (floating), enables the blocking of the heat pump (input ID4) to be carried out using a touch-tone telephone (guaranteed frost protection of the heat pump); remote enquiry, access protection (code), manual control of the switching contacts, compatible with answering machines; Cetecom certified, connection to existing telephone line. Voltage supply L,N,PE 230 V / 50 Hz, 2 x relay contacts 5 (1)A/AC, 250 V for manifold set-up on top hat rail (5TE).	



Hot water heat pumps

Order ref.	Article number	Dimensions in mm (W x H x D)	Weig. (kg)	Voltage	Model	Price (Euros)
BWP30H	351960	660 x 660 x 1695	110	230 V	Insulated foil cladding, radial fan, exhaust air stub and outgoing air stub (2 x nipple size DN 160, connection with DN 160 pipe, IFR 165 air hose or MFE 16 bushing) for optional connection of a duct system with a maximum length of 10 m), infinitely adjustable hot water temperature for total volume of 300 l, switches for heat pump and heating element, steel cylinder enamelled acc. to DIN 4753, protection anode against corrosion, medium heat pump output 1870 W, hot water temperature selectable during heat pump operation (23° to 60 °C), heating up to 65 °C with standard heating element (1.5 kW) possible, can be either manually controlled or, e.g., via an external timer, safety refrigerant R 134A, air temperature operating limits 8 to 35 °C, colour white (similar to RAL 9003).	
BWP 30HLW	351970	660 x 660 x 1695	125	230 V	Insulated foil cladding, radial fan, exhaust air stub and outgoing air stub (2 x nipple size DN 160, connection with DN 160 hose, IFR 165 air hose or MFE 16 bushing) for optional connection of a duct system with a maximum length of 10 m), infinitely adjustable hot water temperature for total volume of 290 l, switches for heat pump, heating element and second heat generator, steel cylinder enamelled acc. to DIN 4753, protection anode against corrosion, medium heat pump output 1870 W, hot water temperature selectable during heat pump operation (23 to 60 °C), heating up to 65 °C with standard heating element (1.5 kW) possible, can be either manually controlled or, e.g., via an external timer, integrated additional heat exchanger approx. 1.45 m2 for connecting an external heat generator (e.g. boiler or solar installation), cladding tube for external cylinder sensor, relay output for controlling an external loading pump, safety refrigerant R 134A, air temperature operating limits 8 to 35°C, colour white (similar to RAL 9003).	
AWP 30HLW	351980	650 x 660 x 1700	175	230 V	High-grade painted sheet steel casing, radial fan, exhaust air stub and outgoing air stub (2 x nipple size DN 160, connection with DN 160 hose, IFR 165 air hose or MFE 16 bushing) for optional connection of a duct system with a maximum length of 10 m), infinitely adjustable hot water temperature for total volume of 290 l, control switches for heat pump, heating element, second heat generator, steel cylinder enamelled acc. to DIN 4753, protection anode against corrosion, medium heat pump output 1870 W, hot water temperature selectable during heat pump operation (23 to 60 °C), heating up to 65 °C with standard heating element (1.5 kW) possible, can be either manually controlled or, e.g., via an external timer, integrated additional heat exchanger approx. 1.45 m2 for connecting an external heat generator (e.g. boiler or solar installation), cladding tube for external cylinder sensor, relay output for controlling an external loading pump, safety refrigerant R 134A, air temperature operating limits 8 to 35 °C, colour white (similar to RAL 9003).	

Special accessories for hot water heat pumps



Order ref.	Article number	Description	Dimensions in mm (W x H x D)	Weig. (kg)	Info	Model	Price (Euros)
IFR 165	336960	Isoflex hose DN 160	ø 160			Flexible, perforated aluminium hose with meshed wire inlay, protective foil, 25-mm insulation, external vapour block foil, inner diameter 160 mm, length 10 m, Max. volume flow: 220 m³/h.	
MFE 16	341320	Sleeve DN 160	ø 160			Installation between moulded parts DN 160, smooth sheet steel, acc. to DIN 24145.	
BGN 16-90	341340	Elbow (160mm, 90°)	ø 160			Elbow, pressed, smooth sheet steel, acc. to DIN 24145, lip seal.	
TES 16-1	341370	160-mm telephony sound damper flex	ø 160	1		Telephony sound damper with aluminium end caps, two-layer aluminium on inside and outside, flexible (smallest bend radius = 630 mm), 25-mm sound-absorbing packing, pipe mounting, outer diameter (mm): 210	



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