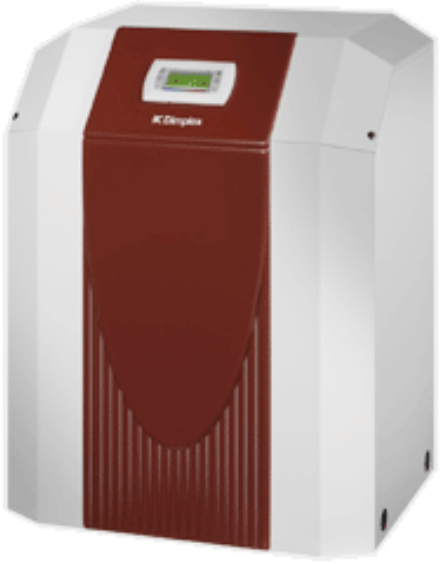
Data sheet SI 5ME

Brine-to-water heat pump, Basic series

Order reference: SI 5ME

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 5ME

Dimplex Brine-to-water heat pump, Basic series (Low temperature)		
Order reference		**SI 5ME**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	4,80 / 2,70
Heat output / COP at B0/W35*	kW/-	4,90 / 3,90
Electrical nominal power consumption at B0/W35	kW	1,25
Refrigerant R407C	kg	0,90
flow rate (heat source) at ext. pressure differential	m³/h / Pa	1.2 / 16000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.45 / 1900
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	95
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	24 SA
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 5ME

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump, Basic series	SI 5ME		1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 680	336680	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910	1		
3-way brine circuit manifold	SVT 300	348920			
4-way brine circuit manifold	SVT 400	348930			
Brine circuit antifreeze (20 l)	AFN 825	328610	2		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation	PWS 332	348620	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Passive cooling station with cooling controller	PKS 25	342470			
Three-way distribution valve for passive cooling*	DWU 40	347770			
Hydraulic passive cooling accessories*	ZWU 32	348950			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity	RKS WPM	342220			

System accessories SI 5ME

Description	Order ref.	Article number	Sample item	Item	Price
measurement					
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

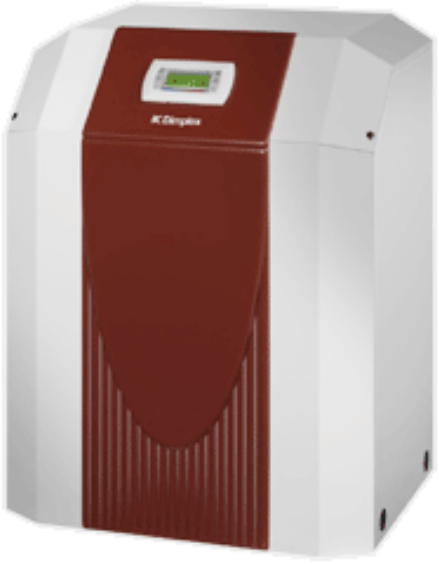
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 5MER

Reversible brine-to-water heat pump

Order reference: SI 5MER

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 5MER

Dimplex Reversible brine-to-water heat pump (Low temperature)		
Order reference		**SI 5MER**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Temperature operating limits for cooling		5 °C / 25 °C
Heat output / COP at B0/W50*	kW/-	4,80 / 2,70
Heat output / COP at B0/W35*	kW/-	4,90 / 3,90
Cooling capacity / COP at B+10/W8*	kW/-	5,40 / 5,60
Cooling capacity / COP at B+10/W18*	kW/-	6,80 / 6,70
Electrical nominal power consumption at B0/W35	kW	1,00
Refrigerant R407C	kg	0,90
flow rate (heat source) at ext. pressure differential	m³/h / Pa	1.2 / 16000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.45 / 1900
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	101
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	24 SA
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 5MER

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible brine-to-water heat pump	SI 5MER	353070	1		
Elasticated sound insulation underlay strips	SYL 250	352260			
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 680	336680			
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910	1		
3-way brine circuit manifold	SVT 300	348920			
4-way brine circuit manifold	SVT 400	348930			
Brine circuit antifreeze (20 l)	AFN 825	328610	2		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Floor-mounted buffer tank (200 l)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870	1		
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor	MMH 25	348640	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor	WWSP 332	346610	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870			
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220	1		
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch	RTK 501 U	350960			

System accessories SI 5MER

Description	Order ref.	Article number	Sample item	Item	Price
mounting frame for flush mounting*					
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

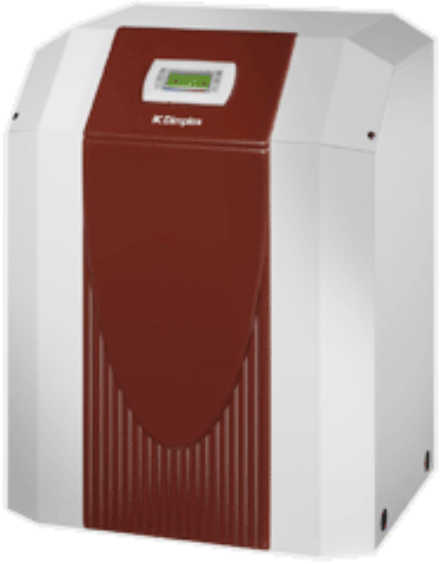
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 5TE

Brine-to-water heat pump, Basic series

Order reference: SI 5TE

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.

Technical data SI 5TE

Dimplex Brine-to-water heat pump, Basic series (Low temperature)		
Order reference		**SI 5TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	4,80 / 2,75
Heat output / COP at B0/W35*	kW/-	5,30 / 4,30
Electrical nominal power consumption at B0/W35	kW	1,23
Refrigerant R407C	kg	1,00
flow rate (heat source) at ext. pressure differential	m³/h / Pa	1.2 / 16000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.45 / 1900
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	109
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	22
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 5TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump, Basic series	SI 5TE	352850	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 680	336680	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910	1		
3-way brine circuit manifold	SVT 300	348920			
4-way brine circuit manifold	SVT 400	348930			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	2		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation	PWS 332	348620	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Three-way distribution valve for passive cooling*	DWU 40	347770			
Hydraulic passive cooling accessories*	ZWU 32	348950			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			

System accessories SI 5TE

Description	Order ref.	Article number	Sample item	Item	Price
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

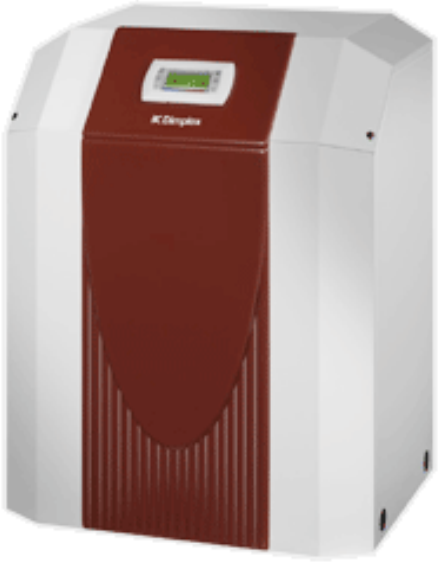
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 7ME

Brine-to-water heat pump, Basic series

Order reference: SI 7ME

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 7ME

Dimplex Brine-to-water heat pump, Basic series (Low temperature)		
Order reference		**SI 7ME**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	6,20 / 2,70
Heat output / COP at B0/W35*	kW/-	6,40 / 3,80
Electrical nominal power consumption at B0/W35	kW	1,68
Refrigerant R407C	kg	0,90
flow rate (heat source) at ext. pressure differential	m³/h / Pa	1.7 / 29500
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.60 / 3300
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	98
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	26 SA
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 7ME

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump, Basic series	SI 7ME	353020	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 680	336680	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	3		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation	PWS 332	348620	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Passive cooling station with cooling controller	PKS 25	342470			
Three-way distribution valve for passive cooling*	DWU 40	347770			
Hydraulic passive cooling accessories*	ZWU 32	348950			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity	RKS WPM	342220			

System accessories SI 7ME

Description	Order ref.	Article number	Sample item	Item	Price
measurement					
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

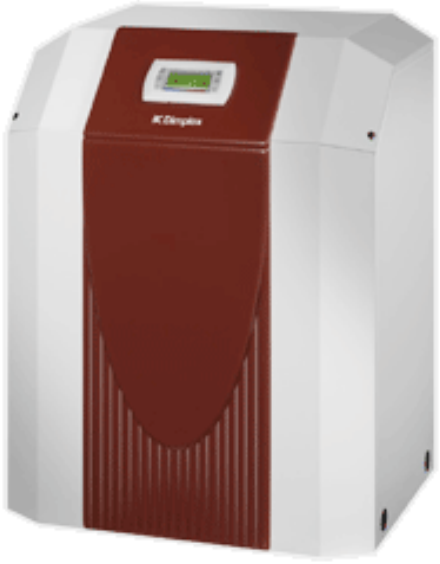
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 7MER

Reversible brine-to-water heat pump

Order reference: SI 7MER

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 7MER

Dimplex Reversible brine-to-water heat pump (Low temperature)		
Order reference		**SI 7MER**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Temperature operating limits for cooling		5 °C / 25 °C
Heat output / COP at B0/W50*	kW/-	6,20 / 2,70
Heat output / COP at B0/W35*	kW/-	6,40 / 3,80
Cooling capacity / COP at B+10/W8*	kW/-	7,00 / 5,50
Cooling capacity / COP at B+10/W18*	kW/-	8,80 / 6,60
Electrical nominal power consumption at B0/W35	kW	1,00
Refrigerant R407C	kg	0,90
flow rate (heat source) at ext. pressure differential	m³/h / Pa	1.7 / 29500
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.60 / 3300
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	104
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	26 SA
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 7MER

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible brine-to-water heat pump	SI 7MER	353080	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 680	336680	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	3		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Floor-mounted buffer tank (200 l)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor	MMH 25	348640	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor	WWSP 332	346610	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity	RKS WPM	342220	1		

System accessories SI 7MER

Description	Order ref.	Article number	Sample item	Item	Price
measurement					
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

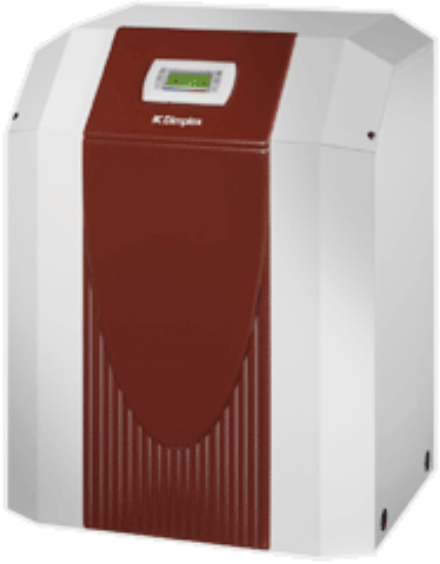
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 7TE

Brine-to-water heat pump, Basic series

Order reference: SI 7TE

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.

Technical data SI 7TE

Dimplex Brine-to-water heat pump, Basic series (Low temperature)		
Order reference		**SI 7TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	6,70 / 2,90
Heat output / COP at B0/W35*	kW/-	6,90 / 4,30
Electrical nominal power consumption at B0/W35	kW	1,60
Refrigerant R407C	kg	0,90
flow rate (heat source) at ext. pressure differential	m³/h / Pa	1.7 / 29500
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.60 / 3300
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	111
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	30
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 7TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump, Basic series	SI 7TE	352860	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 680	336680	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	3		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design hot water cylinder (400 l)*	WWSP 442E	353370			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation	PWS 332	348620	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Three-way distribution valve for passive cooling*	DWU 40	347770			
Hydraulic passive cooling accessories*	ZWU 32	348950			
Control accessories					
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			

System accessories SI 7TE

Description	Order ref.	Article number	Sample item	Item	Price
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

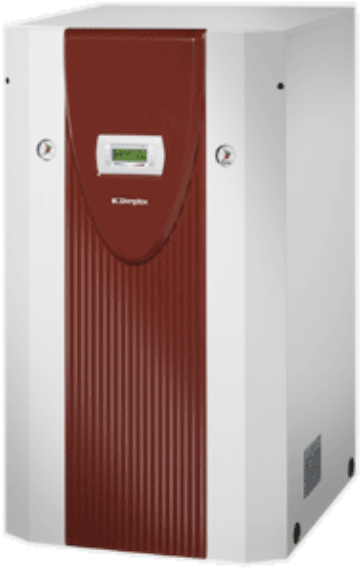
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SIK 7TE

Brine-to-water heat pump in a compact design

Order reference: SIK 7TE

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.

Technical data SIK 7TE

Dimplex Brine-to-water heat pump in a compact design (Low temperature)		
Order reference		**SIK 7TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	6,70 / 2,90
Heat output / COP at B0/W35*	kW/-	6,90 / 4,30
Electrical nominal power consumption at B0/W35	kW	1,60
Refrigerant R407C	kg	1,50
flow rate (heat source) at ext. pressure differential	m³/h / Pa	1.7 / 10000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.60 / 2500
Dimensions (W x D x H)**	mm	652 x 688 x 1110
Weight (incl. packing)	kg	179
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	30
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SIK 7TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump in a compact design	SIK 7TE	352810	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	3		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17	PSP 100E	353360	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
Compact brine heat pump connection set	VSH KS	343110	1		
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Built-under buffer tank (200 l) for SIK 7 - SIK 9*	WWSP 229E	353380			
Hot water cylinder (300 l) with temperature sensor	WWSP 332	346610	1		
Hot water connection set for compact brine heat pump	VSW KS	343120	1		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design hot water cylinder (400 l) with temperature sensor*	WWSP 400 K	342080			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Control accessories					
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

System accessories SIK 7TE

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used. In combination with borehole heat exchangers, passive cooling station and room climate control station enable silent cooling via panel heating systems.

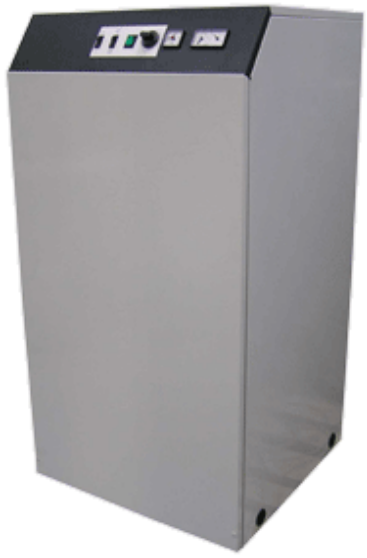
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 8MR

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

Order reference: SI 8MR

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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!

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 8MR

Dimplex Reversible brine-to-water heat pumps in a compact design (Low temperature)		
Order reference		**SI 8MR**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Temperature operating limits for cooling		5 °C / 25 °C
Heat output / COP at B0/W50*	kW/-	8,80 / 2,80
Heat output / COP at B0/W35*	kW/-	9,30 / 4,00
Cooling capacity / COP at B+10/W8*	kW/-	9,90 / 5,60
Cooling capacity / COP at B+10/W18*	kW/-	12,40 / 6,70
Electrical nominal power consumption at B0/W35	kW	2,30
Refrigerant R407C	kg	1,30
flow rate (heat source) at ext. pressure differential	m³/h / Pa	2.0 / 25000
Dimensions (W x D x H)**	mm	640 x 624 x 1220
Weight (incl. packing)	kg	162
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	38 SA
Fuse	A	20
Device connections for heating		1"
Device connections for heat source		1"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 8MR

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible brine-to-water heat pumps in a compact design	SI 8MR	348470	1		
Heat source accessories					
Brine circuit manifold connection package	AP SVT	348900			
Brine circuit antifreeze (20 l)	AFN 825	328610			
Hydraulic accessories					
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve*	KPV 25	346590			
Dual differential pressureless manifold*	DDV 32	348450			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

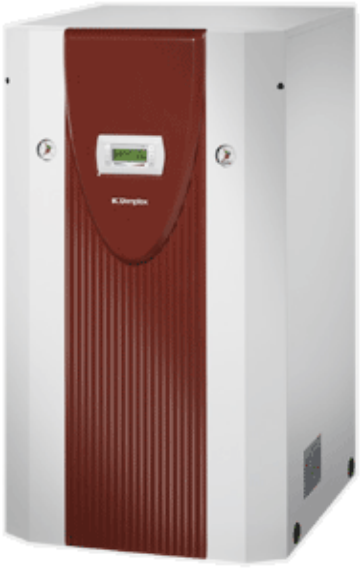
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SIK 9TE

Brine-to-water heat pump in a compact design

Order reference: SIK 9TE

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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 44,000 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 43,500 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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.

Technical data SIK 9TE

Dimplex Brine-to-water heat pump in a compact design (Low temperature)		
Order reference		**SIK 9TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	9,00 / 3,10
Heat output / COP at B0/W35*	kW/-	9,20 / 4,40
Electrical nominal power consumption at B0/W35	kW	2,07
Refrigerant R407C	kg	1,80
flow rate (heat source) at ext. pressure differential	m³/h / Pa	2.3 / 16000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.75 / 4500
Dimensions (W x D x H)**	mm	652 x 688 x 1110
Weight (incl. packing)	kg	180
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	15 SA
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SIK 9TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump in a compact design	SIK 9TE	352820	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920			
4-way brine circuit manifold	SVT 400	348930	1		
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	3		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17	PSP 100E	353360	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
Compact brine heat pump connection set	VSH KS	343110	1		
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Built-under buffer tank (200 l) for SIK 7 - SIK 9*	WWSP 229E	353380			
Hot water cylinder (300 l) with temperature sensor	WWSP 332	346610	1		
Hot water connection set for compact brine heat pump	VSW KS	343120	1		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

System accessories SIK 9TE

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used. In combination with borehole heat exchangers, passive cooling station and room climate control station enable silent cooling via panel heating systems.

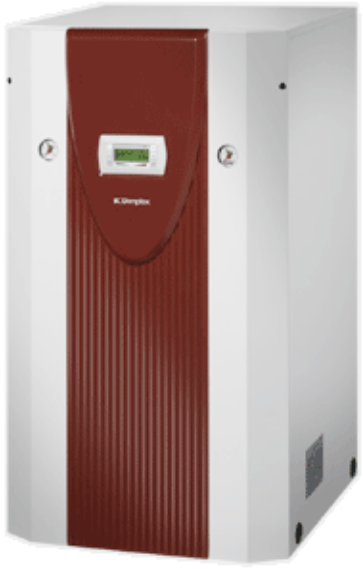
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SIK 11ME

Compact brine-to-water heat pump

Order reference: SIK 11ME

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SIK 11ME

Dimplex Compact brine-to-water heat pump (Low temperature)		
Order reference		**SIK 11ME**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	11,30 / 3,00
Heat output / COP at B0/W35*	kW/-	11,80 / 4,40
Electrical nominal power consumption at B0/W35	kW	2,66
Refrigerant R407C	kg	2,00
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.0 / 13000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.00 / 3500
Dimensions (W x D x H)**	mm	652 x 688 x 1110
Weight (incl. packing)	kg	191
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	38 SA
Fuse	A	25
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SIK 11ME

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Compact brine-to-water heat pump	SIK 11ME	352990	1		
Heat source accessories					
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910	1		
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	4		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Compact brine heat pump connection set	VSH KS	343110			
Built-under buffer tank (100l)	PSP 100K	341900	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve*	KPV 25	346590			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design hot water cylinder (400 l) with temperature sensor*	WWSP 400 K	342080			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310			
Accessories for passive cooling					
Passive cooling station with cooling controller	PKS 14	342460	1		
Passive cooling station for compact brine heat pump connection set	VS PKS	348630			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220	1		
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

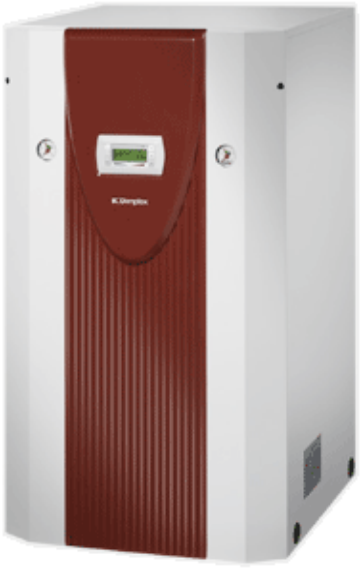
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SIK 11TE

Brine-to-water heat pump in a compact design

Order reference: SIK 11TE

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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 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 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 65,500 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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SIK 11TE

Dimplex Brine-to-water heat pump in a compact design (Low temperature)		
Order reference		**SIK 11TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	11,30 / 3,00
Heat output / COP at B0/W35*	kW/-	11,80 / 4,40
Electrical nominal power consumption at B0/W35	kW	2,66
Refrigerant R407C	kg	2,00
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.0 / 13000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.00 / 3500
Dimensions (W x D x H)**	mm	652 x 688 x 1110
Weight (incl. packing)	kg	191
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	26 SA
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SIK 11TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump in a compact design	SIK 11TE	352830	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910	1		
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	4		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17	PSP 100E	353360	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
Compact brine heat pump connection set	VSH KS	343110	1		
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve*	KPV 25	346590			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Design hot water cylinder (400 l)	WWSP 442E	353370	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:

System accessories SIK 11TE

The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used. In combination with borehole heat exchangers, passive cooling station and room climate control station enable silent cooling via panel heating systems.

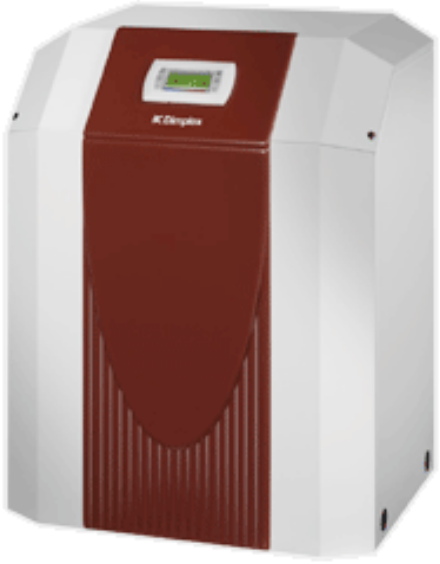
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 9ME

Brine-to-water heat pump, Basic series

Order reference: SI 9ME

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 9ME

Dimplex Brine-to-water heat pump, Basic series (Low temperature)		
Order reference		**SI 9ME**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	8,80 / 2,70
Heat output / COP at B0/W35*	kW/-	9,20 / 4,00
Electrical nominal power consumption at B0/W35	kW	2,32
Refrigerant R407C	kg	1,25
flow rate (heat source) at ext. pressure differential	m³/h / Pa	2.3 / 25000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.75 / 2300
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	104
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	38 SA
Fuse	A	20
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 9ME

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump, Basic series	SI 9ME	353030	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 690	336690	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920			
4-way brine circuit manifold	SVT 400	348930	1		
Brine circuit antifreeze (20 l)	AFN 825	328610	1		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation	PWS 332	348620	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Passive cooling station with cooling controller	PKS 25	342470			
Three-way distribution valve for passive cooling*	DWU 40	347770			
Hydraulic passive cooling accessories*	ZWU 32	348950			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			

System accessories SI 9ME

Description	Order ref.	Article number	Sample item	Item	Price
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

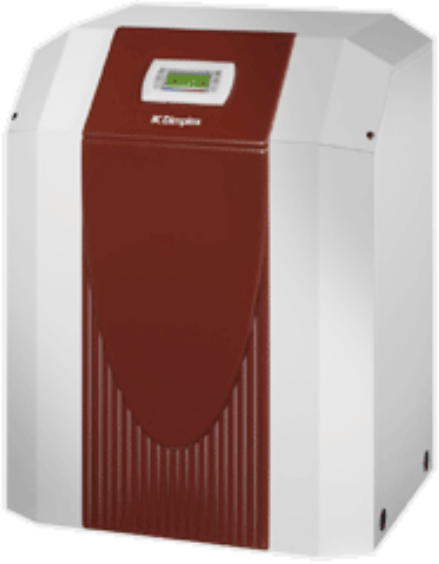
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 9MER

Reversible brine-to-water heat pump

Order reference: SI 9MER

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 9MER

Dimplex Reversible brine-to-water heat pump (Low temperature)		
Order reference		**SI 9MER**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Temperature operating limits for cooling		5 °C / 25 °C
Heat output / COP at B0/W50*	kW/-	8,80 / 2,80
Heat output / COP at B0/W35*	kW/-	9,30 / 4,00
Cooling capacity / COP at B+10/W8*	kW/-	9,90 / 5,60
Cooling capacity / COP at B+10/W18*	kW/-	12,40 / 6,70
Electrical nominal power consumption at B0/W35	kW	2,00
Refrigerant R407C	kg	1,25
flow rate (heat source) at ext. pressure differential	m³/h / Pa	2.3 / 25000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.75 / 2300
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	110
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	38 SA
Fuse	A	20
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 9MER

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible brine-to-water heat pump	SI 9MER	353090	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 690	336690			
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920			
4-way brine circuit manifold	SVT 400	348930	1		
Brine circuit antifreeze (20 l)	AFN 825	328610	3		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Floor-mounted buffer tank (200 l)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor	MMH 25	348640	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor	WWSP 332	346610	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity	RKS WPM	342220	1		

System accessories SI 9MER

Description	Order ref.	Article number	Sample item	Item	Price
measurement					
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

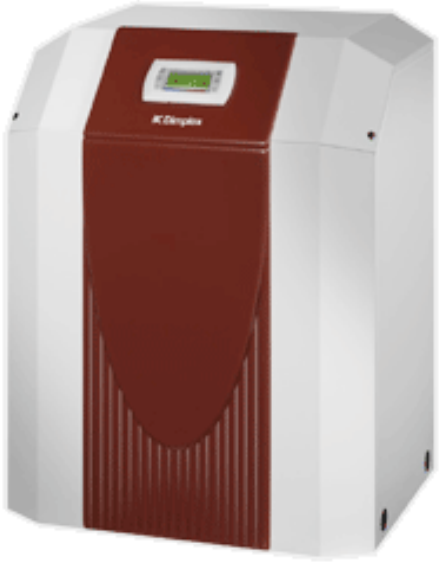
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 9TE

Brine-to-water heat pump, Basic series

Order reference: SI 9TE

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.
Integrated soft starter 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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.

Technical data SI 9TE

Dimplex Brine-to-water heat pump, Basic series (Low temperature)		
Order reference		**SI 9TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	9,00 / 3,10
Heat output / COP at B0/W35*	kW/-	9,20 / 4,40
Electrical nominal power consumption at B0/W35	kW	2,00
Refrigerant R407C	kg	1,30
flow rate (heat source) at ext. pressure differential	m³/h / Pa	2.3 / 25000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.75 / 2300
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	118
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	15 SA
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 9TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump, Basic series	SI 9TE	352870	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 690	336690	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920			
4-way brine circuit manifold	SVT 400	348930	1		
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	3		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design hot water cylinder (400 l)*	WWSP 442E	353370			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation	PWS 332	348620	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Passive cooling station with cooling controller	PKS 25	342470			
Three-way distribution valve for passive cooling*	DWU 40	347770			
Hydraulic passive cooling accessories*	ZWU 32	348950			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			

System accessories SI 9TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

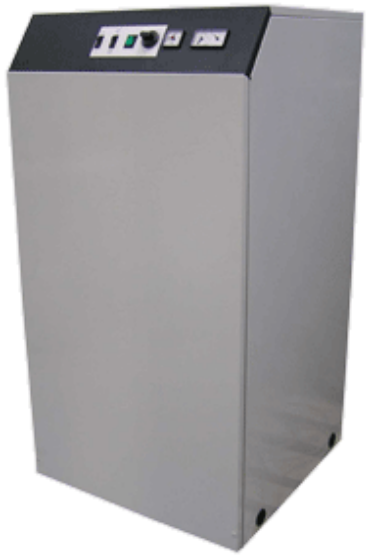
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 10MR

Brine-to-water heat pumps in a compact design

Order reference: SI 10MR

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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!

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 10MR

Dimplex Brine-to-water heat pumps in a compact design (Low temperature)		
Order reference		**SI 10MR**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Temperature operating limits for cooling		5 °C / 25 °C
Heat output / COP at B0/W50*	kW/-	11,30 / 2,90
Heat output / COP at B0/W35*	kW/-	11,60 / 4,10
Cooling capacity / COP at B+10/W8*	kW/-	11,60 / 5,70
Cooling capacity / COP at B+10/W18*	kW/-	12,40 / 6,70
Electrical nominal power consumption at B0/W35	kW	2,80
Refrigerant R407C	kg	1,50
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.0 / 24000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.00 / 4100
Dimensions (W x D x H)**	mm	640 x 624 x 1220
Weight (incl. packing)	kg	163
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	38 SA
Fuse	A	25
Device connections for heating		1"
Device connections for heat source		1"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 10MR

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pumps in a compact design	SI 10MR	348480	1		
Hydraulic accessories					
Dual differential pressureless manifold*	DDV 32	348450			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

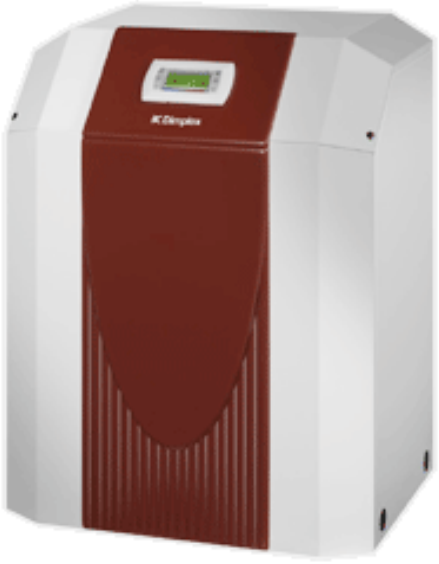
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 11ME

Brine-to-water heat pump, Basic series

Order reference: SI 11ME

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 11ME

Dimplex Brine-to-water heat pump, Basic series (Low temperature)		
Order reference		**SI 11ME**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	10,50 / 2,60
Heat output / COP at B0/W35*	kW/-	11,00 / 4,00
Electrical nominal power consumption at B0/W35	kW	2,75
Refrigerant R407C	kg	1,25
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.0 / 24000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.00 / 4100
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	108
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	38 SA
Fuse	A	25
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 11ME

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump, Basic series	SI 11ME	353040	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 690	336690	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910	1		
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit antifreeze (20 l)	AFN 825	328610	4		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation	PWS 332	348620	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Passive cooling station with cooling controller	PKS 25	342470			
Three-way distribution valve for passive cooling*	DWU 40	347770			
Hydraulic passive cooling accessories*	ZWU 32	348950			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			

System accessories SI 11ME

Description	Order ref.	Article number	Sample item	Item	Price
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

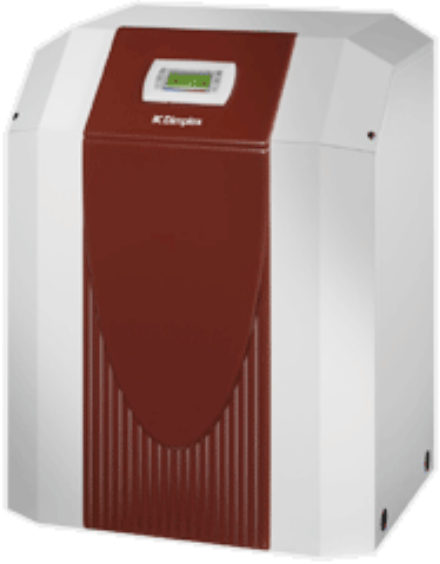
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 11MER

Reversible brine-to-water heat pump

Order reference: SI 11MER

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 11MER

Dimplex Reversible brine-to-water heat pump (Low temperature)		
Order reference		**SI 11MER**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Temperature operating limits for cooling		5 °C / 25 °C
Heat output / COP at B0/W50*	kW/-	11,30 / 2,90
Heat output / COP at B0/W35*	kW/-	11,60 / 4,10
Cooling capacity / COP at B+10/W8*	kW/-	11,60 / 5,70
Cooling capacity / COP at B+10/W18*	kW/-	14,10 / 6,50
Electrical nominal power consumption at B0/W35	kW	2,00
Refrigerant R407C	kg	1,60
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.0 / 24000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.00 / 4100
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	114
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	38 SA
Fuse	A	25
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 11MER

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible brine-to-water heat pump	SI 11MER	353100	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 690	336690	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910	1		
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit antifreeze (20 l)	AFN 825	328610	4		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Floor-mounted buffer tank (200 l)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor	MMH 25	348640	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor	WWSP 332	346610	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220	1		
Heating/cooling on/off room temperature controller*	RTK 501	343080			

System accessories SI 11MER

Description	Order ref.	Article number	Sample item	Item	Price
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

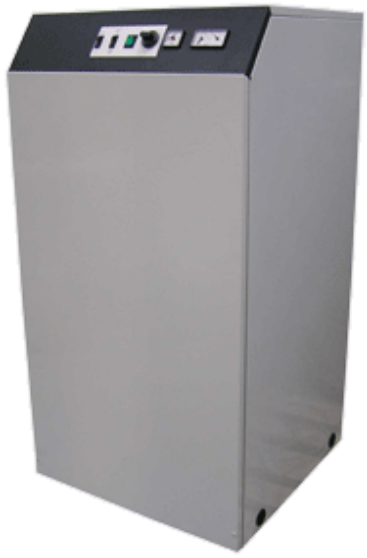
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 12TR

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

Order reference: SI 12TR

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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!

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 12TR

Dimplex Reversible brine-to-water heat pumps in a compact design (Low temperature)		
Order reference		**SI 12TR**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Temperature operating limits for cooling		5 °C / 25 °C
Heat output / COP at B0/W50*	kW/-	11,30 / 2,90
Heat output / COP at B0/W35*	kW/-	11,60 / 4,10
Cooling capacity / COP at B+10/W8*	kW/-	11,60 / 5,70
Cooling capacity / COP at B+10/W18*	kW/-	14,10 / 6,50
Electrical nominal power consumption at B0/W35	kW	2,80
Refrigerant R407C	kg	1,40
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.0 / 24000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.00 / 4100
Dimensions (W x D x H)**	mm	640 x 624 x 1220
Weight (incl. packing)	kg	161
Control voltage	V	230
Supply voltage		3/N/PE~230/400V, 50Hz
Starting current with soft starter	A	26 SA
Fuse	A	16
Device connections for heating		1"
Device connections for heat source		1"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 12TR

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible brine-to-water heat pumps in a compact design	SI 12TR	348490	1		
Hydraulic accessories					
Dual differential pressureless manifold*	DDV 32	348450			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

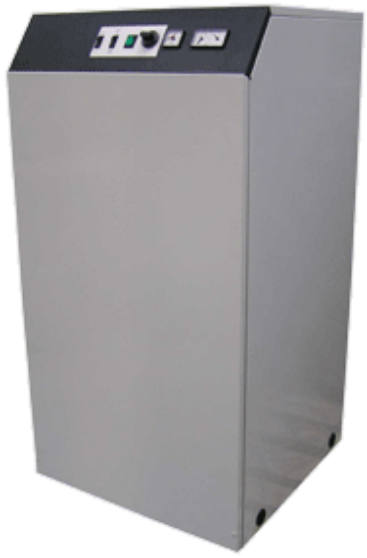
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 14TR

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

Order reference: SI 14TR

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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!

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 14TR

Dimplex Reversible brine-to-water heat pumps in a compact design (Low temperature)		
Order reference		**SI 14TR**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Temperature operating limits for cooling		5 °C / 25 °C
Heat output / COP at B0/W50*	kW/-	13,50 / 2,90
Heat output / COP at B0/W35*	kW/-	13,70 / 4,00
Cooling capacity / COP at B+10/W8*	kW/-	14,70 / 6,40
Cooling capacity / COP at B+10/W18*	kW/-	17,40 / 7,10
Electrical nominal power consumption at B0/W35	kW	3,41
Refrigerant R407C	kg	2,10
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.0 / 17900
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.00 / 4850
Dimensions (W x D x H)**	mm	640 x 624 x 1220
Weight (incl. packing)	kg	166
Control voltage	V	230
Supply voltage		3/N/PE~230/400V, 50Hz
Starting current with soft starter	A	26 SA
Fuse	A	16
Device connections for heating		1"
Device connections for heat source		1"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 14TR

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible brine-to-water heat pumps in a compact design	SI 14TR	348500	1		
Hydraulic accessories					
Dual differential pressureless manifold*	DDV 32	348450			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

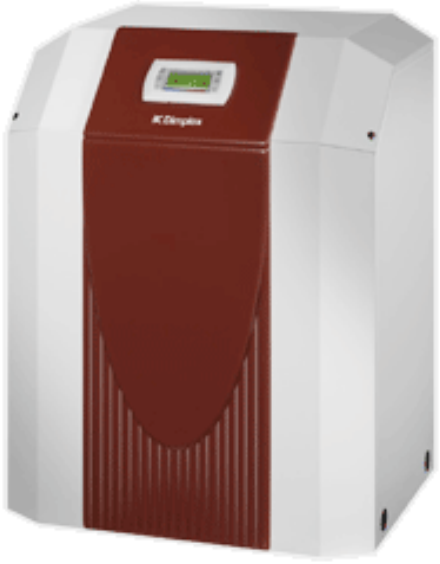
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 14ME

Brine-to-water heat pump, Basic series

Order reference: SI 14ME

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 14ME

Dimplex Brine-to-water heat pump, Basic series (Low temperature)		
Order reference		**SI 14ME**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	14,20 / 2,80
Heat output / COP at B0/W35*	kW/-	14,50 / 4,00
Electrical nominal power consumption at B0/W35	kW	3,62
Refrigerant R407C	kg	1,50
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.0 / 20000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.00 / 4800
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	120
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	50 SA
Fuse	A	32
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 14ME

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump, Basic series	SI 14ME	353050	1		
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Dual differential pressureless manifold*	DDV 32	348450			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

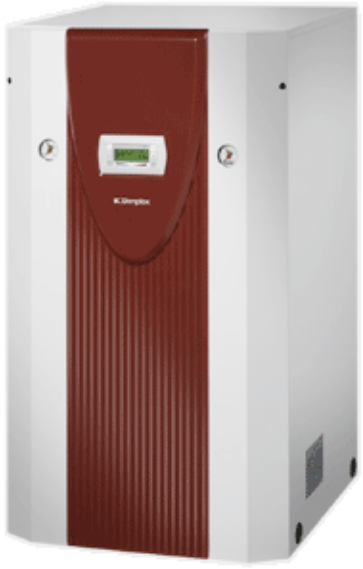
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SIK 14TE

Brine-to-water heat pump in a compact design

Order reference: SIK 14TE

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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 34000 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 64,500 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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.

Technical data SIK 14TE

Dimplex Brine-to-water heat pump in a compact design (Low temperature)		
Order reference		**SIK 14TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	14,20 / 3,40
Heat output / COP at B0/W35*	kW/-	14,50 / 4,50
Electrical nominal power consumption at B0/W35	kW	3,22
Refrigerant R407C	kg	2,30
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.5 / 13000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.30 / 3500
Dimensions (W x D x H)**	mm	652 x 688 x 1110
Weight (incl. packing)	kg	203
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	26 SA
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SIK 14TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump in a compact design	SIK 14TE	352840	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920	2		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	5		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17	PSP 100E	353360	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
Compact brine heat pump connection set	VSH KS	343110	1		
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Design hot water cylinder (400 l)	WWSP 442E	353370	1		
Hot water connection set for compact brine heat pump	VSW KS	343120	1		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Circulating pump for main heat pump circuit	UP 80	340310	1		
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used. In combination with borehole heat exchangers, passive cooling station and room climate control station enable silent cooling via panel heating systems.

System accessories SIK 14TE

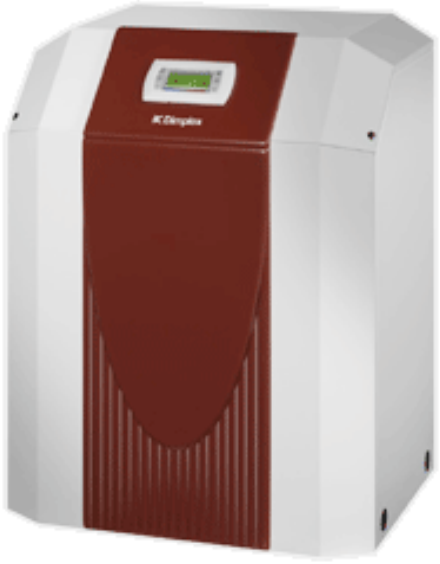
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 14TE

Brine-to-water heat pump, Basic series

Order reference: SI 14TE

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.

Technical data SI 14TE

Dimplex Brine-to-water heat pump, Basic series (Low temperature)		
Order reference		**SI 14TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	14,20 / 3,40
Heat output / COP at B0/W35*	kW/-	14,50 / 4,50
Electrical nominal power consumption at B0/W35	kW	3,22
Refrigerant R407C	kg	1,70
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.5 / 20000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.30 / 4800
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	130
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	26 SA
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 14TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump, Basic series	SI 14TE	352890	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 690	336690	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920	2		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	5		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17	PSP 100E	353360	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Brine-to-water heat pump heating connection set	VSH BS	347790	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design hot water cylinder (400 l)	WWSP 442E	353370	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 80	340310	1		
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Three-way distribution valve for passive cooling*	DWU 40	347770			
Hydraulic passive cooling accessories*	ZWU 32	348950			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			

System accessories SI 14TE

Description	Order ref.	Article number	Sample item	Item	Price
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

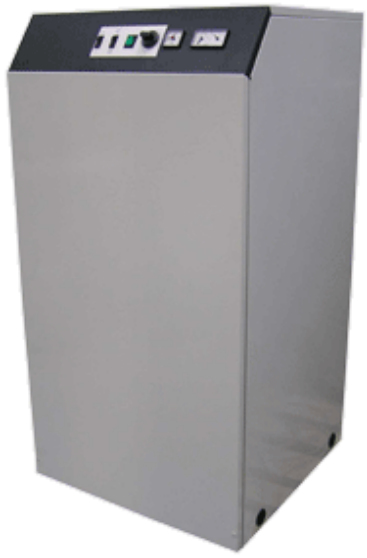
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 16TR

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

Order reference: SI 16TR

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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!

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 16TR

Dimplex Reversible brine-to-water heat pumps in a compact design (Low temperature)		
Order reference		**SI 16TR**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Temperature operating limits for cooling		5 °C / 25 °C
Heat output / COP at B0/W50*	kW/-	16,30 / 3,20
Heat output / COP at B0/W35*	kW/-	16,40 / 4,00
Cooling capacity / COP at B+10/W8*	kW/-	18,00 / 6,40
Cooling capacity / COP at B+10/W18*	kW/-	21,80 / 7,30
Electrical nominal power consumption at B0/W35	kW	4,10
Refrigerant R407C	kg	2,40
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.0 / 18400
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.00 / 4000
Dimensions (W x D x H)**	mm	640 x 624 x 1220
Weight (incl. packing)	kg	172
Control voltage	V	230
Supply voltage		3/N/PE~230/400V, 50Hz
Starting current with soft starter	A	30 SA
Fuse	A	16
Device connections for heating		1"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 16TR

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible brine-to-water heat pumps in a compact design	SI 16TR	348510	1		
Hydraulic accessories					
Dual differential pressureless manifold*	DDV 32	348450			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

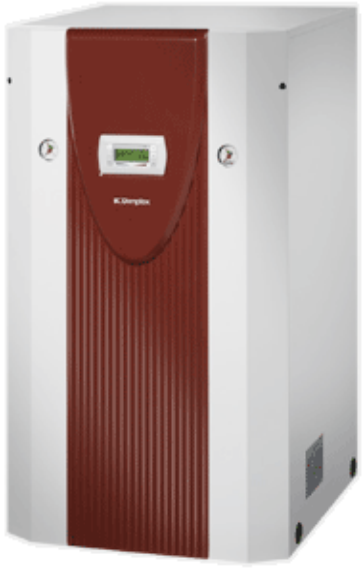
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SIK 16ME

Compact brine-to-water heat pump

Order reference: SIK 16ME

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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). Integrated brine components enable direct connection of the heat source: - Brine circulating pump (free compression 34000 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 64,500 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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SIK 16ME

Dimplex Compact brine-to-water heat pump (Low temperature)		
Order reference		**SIK 16ME**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	15,50 / 2,90
Heat output / COP at B0/W35*	kW/-	15,80 / 4,20
Electrical nominal power consumption at B0/W35	kW	3,77
Refrigerant R407C	kg	2,30
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.5 / 13000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.30 / 3500
Dimensions (W x D x H)**	mm	652 x 653 x 1110
Weight (incl. packing)	kg	203
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	50 SA
Fuse	A	32
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SIK 16ME

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Compact brine-to-water heat pump	SIK 16ME	353000	1		
Heat source accessories					
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930	1		
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	5		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Compact brine heat pump connection set	VSH KS	343110	1		
Built-under buffer tank (100l)	PSP 100K	341900	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design hot water cylinder (400 l) with temperature sensor	WWSP 400 K	342080	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Circulating pump for main heat pump circuit	UP 80	340310	1		
Accessories for passive cooling					
Passive cooling station with cooling controller	PKS 14	342460	1		
Passive cooling station for compact brine heat pump connection set	VS PKS	348630			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220	1		
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

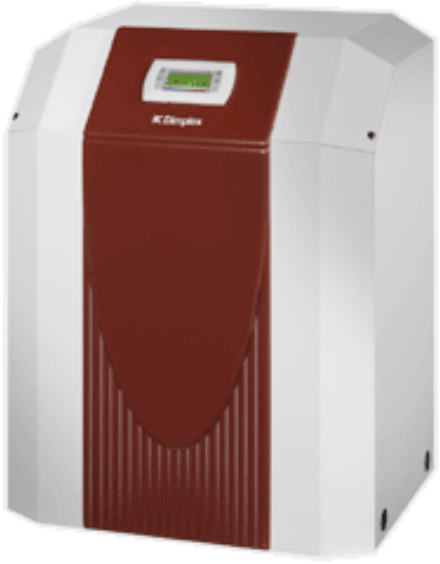
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 17TE

Brine-to-water heat pump, Basic series

Order reference: SI 17TE

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.

Technical data SI 17TE

Dimplex Brine-to-water heat pump, Basic series (Low temperature)		
Order reference		**SI 17TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	16,70 / 3,20
Heat output / COP at B0/W35*	kW/-	17,10 / 4,60
Electrical nominal power consumption at B0/W35	kW	3,72
Refrigerant R407C	kg	2,80
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.8 / 9000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.50 / 4000
Dimensions (W x D x H)**	mm	650 x 462 x 805
Weight (incl. packing)	kg	133
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	27 SA
Fuse	A	16
Device connections for heating		1 1/4"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 17TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump, Basic series	SI 17TE	352900	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 700	336700	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930	1		
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	5		
Plate heat exchanger using water as heat source in case of pollution	WT 733	349010			
Hydraulic accessories					
Built-under buffer tank (100 l) for SI(K) 5-17*	PSP 100E	353360			
Floor-mounted buffer tank (200 l)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design hot water cylinder (400 l)	WWSP 442E	353370	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 80	340310	1		
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Passive cooling controller*	WPM PK	348190			
Three-way distribution valve for passive cooling*	DWU 40	347770			
Hydraulic passive cooling accessories*	ZWU 32	348950			
Control accessories					
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					

System accessories SI 17TE

Description	Order ref.	Article number	Sample item	Item	Price
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

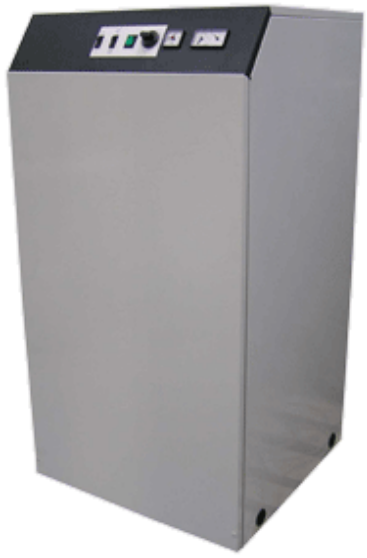
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 20TR

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

Order reference: SI 20TR

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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!

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 20TR

Dimplex Reversible brine-to-water heat pumps in a compact design (Low temperature)		
Order reference		**SI 20TR**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Temperature operating limits for cooling		5 °C / 25 °C
Heat output / COP at B0/W50*	kW/-	20,40 / 3,10
Heat output / COP at B0/W35*	kW/-	20,00 / 4,20
Cooling capacity / COP at B+10/W8*	kW/-	21,90 / 5,90
Cooling capacity / COP at B+10/W18*	kW/-	27,70 / 7,10
Electrical nominal power consumption at B0/W35	kW	4,80
Refrigerant R407C	kg	3,20
flow rate (heat source) at ext. pressure differential	m³/h / Pa	3.0 / 13900
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.00 / 3400
Dimensions (W x D x H)**	mm	640 x 624 x 1220
Weight (incl. packing)	kg	237
Control voltage	V	230
Supply voltage		3/N/PE~230/400V, 50Hz
Starting current with soft starter	A	30 SA
Fuse	A	16
Device connections for heating		1"
Device connections for heat source		1 1/4"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 20TR

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible brine-to-water heat pumps in a compact design	SI 20TR	348520	1		
Hydraulic accessories					
Dual differential pressureless manifold*	DDV 32	348450			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

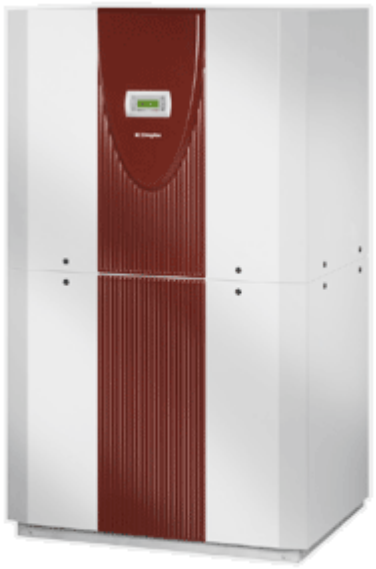
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SIH 20TE

High-temperature brine-to-water heat pump

Order reference: SIH 20TE

Installation location: Indoors
Flow temperature max 70 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.

Technical data SIH 20TE

Dimplex High-temperature brine-to-water heat pump (Medium temperature)		
Order reference		**SIH 20TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		70 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	1 compressors: 10,50 / 3,20 2 compressors: 21,30 / 3,30
Heat output / COP at B0/W35*	kW/-	1 compressors: 11,80 / 4,80 2 compressors: 21,80 / 4,70
Electrical nominal power consumption at B0/W35	kW	4,70
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	47
Refrigerant R134a	kg	4,20
flow rate (heat source) at ext. pressure differential	m³/h / Pa	5.1 / 11000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.90 / 2310
Dimensions (W x D x H)**	mm	1000 x 775 x 1660
Weight (incl. packing)	kg	307
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	30
Fuse	A	25
Device connections for heating		1 1/4"
Device connections for heat source		1 1/2"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SIH 20TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
High-temperature brine-to-water heat pump	SIH 20TE	352970	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 400	352500	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930	3		
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610			
Brine circuit antifreeze (200 l)	AFN 824	324610	1		
Hydraulic accessories					
Floor-mounted buffer tank (200 l)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
Universal buffer tank (500 l)*	PSW 500	339210			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design hot water cylinder (400 l) with temperature sensor	WWSP 400 K	342080	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Control accessories					
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

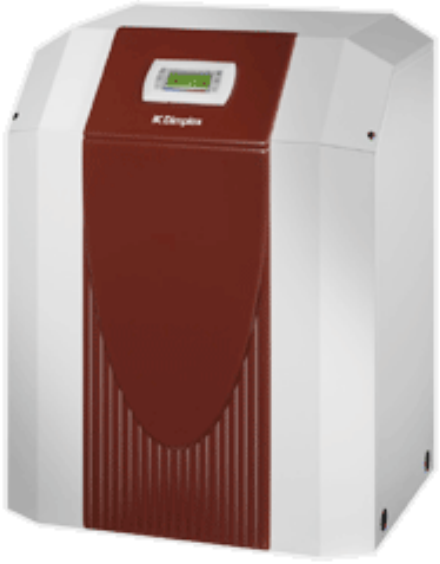
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 21TE

Brine-to-water heat pump

Order reference: SI 21TE

Installation location: Indoors
Flow temperature max 58 °C
Casing, powder-coated



Brine-to-water heat pump with external temperature controlled heat pump manager and economiser for high COPs. Extremely quiet through double vibration-isolated compressor. Flexible connecting hoses for brine and heating system connections. 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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.

Technical data SI 21TE

Dimplex Brine-to-water heat pump (Low temperature)		
Order reference		**SI 21TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		58 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	20,40 / 3,10
Heat output / COP at B0/W35*	kW/-	21,10 / 4,30
Electrical nominal power consumption at B0/W35	kW	4,00
Refrigerant R407C	kg	4,50
flow rate (heat source) at ext. pressure differential	m³/h / Pa	6.0 / 12000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.60 / 6000
Dimensions (W x D x H)**	mm	650 x 575 x 1445
Weight (incl. packing)	kg	225
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	29 SA
Fuse	A	20
Device connections for heating		1 1/4"
Device connections for heat source		1 1/2"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 21TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump	SI 21TE	353410	1		
Elasticated sound insulation underlay strips	SYL 250	352260	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 710	336710	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920	3		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	7		
Plate heat exchanger using water as heat source in case of pollution	WT 1634	349020			
Hydraulic accessories					
Floor-mounted buffer tank (200 l)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (500 l) with temperature sensor	WWSP 900	339220	1		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 80	340310	1		
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Accessories for passive cooling					
Passive cooling station with cooling controller*	PKS 14	342460			
Passive cooling station with cooling controller	PKS 25	342470			
Passive cooling controller*	WPM PK	348190			
Three-way distribution valve for passive cooling*	DWU 40	347770			
Hydraulic passive cooling accessories*	ZWU 32	348950			
Control accessories					
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity	RKS WPM	342220			

System accessories SI 21TE

Description	Order ref.	Article number	Sample item	Item	Price
measurement					
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
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. Integrated soft starter 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.

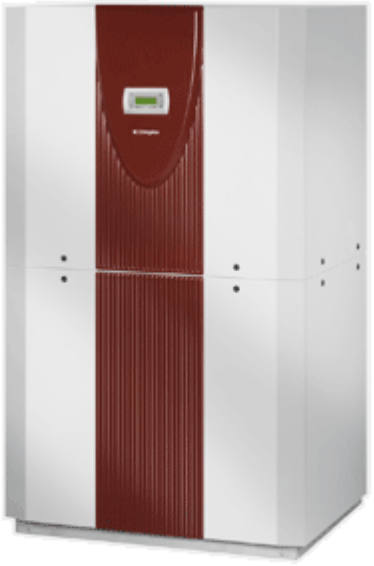
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 24TE

Brine-to-water heat pump with two performance levels

Order reference: SI 24TE

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 24TE

Dimplex Brine-to-water heat pump with two performance levels (Low temperature)		
Order reference		**SI 24TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	1 compressors: 10,80 / 2,70 2 compressors: 22,70 / 2,90
Heat output / COP at B0/W35*	kW/-	1 compressors: 12,50 / 4,40 2 compressors: 24,00 / 4,30
Electrical nominal power consumption at B0/W35	kW	5,61
Refrigerant R404A	kg	3,70
flow rate (heat source) at ext. pressure differential	m³/h / Pa	5.6 / 13000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	2.20 / 3100
Dimensions (W x D x H)**	mm	1000 x 750 x 1660
Weight (incl. packing)	kg	282
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	20
Device connections for heating		1 1/4"
Device connections for heat source		1 1/2"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 24TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump with two performance levels	SI 24TE	352910	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 250	352490	1		
Brine circuit manifold connection package	AP SVT	348900	2		
2-way brine circuit manifold	SVT 200	348910	2		
3-way brine circuit manifold	SVT 300	348920	2		
4-way brine circuit manifold	SVT 400	348930			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	7		
Brine circuit antifreeze (200 l)	AFN 824	324610			
Plate heat exchanger using water as heat source in case of pollution	WT 1634	349020			
Hydraulic accessories					
Floor-mounted buffer tank (200 l)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
Universal buffer tank (500 l)*	PSW 500	339210			
Compact manifold with overflow valve*	KPV 25	346590			
Dual differential pressureless manifold	DDV 32	348450	1		
Circulating pump for DDV 32	UP 70-32	354020	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design hot water cylinder (400 l)	WWSP 442E	353370	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Design hot water cylinder (400 l) with temperature sensor*	WWSP 400 K	342080			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 80	340310	1		
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Accessories for passive cooling					
Passive cooling station with cooling controller	PKS 25	342470			
Passive cooling controller*	WPM PK	348190			
Control accessories					
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

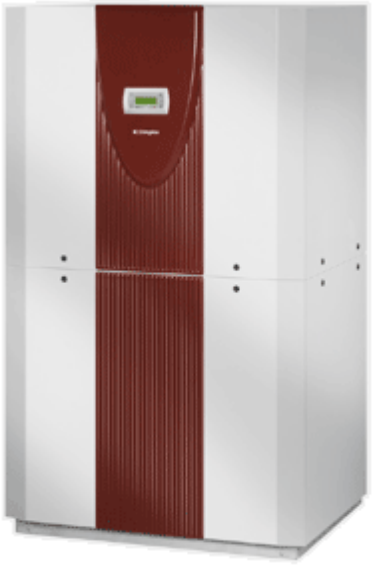
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 37TE

Brine-to-water heat pump with two performance levels

Order reference: SI 37TE

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 37TE

Dimplex Brine-to-water heat pump with two performance levels (Low temperature)		
Order reference		**SI 37TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	1 compressors: 13,10 / 2,40 2 compressors: 34,30 / 3,10
Heat output / COP at B0/W35*	kW/-	1 compressors: 17,00 / 4,20 2 compressors: 37,20 / 4,60
Electrical nominal power consumption at B0/W35	kW	7,96
Refrigerant R404A	kg	6,80
flow rate (heat source) at ext. pressure differential	m³/h / Pa	8.5 / 10000
Heating water flow rate with an int. pressure differential of	m³/h / mbar	3.20 / 1650
Dimensions (W x D x H)**	mm	1000 x 750 x 1660
Weight (incl. packing)	kg	371
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	26
Fuse	A	20
Device connections for heating		1 1/4"
Device connections for heat source		2"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 37TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump with two performance levels	SI 37TE	352920	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 400	352500	1		
Brine circuit manifold connection package	AP SVT	348900	1		
2-way brine circuit manifold	SVT 200	348910			
3-way brine circuit manifold	SVT 300	348920	1		
4-way brine circuit manifold	SVT 400	348930	3		
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610			
Brine circuit antifreeze (200 l)	AFN 824	324610	1		
Hydraulic accessories					
Floor-mounted buffer tank (200 l)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
Universal buffer tank (500 l)*	PSW 500	339210			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design hot water cylinder (400 l) with temperature sensor	WWSP 400 K	342080	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Control accessories					
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

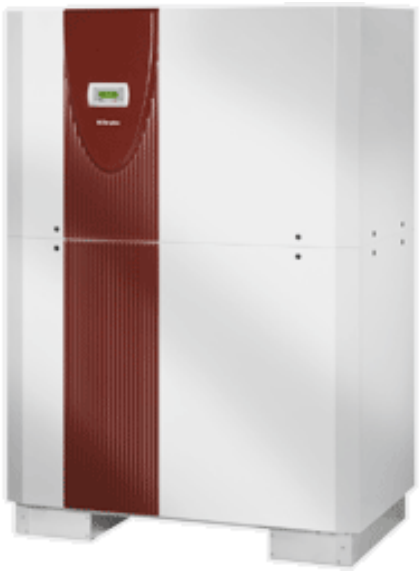
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SIH 40TE

High-temperature brine-to-water heat pump

Order reference: SIH 40TE

Installation location: Indoors
Flow temperature max 70 °C
Casing, powder-coated



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 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.
Two soft starters, protective motor switch and load contactor for brine circulating pump integrated; external sensor (standard NTC-2), dirt filter for brine circuit included in the scope of supply. Brine package must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SIH 40TE

Dimplex High-temperature brine-to-water heat pump (Medium temperature)		
Order reference		**SIH 40TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		70 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	1 compressors: 13,50 / 2,40 2 compressors: 33,10 / 3,10
Heat output / COP at B0/W35*	kW/-	1 compressors: 18,60 / 4,40 2 compressors: 36,60 / 4,40
Electrical nominal power consumption at B0/W35	kW	8,36
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	50
Refrigerant R134a	kg	8,00
flow rate (heat source) at ext. pressure differential	m³/h / Pa	11.0 / 1190
Heating water flow rate with an int. pressure differential of	m³/h / mbar	3.20 / 1100
Dimensions (W x D x H)**	mm	1350 x 775 x 1890
Weight (incl. packing)	kg	502
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	84 SA
Fuse	A	63
Device connections for heating		1 1/2"
Device connections for heat source		2 1/2"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SIH 40TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
High-temperature brine-to-water heat pump	SIH 40TE	352980	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 400	352500			
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610			
Brine circuit antifreeze (200 l)	AFN 824	324610			
Hydraulic accessories					
Universal buffer tank (500 l)*	PSW 500	339210			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Circulating pump for main heat pump circuit	UP 80	340310			
Accessories for passive cooling					
Passive cooling controller*	WPM PK	348190			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used.

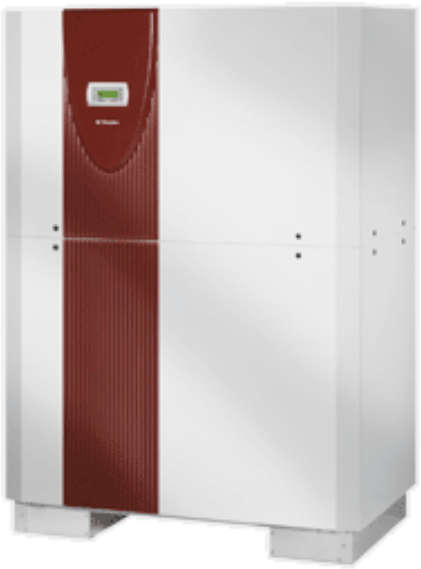
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 50TE

Brine-to-water heat pump with two performance levels

Order reference: SI 50TE

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 50TE

Dimplex Brine-to-water heat pump with two performance levels (Low temperature)		
Order reference		**SI 50TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	1 compressors: 18,50 / 2,50 2 compressors: 43,80 / 2,50
Heat output / COP at B0/W35*	kW/-	1 compressors: 23,00 / 4,40 2 compressors: 46,70 / 4,50
Electrical nominal power consumption at B0/W35	kW	10,45
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	50
Refrigerant R404A	kg	8,60
flow rate (heat source) at ext. pressure differential	m³/h / Pa	12.8 / 1570
Heating water flow rate with an int. pressure differential of	m³/h / mbar	4.50 / 2000
Dimensions (W x D x H)**	mm	1350 x 775 x 1890
Weight (incl. packing)	kg	486
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	56
Fuse	A	50
Device connections for heating		1 1/2"
Device connections for heat source		2 1/2"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 50TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump with two performance levels	SI 50TE	352930	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 500	352270	1		
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	1		
Brine circuit antifreeze (200 l)	AFN 824	324610	4		
Hydraulic accessories					
Universal buffer tank (500 l)*	PSW 500	339210			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (500 l) with temperature sensor	WWSP 900	339220	1		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Accessories for passive cooling					
Passive cooling controller*	WPM PK	348190			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used. Domestic hot water preparation is carried out by means of a compressor at a heating water flow rate of 4.5m³/h.

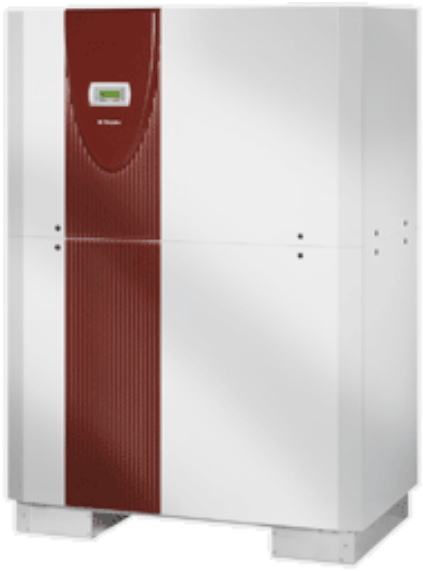
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 75TE

Brine-to-water heat pump with two performance levels

Order reference: SI 75TE

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 75TE

Dimplex Brine-to-water heat pump with two performance levels (Low temperature)		
Order reference		**SI 75TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	1 compressors: 33,30 / 2,80 2 compressors: 69,80 / 2,90
Heat output / COP at B0/W35*	kW/-	1 compressors: 37,60 / 4,30 2 compressors: 75,20 / 4,40
Electrical nominal power consumption at B0/W35	kW	16,95
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	54
Refrigerant R404A	kg	12,60
flow rate (heat source) at ext. pressure differential	m³/h / Pa	20.5 / 1780
Heating water flow rate with an int. pressure differential of	m³/h / mbar	6.50 / 2500
Dimensions (W x D x H)**	mm	1350 x 775 x 1890
Weight (incl. packing)	kg	571
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	105
Fuse	A	63
Device connections for heating		2"
Device connections for heat source		2 1/2"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 75TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump with two performance levels	SI 75TE	352940	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 750	352280	1		
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	2		
Brine circuit antifreeze (200 l)	AFN 824	324610	2		
Hydraulic accessories					
Universal buffer tank (500 l)*	PSW 500	339210			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 l) with temperature sensor	WWSP 880	337880	2		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Accessories for passive cooling					
Passive cooling controller*	WPM PK	348190			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used. Domestic hot water preparation is carried out by means of a compressor at a heating water flow rate of 6.5m³/h.

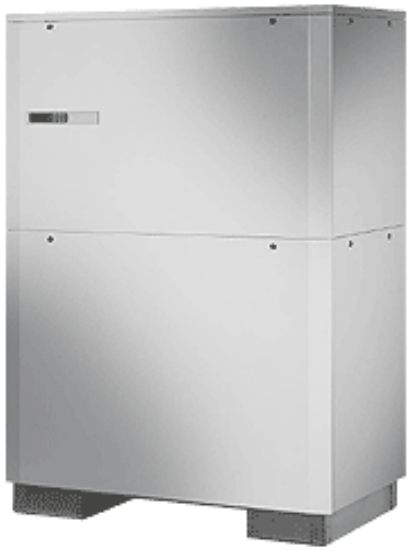
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 75ZSR

Reversible brine-to-water heat pumps

Order reference: SI 75ZSR

Installation location: Indoors
Flow temperature max 55 °C
Casing, powder-coated



Brine-to-water heat pumps with reversible refrigerating circuit for heating and cooling, external temperature controlled heat pump manager and economiser for high COPs in cooling operation; already complies with the high requirements of EN 14511 for larger volume flows on the heat consumption side. Extremely low noise emissions through double vibration isolation and sound-insulated metal casing (accessible from underneath with a lift truck); two compressors for flexible capacity. Protective motor switch, load contactor for brine circulating pump, flow and return flow sensor and two electronic soft starters fitted as standard; external sensor and dirt filter included in the scope of supply; easy access for connection and maintenance work on the front, hydraulic connections on the rear (no minimum clearance required on the sides). Equipment for the brine circuit and brine circuit manifold must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 75ZSR

Dimplex Reversible brine-to-water heat pumps (Low temperature)		
Order reference		**SI 75ZSR**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		55 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	1 compressors: 33,30 / 2,80 2 compressors: 69,80 / 2,90
Heat output / COP at B0/W35*	kW/-	1 compressors: 35,10 / 3,80 2 compressors: 65,30 / 3,50
Cooling capacity / COP at B+10/W8*	kW/-	86,60 / 6,10
Cooling capacity / COP at B+10/W18*	kW/-	98,20 / 6,30
Electrical nominal power consumption at B0/W35	kW	18,86
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	54
Refrigerant R404A	kg	16,10
flow rate (heat source) at ext. pressure differential	m³/h / Pa	20.5 / 17800
Heating water flow rate with an int. pressure differential of	m³/h / mbar	11.50 / 7300
Dimensions (W x D x H)**	mm	1350 x 750 x 1890
Weight (incl. packing)	kg	607
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	105
Fuse	A	63
Device connections for heating		2"
Device connections for heat source		2 1/2"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 75ZSR

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible brine-to-water heat pumps	SI 75ZSR	344950	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 750	352280	1		
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	2		
Brine circuit antifreeze (200 l)	AFN 824	324610	2		
Hydraulic accessories					
Universal buffer tank (500 l)	PSW 500	339210	1		
Solar heat exchanger for universal buffer cylinder	RWT 500	339840			
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
9 kW immersion heater for back-up heating	CTHK 636	322170			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 l) with temperature sensor	WWSP 880	337880	2		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750			

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used. Domestic hot water preparation is carried out by means of a compressor at a heating water flow rate of 6.5m³/h.

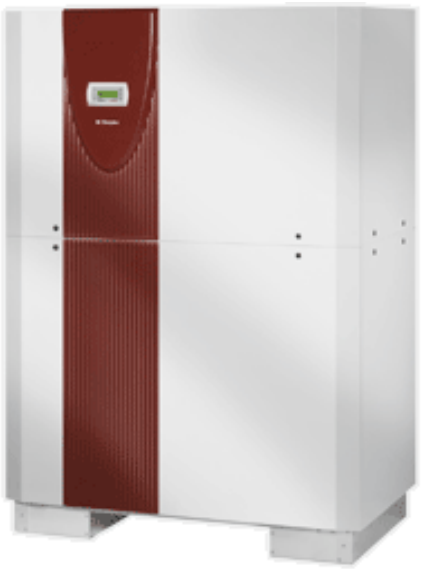
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 100TE

Brine-to-water heat pump with two performance levels

Order reference: SI 100TE

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 100TE

Dimplex Brine-to-water heat pump with two performance levels (Low temperature)		
Order reference		**SI 100TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	1 compressors: 39,10 / 2,80 2 compressors: 87,90 / 3,10
Heat output / COP at B0/W35*	kW/-	1 compressors: 48,40 / 4,60 2 compressors: 96,30 / 4,60
Electrical nominal power consumption at B0/W35	kW	20,93
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	55
Refrigerant R404A	kg	20,50
flow rate (heat source) at ext. pressure differential	m³/h / Pa	24.0 / 1860
Heating water flow rate with an int. pressure differential of	m³/h / mbar	8.50 / 600
Dimensions (W x D x H)**	mm	1350 x 775 x 1890
Weight (incl. packing)	kg	652
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	120
Fuse	A	80
Device connections for heating		2"
Device connections for heat source		3"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 100TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump with two performance levels	SI 100TE	352950	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 1000	352290	1		
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610			
Brine circuit antifreeze (200 l)	AFN 824	324610	3		
Hydraulic accessories					
Universal buffer tank (500 l)	PSW 500	339210	1		
Solar heat exchanger for universal buffer cylinder	RWT 500	339840			
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
9 kW immersion heater for back-up heating	CTHK 636	322170			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (500 l) with temperature sensor	WWSP 900	339220	2		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Accessories for passive cooling					
Passive cooling controller*	WPM PK	348190			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used. Domestic hot water preparation is carried out by means of a compressor at a heating water flow rate of 8.5m³/h.

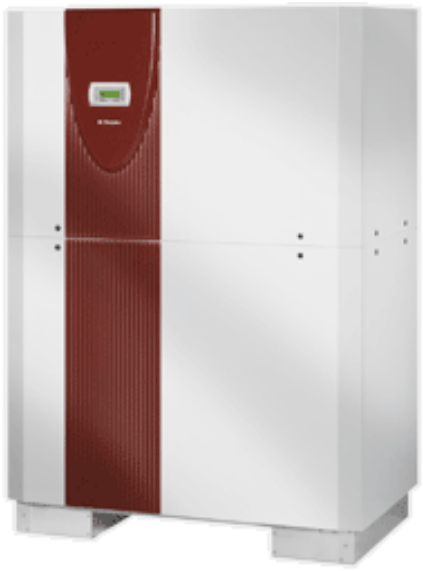
Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Data sheet SI 130TE

Brine-to-water heat pump with two performance levels

Order reference: SI 130TE

Installation location: Indoors
Flow temperature max 60 °C
Casing, powder-coated



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.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data SI 130TE

Dimplex Brine-to-water heat pump with two performance levels (Low temperature)		
Order reference		**SI 130TE**
Set-up / Colour		Indoors / White (similar to RAL 9003)
Temperature operating limits for heating water / Brine		60 °C / -5 °C
Temperature operating limits air		-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	1 compressors: 51,00 / 2,40 2 compressors: 117,00 / 2,90
Heat output / COP at B0/W35*	kW/-	1 compressors: 63,30 / 4,20 2 compressors: 125,80 / 4,30
Electrical nominal power consumption at B0/W35	kW	29,24
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	56
Refrigerant R404A	kg	27,00
flow rate (heat source) at ext. pressure differential	m³/h / Pa	34.0 / 2620
Heating water flow rate with an int. pressure differential of	m³/h / mbar	11.50 / 2200
Dimensions (W x D x H)**	mm	1350 x 775 x 1890
Weight (incl. packing)	kg	860
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	115
Fuse	A	80
Device connections for heating		2 1/2"
Device connections for heat source		3"

* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0 °C, heat outlet temperature 35 °C.
** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories SI 130TE

Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Brine-to-water heat pump with two performance levels	SI 130TE	352960	1		
Heat source accessories					
Brine package for brine-to-water heat pumps	SZB 1300	352300	1		
Brine circuit low-pressure switch	SWPR 500	337500			
Brine circuit antifreeze (20 l)	AFN 825	328610	1		
Brine circuit antifreeze (200 l)	AFN 824	324610	4		
Hydraulic accessories					
Universal buffer tank (500 l)	PSW 500	339210	2		
Solar heat exchanger for universal buffer cylinder	RWT 500	339840			
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150			
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
9 kW immersion heater for back-up heating	CTHK 636	322170			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (500 l) with temperature sensor	WWSP 900	339220	3		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Accessories for passive cooling					
Passive cooling controller*	WPM PK	348190			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220			
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch mounting frame for flush mounting*	RTK 501 U	350960			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

* Other specific accessories available / required

Notes:
The heat source accessories are designed for ground heat collectors according to the project planning documentation. The free compression must be checked if the dimensions deviate or if borehole heat exchangers are used. Domestic hot water preparation is carried out by means of a compressor at a heating water flow rate of 11.5 m³/h.

Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.