

Compact air heat pump with 90° air hose deflection

Order reference: LIK 8ME

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). The integrated air circuit with 90° deflection enables direct corner installation without air ducts, or wall installation with air ducts at the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Compact design with optimal DHW preparation and integrated components for easy connection of an unmixed heating circuit: - Expansion vessel (24 l) - Heat circulating pump (free compression 45,000 Pa) - Overflow valve and safety components - Buffer tank (50 l) - Supplementary electric heating, 2 kW (must not be used for bivalent systems). Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) and 3 flexible connecting hoses (1", 500 mm) included in the scope of supply.



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 LIK 8ME

Dimplex Compact air heat pump with 90° air hose deflection (Low temperature)

| Order reference | LIK 8ME | |
|---|-------------------|------------------|
| Set-up / Colour | Indoors / White | |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C | |
| Temperature operating limits air | -25 °C to 35 °C | |
| Heat output / COP at A-7/W35* | kW/- | 5,80 / 2,70 |
| Heat output / COP at A+2/W35* | kW/- | 7,50 / 3,30 |
| Heat output / COP at A+7/W35* | kW/- | 9,30 / 3,90 |
| Heat output / COP at A+10/W35* | kW/- | 9,80 / 4,10 |
| Electrical nominal power consumption at A+2/W35 | kW | 2,30 |
| Sound power level | db(A) | 53 |
| Sound pressure level at a distance of 1 m (air outlet side) | db(A) | 48 |
| Refrigerant R404A | kg | 2,00 |
| flow rate (heat source) at ext. pressure differential | m³/h / Pa | 20.0 / 2500 |
| Heating water flow rate with an int. pressure differential of | m³/h / mbar | 0.8 / 2700 |
| Dimensions (W x D x H)** | mm | 750 x 675 x 1900 |
| Weight (incl. packing) | kg | 245 |
| Control voltage | V | 230 |
| Supply voltage | 1/N/PE~230V, 50Hz | |
| Starting current with soft starter | A | 30 SA |
| Fuse | A | 20 |
| Defrosting / type of defrosting | Reverse cycle | |
| Device connections for heating | 1" | |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|---|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Compact air heat pump with 90° air hose deflection | LIK 8ME | 352750 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 1 | | |
| Heat source accessories | | | | | |
| Long air duct | LKL 500 | 339710 | | | |
| Short air duct | LKK 500 | 339720 | 1 | | |
| 90° air duct bend | LKB 500 | 339730 | 1 | | |
| Tool kit | VSK 500 | 341200 | | | |
| Sealing collar for air intake or air outlet | DMK 500 | 340260 | 1 | | |
| Heat pump rain guard | RSG 500 | 340220 | 1 | | |
| Hydraulic accessories | | | | | |
| 3 kW radiator | HCT 300 | 351210 | | | |
| Fan convector for heating/cooling with external thermostat* | HL 16SK | 351780 | | | |
| 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 | 1 | | |
| 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 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 | | | | | |
| 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 | | | |
| Start-up (no discount available) | | | | | |
| Heat pump (heating only) start-up | IN 01 WP | 341750 | 1 | | |

* Other specific accessories available / required

Notes:

The recommended components for the air circuit are based on wall installation with the air intake via a light well and the air outlet above ground level. Further types of installation can be found in the project planning documentation.

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.

Compact air heat pump with 90° air hose deflection

Order reference: LIK 8MER

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

Heat pump for heating and cooling for indoor installation with WPM 2007 plus integrated control and control panel that can also be used as wired remote control using a wall-mounting kit (special accessory). The integrated air circuit with 90° deflection enables direct corner installation without air ducts, or wall installation with air ducts at the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Compact design with optimal DHW preparation and integrated components for easy connection with fan connectors: - Expansion vessel (24 l) - Heat circulating pump (free compression 45,000 Pa) - Overflow valve and safety components - Buffer tank (50 l) - Supplementary electric heating, 2 kW (must not be used for bivalent systems). Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) and 3 flexible connecting hoses (1", 500 mm) included in the scope of supply.



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 LIK 8MER

Dimplex Compact air heat pump with 90° air hose deflection (Low temperature)

| Order reference | LIK 8MER | |
|---|-----------------|-------------------|
| Set-up / Colour | Indoors / White | |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C | |
| Temperature operating limits air | -25 °C to 35 °C | |
| Temperature operating limits for cooling | 15 °C / 40 °C | |
| Heat output / COP at A-7/W35* | kW/- | 5,80 / 2,00 |
| Heat output / COP at A+2/W35* | kW/- | 7,50 / 3,00 |
| Heat output / COP at A+10/W35* | kW/- | 9,80 / 4,00 |
| Cooling capacity / COP at A+27/W18* | kW/- | 9,00 / 3,00 |
| Cooling capacity / COP at A+35/W8* | kW/- | 7,00 / 2,00 |
| Electrical nominal power consumption at A+2/W35 | kW | 2,00 |
| Sound power level | db(A) | 53 |
| Sound pressure level at a distance of 1 m (air outlet side) | db(A) | 48 |
| Refrigerant R404A | kg | 3,30 |
| flow rate (heat source) at ext. pressure differential | m³/h / Pa | 20.0 / 2500 |
| Heating water flow rate with an int. pressure differential of | m³/h / mbar | 0.8 / 2700 |
| Dimensions (W x D x H)** | mm | 750 x 675 x 1900 |
| Weight (incl. packing) | kg | 250 |
| Control voltage | V | 230 |
| Supply voltage | | 1/N/PE~230V, 50Hz |
| Starting current with soft starter | A | 30 |
| Fuse | A | 20 |
| Defrosting / type of defrosting | | Reverse cycle |
| Device connections for heating | | 1" |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|---|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Compact air heat pump with 90° air hose deflection | LIK 8MER | 352790 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 1 | | |
| Heat source accessories | | | | | |
| Long air duct | LKL 500 | 339710 | | | |
| Short air duct | LKK 500 | 339720 | 1 | | |
| 90° air duct bend | LKB 500 | 339730 | 1 | | |
| Tool kit | VSK 500 | 341200 | | | |
| Sealing collar for air intake or air outlet | DMK 500 | 340260 | 1 | | |
| Heat pump rain guard | RSG 500 | 340220 | 1 | | |
| Hydraulic accessories | | | | | |
| 3 kW radiator | HCT 300 | 351210 | | | |
| 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 | | | |
| 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 | 1 | | |
| 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 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 | | | | | |
| 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) | | | | | |
| Heating/cooling on/off room temperature controller* | RTK 501 | 343080 | | | |
| 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 recommended components for the air circuit are based on wall installation with air intake via a light well and air outlet above ground level. Further types of installation can be found in the project planning documentation.

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.

Air-to-water heat pump with 90° air hose deflection

Order reference: LI 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 be used also as wired remote control using a wall-mounting kit (special accessory). The integrated air circuit with 90° deflection enables direct installation in corners without air ducts or on walls with air ducts at the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with optional DHW preparation and the possibility of flexible expansion for:

- Bivalent or bivalent-renewable operating mode
- Distribution systems with unmixed and mixed heating circuits.

Integrated switchable supplementary heating (2/4/6 kW), soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.

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 LI 9TE

Dimplex Air-to-water heat pump with 90° air hose deflection (Low temperature)

| Order reference | LI 9TE |
|---|---------------------|
| Set-up / Colour | Indoors / White |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C |
| Temperature operating limits air | -25 °C to 35 °C |
| Heat output / COP at A-7/W35* | 5,80 / 2,70 |
| Heat output / COP at A+2/W35* | 7,50 / 3,30 |
| Heat output / COP at A+7/W35* | 9,30 / 3,90 |
| Heat output / COP at A+10/W35* | 9,80 / 4,10 |
| Electrical nominal power consumption at A+2/W35 | 2,30 |
| Sound power level | 53 |
| Sound pressure level at a distance of 1 m (air outlet side) | 48 |
| Refrigerant R404A | 1,90 |
| flow rate (heat source) at ext. pressure differential | 20.0 / 2500 |
| Heating water flow rate with an int. pressure differential of | 0.8 / 2700 |
| Dimensions (W x D x H)** | 750 x 650 x 1250 |
| Weight (incl. packing) | 177 |
| Control voltage | 230 |
| Supply voltage | 3/N/PE-400 V, 50 Hz |
| Starting current with soft starter | 19,5 |
| Fuse | 16 |
| Defrosting / type of defrosting | Reverse cycle |
| Device connections for heating | 1" |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|---|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Air-to-water heat pump with 90° air hose deflection | LI 9TE | 352610 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 1 | | |
| Heat source accessories | | | | | |
| Long air duct | LKL 500 | 339710 | | | |
| Short air duct | LKK 500 | 339720 | 2 | | |
| 90° air duct bend | LKB 500 | 339730 | | | |
| Tool kit | VSK 500 | 341200 | | | |
| Sealing collar for air intake or air outlet | DMK 500 | 340260 | 2 | | |
| Heat pump rain guard | RSG 500 | 340220 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 100 | 340320 | 1 | | |
| Floor-mounted buffer tank (200 l)* | PSW 200 | 339830 | | | |
| Universal buffer tank (500 l)* | PSW 500 | 339210 | | | |
| 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 | | | |
| 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 | | | |
| 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 | | | |
| 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 | | | |
| 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 | | | |
| Start-up (no discount available) | | | | | |
| Heat pump (heating only) start-up | IN 01 WP | 341750 | 1 | | |

* Other specific accessories available / required

Notes:

The recommended components for the air circuit are based on installation against a wall with the air intake via a light well and the air outlet installed above ground level. Further types of installation can be found in the project planning documentation.

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.

Air-to-water heat pump with horizontal air circuit

Order reference: LI 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). The integrated air circuit enables corner or wall installation with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with optional DHW preparation and the option of flexible expansion for: - Bivalent or bivalent-renewable operating mode - Distribution systems with unmixed and mixed heating circuits. Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.

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 LI 11ME

Dimplex Air-to-water heat pump with horizontal air circuit (Low temperature)

| Order reference | LI 11ME | |
|---|--------------------------|------------------|
| Set-up / Colour | Indoors / White | |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C | |
| Temperature operating limits air | -25 °C to 35 °C | |
| Heat output / COP at A-7/W35* | kW/- | 7,60 / 2,90 |
| Heat output / COP at A+2/W35* | kW/- | 9,10 / 3,40 |
| Heat output / COP at A+7/W35* | kW/- | 10,90 / 4,10 |
| Heat output / COP at A+10/W35* | kW/- | 12,00 / 4,60 |
| Electrical nominal power consumption at A+2/W35 | kW | 2,65 |
| Sound power level | db(A) | 55 |
| Sound pressure level at a distance of 1 m (air outlet side) | db(A) | 50 |
| Refrigerant R404A | kg | 2,50 |
| flow rate (heat source) at ext. pressure differential | m ³ /h / Pa | 25.0 / 2500 |
| Heating water flow rate with an int. pressure differential of | m ³ /h / mbar | 1.0 / 3000 |
| Dimensions (W x D x H)** | mm | 750 x 875 x 1360 |
| Weight (incl. packing) | kg | 200 |
| Control voltage | V | 230 |
| Supply voltage | 1/N/PE~230V, 50Hz | |
| Starting current with soft starter | A | 38 SA |
| Fuse | A | 25 |
| Defrosting / type of defrosting | Reverse cycle | |
| Device connections for heating | 1 1/4" | |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Air-to-water heat pump with horizontal air circuit | LI 11ME | 352760 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 2 | | |
| Heat source accessories | | | | | |
| Air duct hose set | LUS 11 | 337390 | | | |
| Long air duct | LKL 600 | 339740 | 1 | | |
| Short air duct | LKK 600 | 339750 | | | |
| 90° air duct bend | LKB 600 | 339760 | 1 | | |
| Sealing collar for air intake and air outlet | DMK 600 | 340270 | 1 | | |
| Heat pump rain guard | RSG 600 | 340230 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 100 | 340320 | 1 | | |
| Built-under buffer tank (140 l) for LI 11-20* | PSP 140E | 353970 | | | |
| Floor-mounted buffer tank (200 l)* | PSW 200 | 339830 | | | |
| Built-under buffer tank (140 l) | PSP 890 | 337890 | 1 | | |
| 2 kW immersion heater for back-up heating | CTHK 631 | 336180 | 2 | | |
| 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 | | | |
| 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 | | | |
| 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 | | | |
| Combi cylinder for heating and domestic hot water preparation with central flow* | PWD 750 | 349100 | | | |
| 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 | | | |
| Start-up (no discount available) | | | | | |
| Heat pump (heating only) start-up | IN 01 WP | 341750 | 1 | | |

* Other specific accessories available / required

Notes:
The recommended components for the air circuit are based on corner installation with air intake via a light well and air outlet above ground level. Further types of installation can be found in the project planning documentation.

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.

Reversible air-to-water heat pump

Order reference: LI 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 also be used as wired remote control using a wall-mounting kit (special accessory). The integrated air circuit enables corner or wall installation with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Option of flexible expansion for: - Bivalent operating mode - Combined distribution systems for heating and cooling - Unmixed and mixed heating and cooling circuits. Silent cooling via panel heating/cooling systems requires the use of the room climate control station (special accessory) to regulate the flow temperature on the basis of the air temperature and humidity of a reference room. Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.



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 LI 11MER

Dimplex Reversible air-to-water heat pump (Low temperature)

| Order reference | LI 11MER | |
|---|-----------------|-------------------|
| Set-up / Colour | Indoors / White | |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C | |
| Temperature operating limits air | -25 °C to 35 °C | |
| Temperature operating limits for cooling | 15 °C / 40 °C | |
| Heat output / COP at A-7/W35* | kW/- | 7,50 / 2,00 |
| Heat output / COP at A+2/W35* | kW/- | 8,90 / 3,00 |
| Heat output / COP at A+10/W35* | kW/- | 12,10 / 4,00 |
| Cooling capacity / COP at A+27/W18* | kW/- | 10,00 / 3,00 |
| Cooling capacity / COP at A+35/W8* | kW/- | 7,00 / 2,00 |
| Electrical nominal power consumption at A+2/W35 | kW | 2,00 |
| Sound power level | db(A) | 55 |
| Refrigerant R404A | kg | 3,60 |
| flow rate (heat source) at ext. pressure differential | m³/h / Pa | 25.0 / 2500 |
| Heating water flow rate with an int. pressure differential of | m³/h / mbar | 1.0 / 3000 |
| Dimensions (W x D x H)** | mm | 750 x 875 x 1360 |
| Weight (incl. packing) | kg | 205 |
| Control voltage | V | 230 |
| Supply voltage | | 1/N/PE~230V, 50Hz |
| Starting current with soft starter | A | 38 |
| Fuse | A | 25 |
| Defrosting / type of defrosting | | Reverse cycle |
| Device connections for heating | | 1 1/4" |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Reversible air-to-water heat pump | LI 11MER | 352800 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 2 | | |
| Heat source accessories | | | | | |
| Air duct hose set | LUS 11 | 337390 | | | |
| Long air duct | LKL 600 | 339740 | 1 | | |
| Short air duct | LKK 600 | 339750 | | | |
| 90° air duct bend | LKB 600 | 339760 | 1 | | |
| Tool kit | VSK 600 | 341210 | | | |
| Sealing collar for air intake and air outlet | DMK 600 | 340270 | 1 | | |
| Heat pump rain guard | RSG 600 | 340230 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 100 | 340320 | | | |
| Built-under buffer tank (140 l) for LI 11-20* | PSP 140E | 353970 | | | |
| Floor-mounted buffer tank (200 l)* | PSW 200 | 339830 | | | |
| Built-under buffer tank (140 l) | PSP 890 | 337890 | 1 | | |
| 2 kW immersion heater for back-up heating | CTHK 631 | 336180 | 2 | | |
| 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 | | | |
| 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 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 | | | |
| 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 | | | |
| Control accessories | | | | | |
| 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) | | | | | |

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| 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 recommended components for the air circuit are based on corner installation with air intake via a light well and air outlet above ground level. Further types of installation can be found in the project planning documentation. Room climate control station and mixer module 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.

Air-to-water heat pump with horizontal air circuit

Order reference: LI 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). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with optional DHW preparation and the possibility of flexible expansion for:

- Bivalent or bivalent-renewable operating mode
- Distribution systems with unmixed and mixed heating circuits.

Integrated switchable supplementary heating (2/4/6 kW), soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.

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 LI 11TE

Dimplex Air-to-water heat pump with horizontal air circuit (Low temperature)

| Order reference | LI 11TE | |
|---|-----------------|---------------------|
| Set-up / Colour | Indoors / White | |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C | |
| Temperature operating limits air | -25 °C to 35 °C | |
| Heat output / COP at A-7/W35* | kW/- | 7,10 / 2,90 |
| Heat output / COP at A+2/W35* | kW/- | 8,80 / 3,20 |
| Heat output / COP at A+7/W35* | kW/- | 11,30 / 3,80 |
| Heat output / COP at A+10/W35* | kW/- | 12,20 / 4,10 |
| Electrical nominal power consumption at A+2/W35 | kW | 2,74 |
| Sound power level | db(A) | 55 |
| Sound pressure level at a distance of 1 m (air outlet side) | db(A) | 50 |
| Refrigerant R404A | kg | 2,50 |
| flow rate (heat source) at ext. pressure differential | m³/h / Pa | 25.0 / 2500 |
| Heating water flow rate with an int. pressure differential of | m³/h / mbar | 1.0 / 3000 |
| Dimensions (W x D x H)** | mm | 750 x 875 x 1360 |
| Weight (incl. packing) | kg | 200 |
| Control voltage | V | 230 |
| Supply voltage | | 3/N/PE-400 V, 50 Hz |
| Starting current with soft starter | A | 23 |
| Fuse | A | 16 |
| Defrosting / type of defrosting | | Reverse cycle |
| Device connections for heating | | 1 1/4" |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Air-to-water heat pump with horizontal air circuit | LI 11TE | 352630 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 2 | | |
| Heat source accessories | | | | | |
| Air duct hose set | LUS 11 | 337390 | | | |
| Long air duct | LKL 600 | 339740 | 1 | | |
| Short air duct | LKK 600 | 339750 | | | |
| 90° air duct bend | LKB 600 | 339760 | 1 | | |
| Tool kit | VSK 600 | 341210 | | | |
| Sealing collar for air intake and air outlet | DMK 600 | 340270 | 1 | | |
| Heat pump rain guard | RSG 600 | 340230 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 110 | 340330 | 1 | | |
| Built-under buffer tank (140 l) for LI 11-20 | PSP 140E | 353970 | 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 | | | |
| 9 kW immersion heater for back-up heating | CTHK 636 | 322170 | | | |
| Floor-mounted buffer tank (200 l)* | PSW 200 | 339830 | | | |
| Universal buffer tank (500 l)* | PSW 500 | 339210 | | | |
| 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 | | | |
| 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 | 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 (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 | | | |
| Combi cylinder for heating and domestic hot water preparation with central flow* | PWD 750 | 349100 | | | |
| 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 | | | |
| Start-up (no discount available) | | | | | |
| Heat pump (heating only) start-up | IN 01 WP | 341750 | 1 | | |

* Other specific accessories available / required

Notes:

The recommended components for the air circuit are based on installation in a corner with the air intake via a light well and the air outlet installed above ground level. Further types of installation can be found in the project planning documentation.

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.

Reversible air-to-water heat pump with waste heat recovery

Order reference: LI 11TER+

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). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Reversible design with additional heat exchanger for higher DHW temperatures in heating operation and waste heat recovery in cooling operation. Possibility of flexible expansion for:

- Bivalent operating mode
- Combined distribution systems for heating and cooling
- Unmixed and mixed heating and cooling circuits.

Silent cooling via panel heating/cooling systems requires the use of the room climate control station (special accessory) to regulate the flow temperature on the basis of the air temperature and humidity of a reference room. Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.

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 LI 11TER+

Dimplex Reversible air-to-water heat pump with waste heat recovery (Low temperature)

| Order reference | LI 11TER+ | |
|---|--------------------------|------------------|
| Set-up / Colour | Indoors / White | |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C | |
| Temperature operating limits air | -25 °C to 35 °C | |
| Temperature operating limits for cooling | 15 °C / 40 °C | |
| Heat output / COP at A-7/W35* | kW/- | 7,10 / 2,90 |
| Heat output / COP at A+2/W35* | kW/- | 8,80 / 3,20 |
| Heat output / COP at A+7/W35* | kW/- | 11,30 / 3,80 |
| Heat output / COP at A+10/W35* | kW/- | 12,20 / 4,10 |
| Cooling capacity / COP at A+27/W18* | kW/- | 10,90 / 3,30 |
| Cooling capacity / COP at A+35/W8* | kW/- | 7,80 / 2,20 |
| Electrical nominal power consumption at A+2/W35 | kW | 2,00 |
| Sound power level | db(A) | 55 |
| Refrigerant R404A | kg | 5,90 |
| flow rate (heat source) at ext. pressure differential | m ³ /h / Pa | 25.0 / 2500 |
| Heating water flow rate with an int. pressure differential of | m ³ /h / mbar | 1.0 / 3000 |
| Dimensions (W x D x H)** | mm | 750 x 850 x 1360 |
| Weight (incl. packing) | kg | 222 |
| Control voltage | V | 230 |
| Supply voltage | 3/PE~400V, 50 Hz | |
| Starting current with soft starter | A | 23 |
| Fuse | A | 16 |
| Defrosting / type of defrosting | Reverse cycle | |
| Device connections for heating | 1 1/4" | |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|---|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Reversible air-to-water heat pump with waste heat recovery | LI 11TER+ | 352770 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 2 | | |
| Heat source accessories | | | | | |
| Air duct hose set | LUS 11 | 337390 | | | |
| Long air duct | LKL 600 | 339740 | 1 | | |
| Short air duct | LKK 600 | 339750 | | | |
| 90° air duct bend | LKB 600 | 339760 | 1 | | |
| Tool kit | VSK 700 | 341220 | | | |
| Sealing collar for air intake and air outlet | DMK 600 | 340270 | 1 | | |
| Heat pump rain guard | RSG 600 | 340230 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 110 | 340330 | | | |
| Built-under buffer tank (140 l) for LI 11-20 | PSP 140E | 353970 | 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 | 1 | | |
| 7.5 kW immersion heater for back-up heating | CTHK 635 | 322160 | | | |
| 9 kW immersion heater for back-up heating | CTHK 636 | 322170 | | | |
| 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 | 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 | | | |
| 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 | | | |
| 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 (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 | | | |
| 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 | | | | | |
| Heat pump manager remote control* | FWPM 470 | 337470 | | | |

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| 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 recommended components for the air circuit are based on installation in a corner with the air intake via a light well and the air outlet installed above ground level. Further types of installation can be found in the project planning documentation. Room climate control station and mixer module 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.

Air-to-water heat pump with horizontal air circuit

Order reference: LI 16TE

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). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with optional DHW preparation and the possibility of flexible expansion for:

- Bivalent or bivalent-renewable operating mode
- Distribution systems with unmixed and mixed heating circuits.

Integrated switchable supplementary heating (2/4/6 kW), soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.

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 LI 16TE

Dimplex Air-to-water heat pump with horizontal air circuit (Low temperature)

| Order reference | LI 16TE | |
|---|-----------------|---------------------|
| Set-up / Colour | Indoors / White | |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C | |
| Temperature operating limits air | -25 °C to 35 °C | |
| Heat output / COP at A-7/W35* | kW/- | 9,80 / 2,60 |
| Heat output / COP at A+2/W35* | kW/- | 12,20 / 3,20 |
| Heat output / COP at A+7/W35* | kW/- | 15,40 / 3,70 |
| Heat output / COP at A+10/W35* | kW/- | 16,10 / 3,80 |
| Electrical nominal power consumption at A+2/W35 | kW | 3,81 |
| Sound power level | db(A) | 57 |
| Sound pressure level at a distance of 1 m (air outlet side) | db(A) | 52 |
| Refrigerant R404A | kg | 3,10 |
| flow rate (heat source) at ext. pressure differential | m³/h / Pa | 25.0 / 4000 |
| Heating water flow rate with an int. pressure differential of | m³/h / mbar | 1.4 / 4500 |
| Dimensions (W x D x H)** | mm | 750 x 875 x 1570 |
| Weight (incl. packing) | kg | 235 |
| Control voltage | V | 230 |
| Supply voltage | | 3/N/PE-400 V, 50 Hz |
| Starting current with soft starter | A | 25 |
| Fuse | A | 20 |
| Defrosting / type of defrosting | | Reverse cycle |
| Device connections for heating | | 1 1/4" |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Air-to-water heat pump with horizontal air circuit | LI 16TE | 352650 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 2 | | |
| Heat source accessories | | | | | |
| Air duct hose set | LUS 16 | 337400 | | | |
| Long air duct | LKL 700 | 339770 | 1 | | |
| Short air duct | LKK 700 | 339780 | | | |
| 90° air duct bend | LKB 700 | 339790 | 1 | | |
| Tool kit | VSK 700 | 341220 | | | |
| Sealing collar for air intake and air outlet | DMK 700 | 340280 | 1 | | |
| Heat pump rain guard | RSG 700 | 340240 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 110 | 340330 | 1 | | |
| Built-under buffer tank (140 l) for LI 11-20 | PSP 140E | 353970 | 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 | | | |
| 9 kW immersion heater for back-up heating | CTHK 636 | 322170 | | | |
| 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 | 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 (300 l) with temperature sensor* | WWSP 332 | 346610 | | | |
| Hot water cylinder (400 l) with temperature sensor | WWSP 880 | 337880 | 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 | | | |
| 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 | | | |
| 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 | | | |
| 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 | | | |

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

* Other specific accessories available / required

Notes:
The recommended components for the air circuit are based on installation in a corner with the air intake via a light well and the air outlet installed above ground level. Further types of installation can be found in the project planning documentation.

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.

Reversible air-to-water heat pump with waste heat recovery

Order reference: LI 16TER+

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). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Reversible design with additional heat exchanger for higher DHW temperatures in heating operation and waste heat recovery in cooling operation. Possibility of flexible expansion for:

- Bivalent operating mode
- Combined distribution systems for heating and cooling
- Unmixed and mixed heating and cooling circuits.

Silent cooling via panel heating/cooling systems requires the use of the room climate control station (special accessory) to regulate the flow temperature on the basis of the air temperature and humidity of a reference room. Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.

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 LI 16TER+

Dimplex Reversible air-to-water heat pump with waste heat recovery (Low temperature)

| Order reference | LI 16TER+ | |
|---|--------------------------|------------------|
| Set-up / Colour | Indoors / White | |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C | |
| Temperature operating limits air | -25 °C to 35 °C | |
| Temperature operating limits for cooling | 15 °C / 40 °C | |
| Heat output / COP at A-7/W35* | kW/- | 10,60 / 3,00 |
| Heat output / COP at A+2/W35* | kW/- | 12,80 / 3,40 |
| Heat output / COP at A+7/W35* | kW/- | 15,10 / 3,80 |
| Heat output / COP at A+10/W35* | kW/- | 16,70 / 4,10 |
| Cooling capacity / COP at A+27/W18* | kW/- | 16,40 / 2,80 |
| Cooling capacity / COP at A+35/W8* | kW/- | 11,10 / 2,10 |
| Electrical nominal power consumption at A+2/W35 | kW | 3,80 |
| Sound power level | db(A) | 57 |
| Refrigerant R404A | kg | 5,70 |
| flow rate (heat source) at ext. pressure differential | m ³ /h / Pa | 25.0 / 4000 |
| Heating water flow rate with an int. pressure differential of | m ³ /h / mbar | 1.4 / 4500 |
| Dimensions (W x D x H)** | mm | 750 x 875 x 1570 |
| Weight (incl. packing) | kg | 260 |
| Control voltage | V | 230 |
| Supply voltage | 3/PE~400V, 50 Hz | |
| Starting current with soft starter | A | 25 |
| Fuse | A | 20 |
| Defrosting / type of defrosting | Reverse cycle | |
| Device connections for heating | 1 1/4" | |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Reversible air-to-water heat pump with waste heat recovery | LI 16TER+ | 352780 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 2 | | |
| Heat source accessories | | | | | |
| Air duct hose set | LUS 16 | 337400 | | | |
| Long air duct | LKL 700 | 339770 | 1 | | |
| Short air duct | LKK 700 | 339780 | | | |
| 90° air duct bend | LKB 700 | 339790 | 1 | | |
| Tool kit | VSK 700 | 341220 | | | |
| Sealing collar for air intake and air outlet | DMK 700 | 340280 | 1 | | |
| Heat pump rain guard | RSG 700 | 340240 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 100 | 340320 | | | |
| Built-under buffer tank (140 l) for LI 11-20 | PSP 140E | 353970 | 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 | 1 | | |
| 7.5 kW immersion heater for back-up heating | CTHK 635 | 322160 | | | |
| 9 kW immersion heater for back-up heating | CTHK 636 | 322170 | | | |
| Floor-mounted buffer tank (200 l)* | PSW 200 | 339830 | | | |
| Built-under buffer tank (140 l)* | PSP 890 | 337890 | | | |
| 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 | | | |
| 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 | | | |
| Hot water cylinder (400 l) with temperature sensor | WWSP 880 | 337880 | 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 | | | |
| Design hot water cylinder (400 l) with temperature sensor* | WWSP 400 K | 342080 | | | |
| 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 80 | 340310 | 1 | | |
| Combi cylinder for heating and domestic hot water preparation with central flow* | PWD 750 | 349100 | | | |
| Control accessories | | | | | |
| Heat pump manager remote control* | FWPM 470 | 337470 | | | |

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| 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 | | | |
| 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 recommended components for the air circuit are based on installation in a corner with the air intake via a light well and the air outlet installed above ground level. Further types of installation can be found in the project planning documentation. Room climate control station and mixer module 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.

Air-to-water heat pump with two performance levels

Order reference: LI 20TE

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). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with two compressors for flexible capacity, optional DHW preparation and the possibility of flexible expansion for:

- Bivalent and bivalent-renewable operating mode
- Distribution systems with unmixed and mixed heating circuits.

Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.

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 LI 20TE

Dimplex Air-to-water heat pump with two performance levels (Low temperature)

| Order reference | LI 20TE | |
|---|--------------------------|--|
| Set-up / Colour | Indoors / White | |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C | |
| Temperature operating limits air | -25 °C to 35 °C | |
| Heat output / COP at A-7/W35* | kW/- | 1 compressors: 7,00 / 2,50 2 compressors: 12,40 / 2,70 |
| Heat output / COP at A+2/W35* | kW/- | 1 compressors: 9,30 / 3,20 2 compressors: 14,90 / 3,10 |
| Heat output / COP at A+7/W35* | kW/- | 1 compressors: 9,80 / 3,20 2 compressors: 16,60 / 3,10 |
| Heat output / COP at A+10/W35* | kW/- | 1 compressors: 10,30 / 3,30 2 compressors: 17,80 / 3,30 |
| Electrical nominal power consumption at A+2/W35 | kW | 4,90 |
| Sound power level | db(A) | 58 |
| Sound pressure level at a distance of 1 m (air outlet side) | db(A) | 54 |
| Refrigerant R404A | kg | 3,70 |
| flow rate (heat source) at ext. pressure differential | m ³ /h / Pa | 5.0 / 5500 |
| Heating water flow rate with an int. pressure differential of | m ³ /h / mbar | 1.8 / 6500 |
| Dimensions (W x D x H)** | mm | 750 x 875 x 1570 |
| Weight (incl. packing) | kg | 255 |
| Control voltage | V | 230 |
| Supply voltage | | 3/PE~400V, 50 Hz |
| Starting current with soft starter | A | 23 |
| Fuse | A | 20 |
| Defrosting / type of defrosting | | Reverse cycle |
| Device connections for heating | | 1 1/4" |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Air-to-water heat pump with two performance levels | LI 20TE | 352670 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 2 | | |
| Heat source accessories | | | | | |
| Long air duct | LKL 700 | 339770 | 1 | | |
| Short air duct | LKK 700 | 339780 | | | |
| 90° air duct bend | LKB 700 | 339790 | 1 | | |
| Tool kit | VSK 700 | 341220 | | | |
| Sealing collar for air intake and air outlet | DMK 700 | 340280 | 1 | | |
| Heat pump rain guard | RSG 700 | 340240 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 110 | 340330 | 1 | | |
| Built-under buffer tank (140 l) for LI 11-20 | PSP 140E | 353970 | 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 | 2 | | |
| 7.5 kW immersion heater for back-up heating | CTHK 635 | 322160 | | | |
| 9 kW immersion heater for back-up heating | CTHK 636 | 322170 | | | |
| 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 | 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 (300 l) with temperature sensor | WWSP 332 | 346610 | 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 (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 | | | |
| Combi cylinder for heating and domestic hot water preparation with central flow* | PWD 750 | 349100 | | | |
| 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 | | | |
| Start-up (no discount available) | | | | | |

| Description | Order ref. | Article number | Sample item | Item | Price |
|-----------------------------------|------------|----------------|-------------|------|-------|
| Heat pump (heating only) start-up | IN 01 WP | 341750 | 1 | | |

* Other specific accessories available / required

Notes:

The recommended components for the air circuit are based on installation in a corner with the air intake via a light well and the air outlet installed above ground level. Further types of installation can be found in the project planning documentation.

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.

High-temperature air-to-water heat pump

Order reference: LIH 22TE

Installation location: Indoors
 Flow temperature max 75 °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). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with low-temperature and high-temperature level, optional DHW preparation and the possibility of flexible expansion for:

- Bivalent and bivalent-renewable operating mode
- Distribution systems with unmixed and mixed heating circuits.

Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.

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 LIH 22TE

| Dimplex High-temperature air-to-water heat pump (High temperature) | |
|--|------------------------|
| Order reference | LIH 22TE |
| Set-up / Colour | Indoors / White |
| Temperature operating limits for heating water / Air | 75 °C / -25 °C |
| Temperature operating limits air | -25 °C to 35 °C |
| Heat output / COP at A-7/W35* | 11,00 / 2,60 |
| Heat output / COP at A+2/W35* | 13,60 / 3,10 |
| Heat output / COP at A+7/W35* | 15,40 / 3,40 |
| Heat output / COP at A+10/W35* | 16,50 / 3,50 |
| Electrical nominal power consumption at A+2/W35 | kW 4,40 |
| Refrigerant R404A / R134a | kg 3,30 |
| flow rate (heat source) at ext. pressure differential | m³/h / Pa 25.0 / 8000 |
| Heating water flow rate with an int. pressure differential of | m³/h / mbar 1.8 / 3000 |
| Dimensions (W x D x H)** | mm 750 x 1025 x 1710 |
| Weight (incl. packing) | kg 370 |
| Control voltage | V 230 |
| Supply voltage | 3/PE~400V, 50 Hz |
| Starting current with soft starter | A 25 |
| Fuse | A 25 |
| Defrosting / type of defrosting | Reverse cycle |
| Device connections for heating | 1 1/4" |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| High-temperature air-to-water heat pump | LIH 22TE | 352730 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 2 | | |
| Heat source accessories | | | | | |
| Long air duct | LKL 800 | 339800 | 1 | | |
| Short air duct | LKK 800 | 339810 | | | |
| 90° air duct bend | LKB 800 | 339820 | 1 | | |
| Tool kit | VSK 800 | 341230 | | | |
| Sealing collar for air intake and air outlet | DMK 800 | 340290 | 1 | | |
| Heat pump rain guard | RSG 800 | 340250 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 110 | 340330 | 1 | | |
| 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 | 1 | | |
| 6 kW immersion heater for back-up heating | CTHK 634 | 322150 | 1 | | |
| 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 | | | |
| 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 | | | |
| 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 | | | |
| 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 | | | |
| 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 | | | |
| Start-up (no discount available) | | | | | |
| Heat pump (heating only) start-up | IN 01 WP | 341750 | 1 | | |

* Other specific accessories available / required

Notes:

The recommended components for the air circuit are based on installation in a corner with the air intake via a light well and the air outlet installed above ground level. Further types of installation can be found in the project planning documentation.

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.

Air-to-water heat pump with two performance levels

Order reference: LI 24TE

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). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with two compressors for flexible capacity, optional DHW preparation and the possibility of flexible expansion for:

- Bivalent and bivalent-renewable operating mode
- Distribution systems with unmixed and mixed heating circuits.

Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.

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 LI 24TE

Dimplex Air-to-water heat pump with two performance levels (Low temperature)

| Order reference | LI 24TE | |
|---|--------------------------|--|
| Set-up / Colour | Indoors / White | |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C | |
| Temperature operating limits air | -25 °C to 35 °C | |
| Heat output / COP at A-7/W35* | kW/- | 1 compressors: 8,90 / 2,60 2 compressors: 16,10 / 2,70 |
| Heat output / COP at A+2/W35* | kW/- | 1 compressors: 10,90 / 3,00 2 compressors: 19,20 / 3,20 |
| Heat output / COP at A+7/W35* | kW/- | 1 compressors: 13,10 / 3,40 2 compressors: 24,80 / 3,60 |
| Heat output / COP at A+10/W35* | kW/- | 1 compressors: 14,10 / 3,50 2 compressors: 26,60 / 3,80 |
| Electrical nominal power consumption at A+2/W35 | kW | 6,10 |
| Sound power level | db(A) | 62 |
| Sound pressure level at a distance of 1 m (air outlet side) | db(A) | 58 |
| Refrigerant R404A | kg | 4,20 |
| flow rate (heat source) at ext. pressure differential | m ³ /h / Pa | 25.0 / 8000 |
| Heating water flow rate with an int. pressure differential of | m ³ /h / mbar | 2.3 / 5900 |
| Dimensions (W x D x H)** | mm | 750 x 1025 x 1710 |
| Weight (incl. packing) | kg | 310 |
| Control voltage | V | 230 |
| Supply voltage | | 3/PE~400V, 50 Hz |
| Starting current with soft starter | A | 24 |
| Fuse | A | 25 |
| Defrosting / type of defrosting | | Reverse cycle |
| Device connections for heating | | 1 1/4" |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Air-to-water heat pump with two performance levels | LI 24TE | 352690 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 2 | | |
| Heat source accessories | | | | | |
| Long air duct | LKL 800 | 339800 | 1 | | |
| Short air duct | LKK 800 | 339810 | | | |
| 90° air duct bend | LKB 800 | 339820 | 1 | | |
| Tool kit | VSK 800 | 341230 | | | |
| Sealing collar for air intake and air outlet | DMK 800 | 340290 | 1 | | |
| Heat pump rain guard | RSG 800 | 340250 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 110 | 340330 | 1 | | |
| 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 | 2 | | |
| Universal buffer tank (500 l)* | PSW 500 | 339210 | | | |
| Immersion heater pipe assembly* | HDLR 450 | 337450 | | | |
| 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 | 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 | | | |
| 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 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 | | | |
| 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 | | | |
| Start-up (no discount available) | | | | | |
| Heat pump (heating only) start-up | IN 01 WP | 341750 | 1 | | |

* Other specific accessories available / required

Notes:

The recommended components for the air circuit are based on installation in a corner with the air intake via a light well and the air outlet installed above ground level. Further types of installation can be found in the project planning documentation.

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.

High-temperature air-to-water heat pump

Order reference: LIH 26TE

Installation location: Indoors
 Flow temperature max 75 °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). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with low-temperature and high-temperature level, optional DHW preparation and the possibility of flexible expansion for:

- Bivalent and bivalent-renewable operating mode
- Distribution systems with unmixed and mixed heating circuits.

Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.

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 LIH 26TE

| Dimplex High-temperature air-to-water heat pump (High temperature) | |
|--|-------------------------------------|
| Order reference | LIH 26TE |
| Set-up / Colour | Indoors / White |
| Temperature operating limits for heating water / Air | 75 °C / -25 °C |
| Temperature operating limits air | -25 °C to 35 °C |
| Heat output / COP at A-7/W35* | 13,00 / 2,80 |
| Heat output / COP at A+2/W35* | 15,90 / 3,20 |
| Heat output / COP at A+7/W35* | 19,80 / 3,80 |
| Heat output / COP at A+10/W35* | 20,40 / 3,90 |
| Electrical nominal power consumption at A+2/W35 | 5,00 |
| Refrigerant R404A / R134a | kg 3,70 |
| flow rate (heat source) at ext. pressure differential | m ³ /h / Pa 25.0 / 8000 |
| Heating water flow rate with an int. pressure differential of | m ³ /h / mbar 1.8 / 3000 |
| Dimensions (W x D x H)** | mm 750 x 1025 x 1710 |
| Weight (incl. packing) | kg 377 |
| Control voltage | V 230 |
| Supply voltage | 3/PE~400V, 50 Hz |
| Starting current with soft starter | A 30 |
| Fuse | A 25 |
| Defrosting / type of defrosting | Reverse cycle |
| Device connections for heating | 1 1/4" |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| High-temperature air-to-water heat pump | LIH 26TE | 352740 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 2 | | |
| Heat source accessories | | | | | |
| Long air duct | LKL 800 | 339800 | 1 | | |
| Short air duct | LKK 800 | 339810 | | | |
| 90° air duct bend | LKB 800 | 339820 | 1 | | |
| Tool kit | VSK 800 | 341230 | | | |
| Sealing collar for air intake and air outlet | DMK 800 | 340290 | 1 | | |
| Heat pump rain guard | RSG 800 | 340250 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 110 | 340330 | 1 | | |
| 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 | 1 | | |
| 6 kW immersion heater for back-up heating | CTHK 634 | 322150 | 1 | | |
| 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 | | | |
| 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 60 | 340300 | | | |
| 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 | | | |
| 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 | | | |
| Start-up (no discount available) | | | | | |
| Heat pump (heating only) start-up | IN 01 WP | 341750 | 1 | | |

* Other specific accessories available / required

Notes:

The recommended components for the air circuit are based on installation in a corner with the air intake via a light well and the air outlet installed above ground level. Further types of installation can be found in the project planning documentation.

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

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.

Air-to-water heat pump with two performance levels

Order reference: LI 28TE

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). The integrated air circuit enables installation in corners or on walls with air ducts at the air intake and the air outlet side; sound-optimised through low-noise axial-flow fan; energy-efficient defrosting by reverse circulation. Universal design with two compressors for flexible capacity, optional DHW preparation and the possibility of flexible expansion for:

- Bivalent and bivalent-renewable operating mode
- Distribution systems with unmixed and mixed heating circuits.

Integrated soft starter, flow and return flow sensors; external sensor (standard NTC-2) included in the scope of supply.

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 LI 28TE

Dimplex Air-to-water heat pump with two performance levels (Low temperature)

| Order reference | LI 28TE | |
|---|--------------------------|--|
| Set-up / Colour | Indoors / White | |
| Temperature operating limits for heating water / Air | 58 °C / -25 °C | |
| Temperature operating limits air | -25 °C to 35 °C | |
| Heat output / COP at A-7/W35* | kW/- | 1 compressors: 9,90 / 2,40 2 compressors: 19,10 / 2,70 |
| Heat output / COP at A+2/W35* | kW/- | 1 compressors: 12,80 / 3,00 2 compressors: 22,30 / 3,00 |
| Heat output / COP at A+7/W35* | kW/- | 1 compressors: 14,20 / 3,10 2 compressors: 25,80 / 3,40 |
| Heat output / COP at A+10/W35* | kW/- | 1 compressors: 14,70 / 3,10 2 compressors: 29,10 / 3,60 |
| Electrical nominal power consumption at A+2/W35 | kW | 7,40 |
| Sound power level | db(A) | 62 |
| Sound pressure level at a distance of 1 m (air outlet side) | db(A) | 58 |
| Refrigerant R404A | kg | 4,00 |
| flow rate (heat source) at ext. pressure differential | m ³ /h / Pa | 25.0 / 8000 |
| Heating water flow rate with an int. pressure differential of | m ³ /h / mbar | 2.3 / 5900 |
| Dimensions (W x D x H)** | mm | 750 x 1025 x 1710 |
| Weight (incl. packing) | kg | 314 |
| Control voltage | V | 230 |
| Supply voltage | | 3/PE~400V, 50 Hz |
| Starting current with soft starter | A | 25 |
| Fuse | A | 25 |
| Defrosting / type of defrosting | | Reverse cycle |
| Device connections for heating | | 1 1/4" |

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

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

| Description | Order ref. | Article number | Sample item | Item | Price |
|--|------------|----------------|-------------|------|-------|
| Heat pumps | | | | | |
| Air-to-water heat pump with two performance levels | LI 28TE | 352710 | 1 | | |
| Elasticated sound insulation underlay strips | SYL 250 | 352260 | 2 | | |
| Heat source accessories | | | | | |
| Long air duct | LKL 800 | 339800 | 1 | | |
| Short air duct | LKK 800 | 339810 | | | |
| 90° air duct bend | LKB 800 | 339820 | 1 | | |
| Tool kit | VSK 800 | 341230 | | | |
| Sealing collar for air intake and air outlet | DMK 800 | 340290 | 1 | | |
| Heat pump rain guard | RSG 800 | 340250 | 1 | | |
| Hydraulic accessories | | | | | |
| Heating water hose connection set | SAS 110 | 340330 | 1 | | |
| 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 | 2 | | |
| Universal buffer tank (500 l)* | PSW 500 | 339210 | | | |
| Immersion heater pipe assembly* | HDLR 450 | 337450 | | | |
| Dual differential pressureless manifold | DDV 32 | 348450 | 1 | | |
| Circulating pump for DDV 32 | UP 70-32 | 354020 | | | |
| 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 | 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 | | | |
| 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 | | | |
| 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 | | | |
| Start-up (no discount available) | | | | | |
| Heat pump (heating only) start-up | IN 01 WP | 341750 | 1 | | |

* Other specific accessories available / required

Notes:
The recommended components for the air circuit are based on installation in a corner with the air intake via a light well and the air outlet installed above ground level. Further types of installation can be found in the project planning documentation.

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.