



## Data sheet LAK 14IMR

### Reversible air-to-water heat pump in split design.

Installation location:

Max. flow temperature: 55 °C

Casing colour: White

Heat pump system for heating and cooling with inverter control and integrated heat pump manager WPM Econ5Plus with standard display. The hydraulic unit (indoors) and outdoor unit, which are connected via a refrigerant pipe (special accessory). The outdoor unit with output-controlled compressor (inverter) adapts the heat output to the heat consumption of the building and can be installed close to the wall. Sound-optimised through electronically controlled fan. With a flexible control range, the heating and domestic hot water output can be adapted to the actual heat consumption. The heat pump manager installed in the wall-mounted indoor unit controls the efficient operation of the heat pump heating system. In heating operation, two different temperature levels can be controlled for radiators and underfloor heating circuits. The following components are mounted in a space-saving way and wired ready to use:

- High-efficiency heat circulating pump (note the free compression)
- Built-in pipe heater (2 / 4 / 6 kW) can be used for reheating domestic hot water up to 60 °C and as a stand-by for heating operation
- Use of load-variable tariffs

Heating circuit circulating pump free compression 29600 Pa at a heating water flow rate of 2.4 m<sup>3</sup>/h. Energy efficiency EEL ≤ 0.23. Flexible expansion options for bivalent or bivalent-renewable operating mode. Condensate tray heating built-in as standard with LAK 14ITR. For LAK 9IMR, available as a accessory (KWH 60) The electrical connection between the control to be mounted in the building and the outdoor unit takes place via a shielded 2-wire data cable (e.g. LiYY; cross-section 0.6 mm<sup>2</sup>) not included in the scope of supply.

Flow and return sensor integrated. (Spectrum of efficiency classes A+++ to D)



Glen Dimplex Thermal Solutions T: + 49 9221 709-100  
(Glen Dimplex Deutschland GmbH) F: + 49 9221 709-339  
Am Goldenen Feld 18 dimplex@dimplex.de  
D-95326 Kulmbach www.dimplex.de

Glen Dimplex Austria GmbH  
Hauptstraße 71  
A-5302 Henndorf am Wallersee

T: + 43 6214 20330  
F: + 43 6214 203304  
info@dimplex.at  
www.dimplex.at

# LAK 14IMR

## Technical data

### Dimplex Reversible air-to-water heat pump in split design. (Low temperature)

|   |                         |
|---|-------------------------|
| Heat pump code  | 1038                    |
| Max. flow temperature   | 55 Grad                 |
| Lower operating limit heat source (heating operation) / Upper operating limit heat source (heating operation) | -20 Grad / 30 Grad      |
| Heat output A-7/W35 / COP A-7/W35 *   | 13,1 kW / 2,7           |
| Heat output max. A-7/W35 / COP A-7/W35 *  | 13,1 kW / 2,7           |
| Heat output A2/W35 / COP A2/W35 *   | 10,7 kW / 3,3           |
| Heat output max. A2/W35 / COP A2/W35 *  | 12,3 kW / 3,3           |
| Heat output A7/W35 / COP A7/W35 *   | 10,2 kW / 4,4           |
| Heat output max. A7/W35 / COP A-7/W35 *   | 14,6 kW / 2,7           |
| Heat output A10/W35 / COP A10/W35 *   | 10,8 kW / 4,6           |
| Heat output max. A10/W35 / COP A10/W35 *  | 14,9 kW / 4,4           |
| Nominal power consumption according to EN 14511 at A2/W35   | 3,72 kW                 |
| Nominal power consumption A7/W35  | 3,31 kW                 |
| Sound power level   | 68 dB(A)                |
| Sound pressure level in 10 m  | 37 dB(A)                |
| Refrigerant / Amount of refrigerant   | R410A / 2,38 kg         |
| Max. heating water flow rate / Pressure drop  | 2,4 m3 pro h / 30400 Pa |
| Heat source flow (min.)   | 7200 m3 pro h           |
| Width x Height x Depth **   | 950 x 1380 x 330 mm     |
| Weight  | 119 kg                  |
| Rated voltage   | 1/N/PE ~230 V, 50 Hz    |
| Starting current  | 5,9 A                   |
| Fuse protection HP with separate infeed ***   | C 40 A                  |
| Type of defrosting  | Reverse circulation     |
| Heat pump seal of approval (valid until)  | Yes / 08.09.2022        |

\*It is absolutely essential that the commissioning of the split heat pump takes place via after-sales service owing to the cooling technology training required to connect the indoor and outdoor units.

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

\*\*\*



Glen Dimplex Thermal Solutions  
(Glen Dimplex Deutschland GmbH)  
Am Goldenen Feld 18  
D-95326 Kulmbach  
T: + 49 9221 709-100  
F: + 49 9221 709-339  
dimplex@dimplex.de  
www.dimplex.de

Glen Dimplex Austria GmbH  
Hauptstraße 71  
A-5302 Henndorf am Wallersee  
T: + 43 6214 20330  
F: + 43 6214 203304  
info@dimplex.at  
www.dimplex.at

# LAK 14IMR

| Description | Order ref. | Article number | Sample item | Item |
|-------------|------------|----------------|-------------|------|
|-------------|------------|----------------|-------------|------|

\* Other specific accessories available / required

Important information:

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



Glen Dimplex Thermal Solutions  
(Glen Dimplex Deutschland GmbH)  
Am Goldenen Feld 18  
D-95326 Kulmbach  
T: + 49 9221 709-100  
F: + 49 9221 709-339  
dimplex@dimplex.de  
www.dimplex.de

Glen Dimplex Austria GmbH  
Hauptstraße 71  
A-5302 Henndorf am Wallersee  
T: + 43 6214 20330  
F: + 43 6214 203304  
info@dimplex.at  
www.dimplex.at