Glen Dimplex Thermal Solutions

Dimplex

LAK 3/6/9/ 14 IMR and LAK 14 ITR compact heating system.

LAK 3/6/9/14 IMR and LAK 14 ITR.

Hydrobox for split air-to-water heat pumps.

Simply easy to install: compact heating system with optional cooling.

Minimum space requirements thanks to the compact outdoor unit and wall-mounted Hydrobox.

Simply flexible: Add domestic hot water preparation depending on requirements.

Integrated pipe heater for reheating domestic hot water up to 60 °C and as a reserve for heating operation (emergency heating).

Can be used in combination with existing heat generators such as oil or gas boilers (bivalent systems).

Simply monitor and control – including via smartphone and tablet: with the Dimplex heat pump manager or Smart Eco System.

Smart Grid ready: prepared for the use of load-variable tariffs in the power grid of the future.
5 year warranty when commissioned by the Dimplex after-sales service.

LAK 3/6/9/14 IMR and LAK 14 ITR.
Technical data:

The Hydrobox enables simple and quick connection to the heating system, as the control, a high efficiency heat circulating pump and pipe heater are integrated. The components are optimally coordinated and guarantee comfortable room temperatures throughout the year. In winter, the heat pump provides heating water at temperatures up to 55 °C. The heat pump can also be used for cooling in summer. The outdoor and indoor unit is connected via a refrigerant line. The wall-mounted indoor unit (Hydrobox) minimises the space requirements in the building significantly in this combination. A wall-mounted buffer tank is available to guarantee the heating water flow rate. The components required for heating operation can be mounted and commissioned during the construction phase. Once the building is complete, a floor-standing domestic hot water cylinder is added to the system where necessary. This means that the split air-to-water heat pump and wall-mounted Hydrobox make the perfect combination for all new buildings with low amounts of available space and high demands on flexibility.

Order reference	**LAK 3IMR**	**LAK 6IMR**	**LAK 9IMR**	**LAK 14IMR**	**LAK 14ITR**
Article number	372900	372910	372920	372930	372940
Energy efficiency class / energy efficiency (flow 35 °C)	–	A++/154%	A++/162%	A++/160%	A++/151%
Energy efficiency class / energy efficiency (flow 55 °C)	–	A+/102%	A+/112%	A+/115%	A+/117%
Max. flow temperature	55 °C	55 °C	55 °C	55 °C	55 °C
Lower / upper operating limit (heating)	–20 to +30 °C	–20 to +30 °C	–20 to +30 °C	–20 to +30 °C	–20 to +30 °C
Lower / upper operating limit (cooling)	+10 to +43 °C	+10 to +43 °C	+10 to +43 °C	+10 to +43 °C	+10 to +43 °C
Heat output max. / COP (with A-7 / W35)[1]	2.5 kW / 2.7	4.2 kW / 2.8	6.3 kW / 2.4	13.1 kW / 2.7	13.9 kW / 2.9
Heat output / COP (with A2 / W35)[1]	1.5 kW / 3.5	4.8 kW / 3.4	5.3 kW / 3.6	10.7 kW / 3.3	10.5 kW / 3.6
Heat output / COP (with A7 / W35)[1]	1.3 kW / 4.4	5.6 kW / 4.8	5.6 kW / 4.8	10.2 kW / 4.4	10.6 kW / 4.1
Cooling capacity / EER (with A27 / W18)[1]	3.0 kW / 4.0	8.7 kW / 4.2	8.7 kW / 4.2	16.4 kW / 3.8	17.1 kW / 3.7
Sound power level outdoor component	–	63 dB (A)	63 dB (A)	68 dB (A)	67 dB (A)
Sound pressure level outside in 10 m	–	35 dB (A)	35 dB (A)	40 dB (A)	39 dB (A)
Connection voltage	1 / N / PE ~230 V, 50 Hz	1 / N / PE ~230 V, 50 Hz / 3 / N / PE ~400 V, 50 Hz	1 / N / PE ~230 V, 50 Hz / 3 / N / PE ~400 V, 50 Hz	1 / N / PE ~230 V, 50 Hz	3 / N / PE ~400 V, 50 Hz
Dimensions, outdoor component (W x H x D)[2]	950 x 834 x 330 mm	950 x 834 x 330 mm	950 x 834 x 330 mm	950 x 1380 x 330 mm	950 x 1380 x 330 mm
Outdoor component weight	69 kg	69 kg	69 kg	94 kg	116 kg

[1] Heat output / cooling capacity and coefficients of performance (COP / EER) according to EN 14511.
[2] Please note that additional space is required for pipe connections, operation and maintenance.

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