



NOVELAN



Air

Air/water heat pumps

Product brochure 2022/2023

About us

Simply logical

NOVELAN has made it its mission to sustainably improve access to heat pumps with a straightforward range of product and system solutions. As a reliable partner to the wholesale trade, efficiency is a top priority – from the selection and delivery of the right solution to its quick and easy installation, right through to its intuitive and trouble-free operation.



Simply reliable

As part of ait-deutschland GmbH, and therefore also the NIBE Group – one of the world's leading providers of climate-friendly energy solutions – NOVELAN has access to a comprehensive network as well as being able to draw on efficient structures and processes. This provides security and ensures ultra-reliable availability.



Simply practical

Whether you want quick and easy installation for increased turnover in a short timeframe, or intuitive and reliable operation, we've got you covered. With decades of competence in heat pumps, NOVELAN is a partner that knows what really counts in practice.



Simply flexible

With the perfect combination of solutions for products, systems and services, NOVELAN provides a complete ecosystem for everything related to heat pumps. We have made our products compatible with other heating components to ensure maximum customer satisfaction.

Simply competent since
1973

As far back as 50 years ago, the first field tests with NOVELAN heat pumps were carried out – at the time under the name of SIEMENS. Today, at the company headquarters in Kasendorf in Upper Franconia, heat pumps for almost every conceivable application are produced and sold through specialist wholesalers.





Simple.

NOVELAN

Overview

Simply choose the heat pump for you

Discover the NOVELAN ecosystem with the perfect combination of solutions for products, systems and services. The benefits are obvious:

- ✓ Fossil-free heating, can be combined with any PV system, solar heat system or tiled stove with back boiler*
- ✓ Dedicated NOVELAN support with comprehensive customer service
- ✓ Made in Germany using only high-quality materials
- ✓ 5-year warranty** with flexible option of 10 further years of insurance
- ✓ Free internet connection for the smart era**

*in combination with a multifunctional storage device

**in combination with an IBN 5+

Air / water Outdoor installation



Jabbah

LAD(V)

LAV(S)

LA

L Split

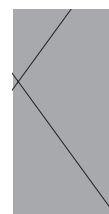
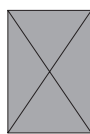
Heating	✓	✓	✓	✓	✓
Domestic hot water	✓	✓	✓	✓	✓
Cooling	✓	RX model	✓	-	✓
Integrated hydraulics	-	-	-	-	-

Air Water

Air / water professional Outdoor installation



Air / water Indoor installation



LAP	LICV	LIV	LI	Polaris
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	-	✓	-	✓
-	✓	-	-	-



Air



New build



Renovation/replacement



Single-family house



Outdoor installation



Noise 48 dB(A)*

Jabbah

Monobloc air/ water heat pumps



The compact plug-and-play solution

- ✓ Cost-effective plug-and-play solution for entry into the world of heat pump technology
- ✓ Sound-proof housing for minimal noise levels
- ✓ Flexible installation options thanks to omission of safety zone
- ✓ Easy handling thanks to compact size
- ✓ Easy transfer of maintenance data via USB stick to units in houses of similar sizes or with similar usage conditions



Heating



Cooling



Hot water



With automatic adjustment to the energy requirements of the house, Jabbah is an intelligent and compact output-regulated air/water heat pump. The intelligent control system also automatically regulates the room climate – from heating in winter to cooling in summer. Numerous ports for easy connection to PV systems.



Jabbah 7 with CS 7



Jabbah 5 with CS 7

Technical data

Type	Jabbah series
Energy efficiency rating	A++
COP value	up to 4.20 (at A2 / W35 as per EN 14511)
Heating power	up to 7.21 kW (at A-7 / W35 as per EN 14511)
Acoustic noise levels	62 / 48 dB(A) max. / night (Jabbah 5)

Detailed technical data can be found from page 36 onwards.



Air



New build



Renovation/replacement



Single-family house



Outdoor installation



Noise 44 dB(A)*

LAD(V)

Dual air/water heat pump



The allrounder

- ✓ Cascadable, with optional cooling function
- ✓ Ultra-sustainable thanks to natural refrigerant R290 (propane)
- ✓ Output-regulated model (LADV)
- ✓ Can be wall-mounted or ground-mounted for extra flexibility
- ✓ In combination with LWDV or LADV
- ✓ Very high flow temperature of up to +70°C



Heating



Cooling



Hot water



The uncomplicated and easy-to-install solution for heating, cooling (RX) and preparing domestic hot water – in an output-regulated model (LADV) that perfectly adapts to the requirements of the house and its inhabitants. This solution ensures maximum efficiency and, if needed, can be combined with a range of compatible accessories.



Technical data

LAD(V) with hydraulic module or hydraulic tower

Type	LADV series (output-regulated)	LAD series 5, 7 and 9 kW
Energy efficiency rating	A+++	A++
COP value	4.61 (at A2 / W35 as per EN 14511)	up to 3.80 (at A2 / W35 as per EN 14511)
Heating power	up to 8.1 kW (at A-7 / W35 as per EN 14511)	up to 9.0 kW (at A-7 / W35 as per EN 14511)

Detailed technical data can be found from page 36 onwards.



Air



New build



Renovation/replacement



Single-family house



Outdoor installation



Noise 48 dB(A)*

LAV(S)

Output-regulated air/water heat pumps



The silent wonder

- ✓ Extra-quiet, even when not in noise-reducing silent mode
- ✓ Particularly suitable for installation close to buildings or walls thanks to pre-fabricated wall bushing, with no need for major earth works or digging
- ✓ Heating and cooling in a single unit
- ✓ Lightweight, with extensive pre-fabricated accessory range
- ✓ LAVS model with noise-protection hood for even more sensitive installation locations



Heating



Cooling



Hot water



As well as offering simple outdoor installation, the output-regulated units in the LAV series set new standards in efficiency, planning security and noise insulation. The LAVS model has been further sound-proofed and, thanks to its special noise-protection hood, falls below legally-regulated noise levels for industrial and commercial installation (from 6 m distance).



Technical data

LAV(S) with wall-mounted controller, hydraulic module or hydraulic tower

Type	LAVS series (output-regulated)	LAV series (output-regulated)
Energy efficiency rating	A++	A++
COP value	up to 4.19 (partial load, at A2 / W35 as per EN 14511)	up to 4.19 (partial load, at A2 / W35 as per EN 14511)
Heating power	up to 8.5 kW (at A-7 / W35 as per EN 14511)	up to 8.5 kW (at A-7 / W35 as per EN 14511)
Acoustic noise levels	53 / 49 dB(A) max. / night	58 / 52 dB(A) max. / night

Detailed technical data can be found from page 36 onwards.



Air



New build



Renovation/replacement



Single-family house



Outdoor installation



Noise 52 dB(A)*

LA

Air/water heat pumps



The powerhouse

- ✓ 2 compressors for needs-based output adjustment
- ✓ Cascadable for up to 100 kW output
- ✓ Universal hardware design, with optional roof installation
- ✓ For both residential buildings and industry
- ✓ Integration with building services management system and Modbus

LA 16.1HV also offers

- ✓ Output regulation as well as high flow temperature of +65°C
- ✓ Planning security thanks to extensive modulation range
- ✓ Ideal for renovations
- ✓ In combination with a multifunctional storage device, can be combined with a PV system etc.



Heating



Cooling



Hot water



Available with various outputs, this series is perfect for both newly built apartment buildings, for modernisation works and – thanks to the outdoor installation option – for properties without a basement. Also available as an output-regulated model (LA 16.1HV).



LA / (16.1HV) with wall-mounted controller

Technical data

Type	LA 16.1HV series (output-regulated)	LA 18, LA 25.1 LA 30
Energy efficiency rating	A++	A++
COP value	4.20 (partial load, at A2 / W35 as per EN 14511)	up to 3.50 (at A2 / W35 as per EN 14511)
Heating power	upto 13.9kW (at A2 / W35 as per EN 14511)	upto 29.9kW (at A2 / W35 as per EN 14511)

Detailed technical data can be found from page 36 onwards.



Air



New build



Single-family house



Outdoor installation



Noise 50 dB(A)*

L Split

Air/water Split heat pumps



The cost-effective entry-level model

- ✓ Frost-proof connection to outdoor unit
- ✓ Allows for flexible bivalent systems (e.g. in combination with existing oil, gas, pellet heating systems etc.)
- ✓ Refrigeration connection possible via factory customer support, incl. 5-year factory warranty**



Heating



Cooling



Hot water

Cosy warmth and refreshing cold in all rooms for year-round comfort in the house, with just a single distributor system. Yet another advantage: We include a practical outdoor and indoor unit (compact station, hydraulic module) as a compact system. The integrated energy-efficient pump and a pre-installed heat meter, as well as an electrical heating element round off the package. The compact station also includes an integrated 180-litre hot-water reservoir for drinking water.



L Split with compact station or hydraulic module

Technical data

Type	L6 Split	L8 Split	L12 Split
Energy efficiency rating	A++	A++	A++
COP value	4.2 (partial load, at A2 / W35 as per EN 14511)	3.76 (partial load, at A2 / W35 as per EN 14511)	3.86 (partial load, at A2 / W35 as per EN 14511)
Heating power	up to 4.6 kW (at A-7 / W35 as per EN 14511)	up to 6.6 kW (at A-7 / W35 as per EN 14511)	up to 9.0 kW (at A-7 / W35 as per EN 14511)

Detailed technical data can be found from page 36 onwards.



Air



New build



Renovation/replacement



Industry



Outdoor installation



Noise 60.9 dB(A)*

LAP

Air/water heat pumps Professional



The multifunctional model for large properties

- ✓ Simultaneous active cooling and domestic hot water supply or heating with hot-gas usage
- ✓ Cascadable to 4 units up to 180 kW
- ✓ Incremental output regulation with dual-compressor operation
- ✓ High flow temperature of up to +65 °C
- ✓ Low operating costs and ultra-quiet operation
- ✓ Space-saving installation on the roof incl. optional connection to PV/solar system
- ✓ Electrical soft starter for reduced start-up current and low mains load
- ✓ Optional integration into building services management system



Heating



Cooling



Hot water



The dual-compressor solution allows the heat pump to output heat while cooling thanks to the integrated hot-gas usage. This effectively reduces operating costs. In parallel connection, up to four units can be connected. This ensures maximum performance.



Technical data

Type	LAP series
Energy efficiency rating	A+
COP value	up to 3.83 (at A2 / W35 as per EN 14511)
Heating power	up to 45.5 kW (at A2/W35 as per EN 14511)

Detailed technical data can be found from page 36 onwards.

*Max. sound pressure level outdoors at 1 m distance to edge of unit (LAP)



Air



New build



Renovation/replacement



Single-family house



Indoor installation



Noise 39 dB(A)*

LICV

Output-regulated compact air/water heat pumps



The powerful space-saver

- ✓ Modular transport concept for easy set-up
- ✓ Quiet and compact with extremely low noise levels outdoors
- ✓ Version with flexible air duct system also available
- ✓ Pre-fabricated components for quick, clean installation
- ✓ Integrated, active cooling
- ✓ Hassle-free planning thanks to integrated heating components



Heating



Cooling



Hot water



High output, easy handling, and space-saving installation combined in an adaptable module. This model also offers the clever transport concept that makes it even easier to get the unit into the building – even through narrow doors or stairwells, in both renovated properties and new builds.



LICV with wall-mounted controller

Technical data

Type	LICV series (output-regulated)
Energy efficiency rating	A++
COP value	up to 4.19 (partial load, at A2 / W35 as per EN 14511)
Heating power	up to 8.5 kW (at A-7 / W35 as per EN 14511)

Detailed technical data can be found from page 36 onwards.

*Max. sound pressure level outdoors at 1 m distance to central air duct, when installed indoors (original accessories) (LICV 8.2 R1/3)



Air



New build



Renovation/replacement



Single-family house



Indoor installation



Noise 39 dB(A)*

LIV

Output-regulated air/water heat pumps



The adaptable combo expert

- ✓ Noise-sensitive in case outdoor installation is not possible, with extremely low noise levels outdoors
- ✓ Complete air duct system from unit connector to wall bushing
- ✓ Efficient transport concept for easy set-up
- ✓ Pre-fabricated components for quick, clean installation
- ✓ Integrated active cooling
- ✓ Hassle-free planning thanks to integrated heating components
- ✓ Version with flexible air duct system also available



Heating

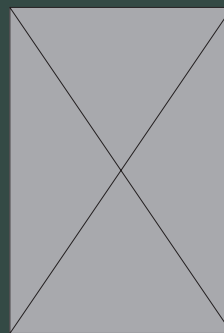


Cooling



Hot water

Thanks to a highly efficient system with a wide range of possible combinations, you can fine-tune the atmosphere in the entire house to suit your needs – be it heating, cooling or preparing domestic hot water. New acoustic standards ensure outstanding performance, even for applications where low noise is essential.



LICV with wall-mounted controller, hydraulic module or hydraulic station

Technical data

Type	LIV series (output-regulated)
Energy efficiency rating	A++
COP value	up to 4.19 (partial load, at A2 / W35 as per EN 14511)
Heating power	up to 8.5 kW (at A-7 / W35 as per EN 14511)

Detailed technical data can be found from page 36 onwards.

*Max. sound pressure level outdoors at 1 m distance to central air duct, when installed indoors (original accessories) (LIV 8.2 R1/3)



Air



New build



Renovation/replacement



Single-family house



Indoor installation



Noise 51 dB(A)*

LI

Air/water heat pumps



The quiet indoor solution

- ✓ 2 compressors for needs-based output adjustment
- ✓ Universal hardware design
- ✓ Cascadable for 4 units with up to 120 kW output (LI 18 to LI 30)
- ✓ Wide range of applications from residential buildings to industry
- ✓ Optional integration with building services management system and Modbus



Heating



Cooling



Hot water



In combination with the dedicated air duct system, the noise-proof design provides an extremely straightforward solution, particularly for applications where low noise is essential. For modernisation jobs, the output-regulated compressor of the LI 16.1 HV really comes into its own – perfectly adjusting to actual heat requirements and therefore only producing the exact amount of heat that is needed.



Technical data

Type	LI16.1HV series (output-regulated)	LI 18, LI 25.1, LI 30
Energy efficiency rating	A++	A+
COP value	4.20 (partial load, at A2 / W35 as per EN 14511)	up to 3.80 (at A2 / W35 as per EN 14511)
Heating power	up to 13.9 kW (at A-7 / W35 as per EN 14511)	upto 24.3 kW (at A-7 / W35 as per EN 14511)

Detailed technical data can be found from page 36 onwards.



Air



New build



Single-family house



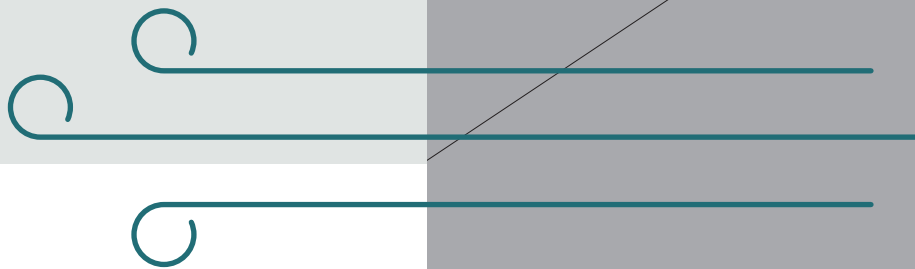
Indoor installation



Noise 48 dB(A)*

Polaris

Air/water heat pumps



The intelligent plug-and-play system

- ✓ Compact and quiet plug-and-play solution for heating, cooling and potable hot water preparation in a single system
- ✓ Simple, user-friendly handling, similar to fridge, dishwasher etc.
- ✓ Ideal for new builds, as well as replacing existing heat pumps
- ✓ Intelligent solution, e.g. for installation in attics with limited floor space
- ✓ Flexible air connection options via roof, corners, external walls
- ✓ Perfectly adjusts to individual needs thanks to output regulation
- ✓ Integrated active cooling
- ✓ Dedicated system components for easy connection to photovoltaic systems, wood-burning stoves, fuel cells and other heat generators



Heating



Cooling



Hot water

The Polaris air/water heat pumps for internal installation provide unprecedented possibilities when planning living spaces – be it basements, ground floors, upper floors or attics. This model will save you valuable living space whether installed indoors or in the garden, making it perfect for tight spaces and small sites. The adaptable air duct system for roof or wall bushing requires just 1 m of clearance without thermal bypass.



Polaris with wall-mounted controller, hydraulic module or hydraulic station

Technical data

Type	Polaris (output-regulated)
Energy efficiency rating	A++
COP value	4.02 (partial load, at A2 / W35 as per EN 14511)
Heating power	up to 3.68 kW (at A-7 / W35 as per EN 14511)
Acoustic noise levels, interior	49 / 48 dB(A) max. / night

Detailed technical data can be found from page 36 onwards.

Simple modular



The compact station or hydraulic station
as an energy hub

The appeal of NOVELAN is obvious: From the first step to the last, our clever features make installation and transport easier. Even when in storage, this can lead to valuable time savings – also for complex installations.

Success made simpler

The output-regulated LICV units shine during installation thanks to their outstanding adaptability. One particularly handy feature for units that are installed internally is that modules weighing less than 100 kg can be split into parts. This makes the individual parts easy to get into the building using the dedicated cargo straps. Thanks to the pre-fabricated connection system, installation is child's play.

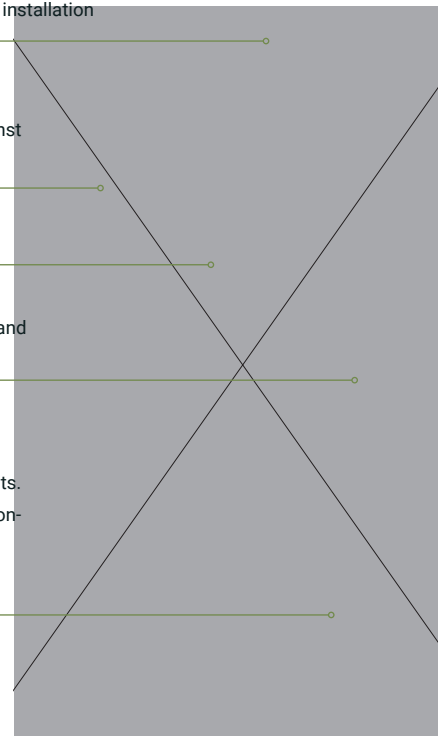
Service opening for inspection and cleaning without air duct installation

Facade package packed separately to protect against transport damage

Transport straps

Installation accessories and controller

Compact module with various built-in components. Can be transported horizontally or vertically.



Heat pump module

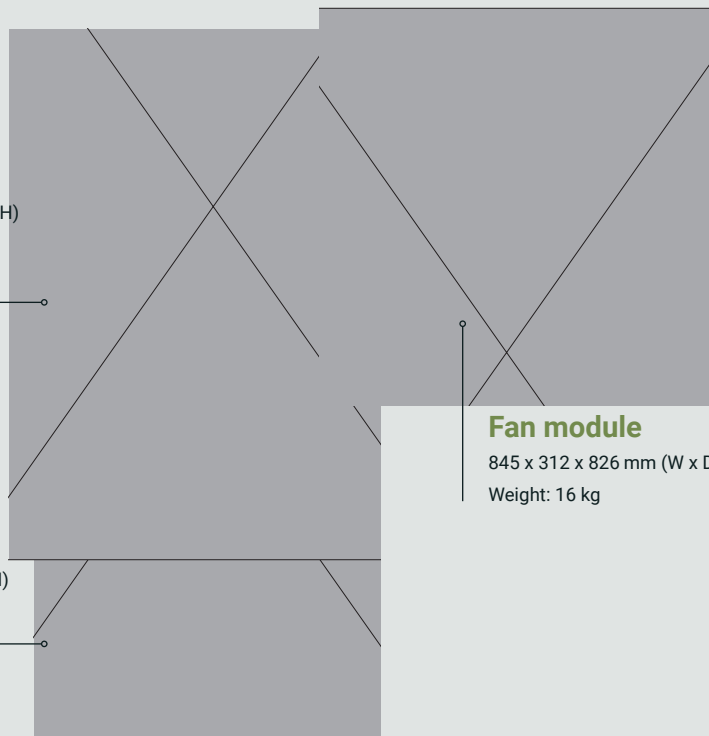
845 x 575 x 1418 mm (W x D x H)
Weight: 88 kg (LICV 8.2)
104 kg (LICV 12.2)

Compact module

839 x 753 x 489 mm (W x D x H)
Weight: 60 kg

Fan module

845 x 312 x 826 mm (W x D x H)
Weight: 16 kg



Smart control, easy operation

Everything from a single source for your convenience: Designed as an integrated system, NOVELAN doesn't just offer the units themselves. It also offers the corresponding control solutions.

RBE+ room control unit

- ✓ All necessary information at a glance (room temperature, humidity, outside temperature, possible faults etc.)
- ✓ Control heat pumps directly via the control unit in real time and without needing to make the annoying trip to the boiler room
- ✓ Added comfort and efficiency thanks to integrated room sensor
- ✓ Attractive design with user-friendly touch control
- ✓ Can be used in combination with a heat pump



WPR net

- ✓ Self-explanatory control technology with intuitive rotary and touch control
- ✓ Controllable via internet for added convenience
- ✓ Enables the efficient, central management of the heating system across the entire house
- ✓ Can be mounted on the unit or on the wall




Simple Smart



NOVELAN Net and NOVELAN app

- ✓ As standard with all WPR net controllers
- ✓ No additional costs or installations (internet connection required for heat pump)
- ✓ Intuitive app for smartphone and tablet (available for iOS and Android)
- ✓ Secure connection via dedicated NOVELAN server

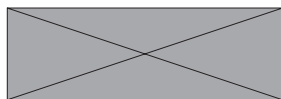


Partners simply achieve more

Thanks to its extensive network of partners, NOVELAN's additional services are also a valuable resource for plumbers and their customers. The result: Better service and added value for all concerned.

Simple more

for you



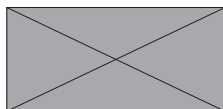
A simple overview of all documents with Oxomi

- ✓ Quick access to all print documents (brochures, pricelists, assembly instructions etc.)
- ✓ Accessible from anywhere at any time, including from smartphones and tablets



Simply up-to-date website content with ieQ systems

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Simply reliable product data with Open Datacheck

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- ✓ Also provided via ZVSHK and Open Datapool platforms



Simply avail of grants with PUR GmbH

- ✓ Competent support for grants, energy consultation and financing
- ✓ Effective, reliable sounding out of suitable offers on a community, regional, state and national level

For further information visit
www.pur-gmbh.eu



Geothermal energy made simple with Erdwärme PLUS

- ✓ Local partners with detailed expertise about geological conditions and legal stipulations
- ✓ Extensive machine fleet with DVGW 120 certification

For further information visit
www.erdwaermeplus.de

Simple more

for your customers



Heating load calculation made simple with Planungsbüro Bartsch

- ✓ Time-saving heating load calculation for optimal sizing
- ✓ Quick and competent in accordance with EN 12831

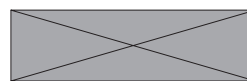
For further information visit
www.planungsbuero-bartsch.de



Custom design simply realised by FH-Werbetchnik GmbH

- ✓ Customisation of heat pumps
- ✓ Large selection of films/foils or designing of custom motifs
- ✓ Acts as additional paint protection

For further information visit
www.novelan.com/kooperationspartner



Simply on the safe side with ARCTIC

- ✓ Additional insurance for up to 15 years' protection
- ✓ Can be extended flexibly every year
- ✓ Additional to manufacturer's warranty as per IBN 5+ package

For further information visit
www.arctic.se/novelan-de



Simple always

the right contact partner

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Mon. – Fri. 08:00 – 17:00



Simply clever – **ait Academy**

Much like NOVELAN products, our training events are individually tailored and fine-tuned to market requirements. We can thus offer everything ranging from basic training to detailed technical training. The training events take place either at our ait Academy in Kasendorf – with optional factory tour – or in our subsidiaries in Forsting (southern Bavaria) and Anröchte (North-Rhine Westphalia).

Training Registration

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Technical data

JABBAH

Short designation	Art. no.	Essential accessories	Performance data		Unit		Energy efficiency rating
			Heating power A-7 / W35 min. / max. kW	COP A2 / W35 (at partial load)	Dimensions (mm) W x D x H	Weight kg	Heater in combination with controller (A+++ to G)
Jabbah 5 – 1	1037984101	CS 7	4.64	4.20	995 x 453 x 891	82	A+++
Jabbah 7 – 1	1037994101	CS 7	7.21	4.20	995 x 453 x 891	82	A+++

Units filled with natural refrigerant R290.

LAD V

Short designation	Art. no.	Essential accessories	Performance data		Unit		Energy efficiency rating
			Heating power A-7 / W35 min. / max. kW	COP A2 / W35 (at partial load)	Dimensions (mm) W x D x H	Weight kg	Heater in combination with controller (A+++ to G)
LADV 9 – HDV 9	103699HDV901	HDV 9	3.1 / 8.1	4.61	1320 x 510 x 930	141	A+++
LADV 9 – HDV 12	103699HDV1241	HDV 12	3.1 / 8.1	4.61	1320 x 510 x 930	141	A+++
LADV 9 – HSDV 9	103699HSDV941	HSDV 9	3.1 / 8.1	4.61	1320 x 510 x 930	141	A+++ *
LADV 9 – HSDV 12.1	103699HSDV12141	HSDV 12.1	3.1 / 8.1	4.61	1320 x 510 x 930	141	A+++ *

*Combi heater. Units filled with natural refrigerant R290.

LAD

Short designation	Art. no.	Essential accessories	Performance data				Unit		Energy efficiency rating
			Heating power A-7 / W35 kW	Heating power A2 / W35 kW	Cooling power A27 / W18 kW	COP A2 / W35	Dimensions (mm) W x D x H	Weight kg	Heater in combination with controller (A+++ to G)
LAD 5	103601HID22	HID 1E	4.6	5.6	–	3.80	1320 x 510 x 930	141	A++
LAD 7	103602HID22	HID 1E	6.3	7.7	–	3.80	1320 x 510 x 930	146	A++
LAD 9	103609HID22	HID 1E	7.5	9.0	–	3.60	1320 x 510 x 930	149	A++
LAD 5	103601CSD22	CSD	4.6	5.6	–	3.80	1320 x 510 x 930	141	A++ **
LAD 7	103602CSD22	CSD	6.3	7.7	–	3.80	1320 x 510 x 930	146	A++ **
LAD 9	103609CSD22	CSD	7.5	9.0	–	3.60	1320 x 510 x 930	149	A++ **

*With integrated cooling. ** Combi heater. Units filled with natural refrigerant R290.



LAV / LAVS

Short designation	Art. no.	Essential accessories	Performance data					Unit				Energy efficiency rating
			Heating power A-7 / W35 min. / max. kW	Heating power A2 / W35 (at partial load) kW	Cooling power A35 / W17 min. / max. kW	COP A2 / W35 (at partial load)	CO ₂ equivalent t CO ₂	Refrigerant fill capacity kg	Hermetically sealed	Dimensions (mm) W x D x H	Weight kg	
LAV 8 – WR	103776WR2141	WR	2.3 / 6.5	3.8	1.0 / 4.5	4.19	6.3	3.00	✓	995 x 830 x 1480	132	A++
LAV12 – WR	103777WR2141	WR	3.6 / 8.5	5.0	2.0 / 6.0	4.01	7.5	3.60	✓	995 x 830 x 1480	148	A++
LAV 8 – HV 9	103776HV941	HV 9	2.3 / 6.5	3.8	1.0 / 4.5	4.19	6.3	3.00	✓	995 x 830 x 1480	132	A++
LAV 8 – HV 12	103776HV1241	HV 12	2.3 / 6.5	3.8	1.0 / 4.5	4.19	6.3	3.00	✓	995 x 830 x 1480	132	A++
LAV 12 – HV 12	103777HV1241	HV 12	3.6 / 8.5	5.0	2.0 / 6.0	4.01	7.5	3.60	✓	995 x 830 x 1480	148	A++
LAV 8 – HSV 9	103776HSV941	HSV 9	2.3 / 6.5	3.8	1.0 / 4.5	4.19	6.3	3.00	✓	995 x 830 x 1480	132	A++ *
LAV 8 – HSV 12	103776HSV1241	HSV 12	2.3 / 6.5	3.8	1.0 / 4.5	4.19	6.3	3.00	✓	995 x 830 x 1480	132	A++ *
LAV 12 – HSV 12	103777HSV1241	HSV 12	3.6 / 8.5	5.0	2.0 / 6.0	4.01	7.5	3.60	✓	995 x 830 x 1480	148	A++ *
LAVS 8 – WR	103778WR2141	WR	2.3 / 6.5	3.8	1.0 / 4.5	4.19	6.3	3.00	✓	995 x 830 x 1480	132	A++
LAVS 12 – WR	103779WR2141	WR	3.6 / 8.5	5.0	2.0 / 6.0	4.01	7.5	3.60	✓	995 x 830 x 1480	148	A++
LAVS 8 – HV 9	103778HV941	HV 9	2.3 / 6.5	3.8	1.0 / 4.5	4.19	6.3	3.00	✓	995 x 830 x 1480	132	A++
LAVS 8 – HV 12	103778HV1241	HV 12	2.3 / 6.5	3.8	1.0 / 4.5	4.19	6.3	3.00	✓	995 x 830 x 1480	132	A++
LAVS 12 – HV 12	103779HV1241	HV 12	3.6 / 8.5	5.0	2.0 / 6.0	4.01	7.5	3.60	✓	995 x 830 x 1480	148	A++
LAVS 8 – HSV 9	103778HSV941	HSV 9	2.3 / 6.5	3.8	1.0 / 4.5	4.19	6.3	3.00	✓	995 x 830 x 1480	132	A++ *
LAVS 8 – HSV 12.1	103778HSV12141	HSV 12.1	2.3 / 6.5	3.8	1.0 / 4.5	4.19	6.3	3.00	✓	995 x 830 x 1480	132	A++ *
LAVS 12 – HSV 12.1	103779HSV12141	HSV 12.1	3.6 / 8.5	5.0	2.0 / 6.0	4.01	7.5	3.60	✓	995 x 830 x 1480	148	A++ *

*Combi heater. Units filled with fluorinated greenhouse gas R410A. GWP value: 2088.

LA 16.1HV

Short designation	Art. no.	Essential accessories	Performance data				Unit				Energy efficiency rating
			Heating power A-7 / W35 min. / max. kW	Heating power A2 / W35 (at partial load) kW	COP A2 / W35 (at partial load)	CO ₂ equivalent t CO ₂	Refrigerant fill capacity kg	Hermetically sealed	Dimensions (mm) W x D x H	Weight kg	
LA 16.1HV	103649WR2101	WR 2.1	4.0 / 13.9	8.1	4.20	7.9	4.00	✓	1931 x 1050 x 1780	310	A++

Unit filled with fluorinated greenhouse gas R410A. GWP value: 2088.

LA

Short designation	Art. no.	Essential accessories	Performance data				Unit				Energy efficiency rating
			Heating power A-7 / W35 kW	Heating power A2 / W35 kW	COP A2 / W35	CO ₂ equivalent t CO ₂	Refrigerant fill capacity kg	Hermetically sealed	Dimensions (mm) W x D x H	Weight kg	
LA 18	103545WPR32	WPR net	14.1*/7.3	17.2 / 9.5 *	3.60 / 3.80*	12.1	6.80	✓	1931 x 1050 x 1780	420	A+
LA 25.1	103546WPR32	WPR net	19.4*/10.1	24.0 / 13.2 *	3.60 / 3.80*	17.4	9.80	✓	1779 x 1258 x 1817	540	A+
LA 30	103547WPR32	WPR net	24.2*/13.1	29.9 / 16.1 *	3.50 / 3.55*	39.2	10.00	–	1779 x 1258 x 2127	573	A+

*When operated with a compressor.

Units LA 18 – LA 25.1 are filled with fluorinated greenhouse gas R407C. GWP value: 1744. Unit LA 30 filled with fluorinated greenhouse gas R404A. GWP value: 3922.

Technical data

L SPLIT

Short designation	Art. no.	Essential accessories	Performance data				Unit				Energy efficiency rating
			Heating power A-7 / W35 kW	Heating power A2 / W35 kW	COP A2 / W35	CO ₂ equivalent t CO ₂	Refrigerant fill capacity kg	Hermetically sealed	Dimensions (mm) W x D x H	Weight kg	
L6 Split	103698CS601	CS 6 Split	4.60	2.32	4.2	3.2	1.50	–	800 x 290 x 640	46	A++
L8 Split	103626CS1201	CS 12 Split	6.60	5.11	3.76	5.3	2.55	–	880 x 340 x 750	60	A++
L12 Split	103627CS1201	CS 12 Split	9.00	6.91	3.86	6.1	2.90	–	970 x 370 x 845	74	A++
L6 Split	103698HV601	HV 6 Split	4.60	2.32	4.2	3.2	1.50	–	800 x 290 x 640	46	A++
L8 Split	103626HV1201	HV 12 Split	6.60	5.11	3.76	5.3	2.55	–	880 x 340 x 750	60	A++
L12 Split	103627HV1201	HV 12 Split	9.00	6.91	3.86	6.1	2.90	–	970 x 370 x 845	74	A++

Units filled with fluorinated greenhouse gas R410A. GWP value: 2088.

LAP 45

Short designation	Art. no.	Performance data				Unit				Energy efficiency rating
		Heating power A-7 / W35 min. / max. kW	Cooling power A35 / W18 max. kW	COP A2 / W35	CO ₂ equivalent t CO ₂	Refrigerant fill capacity kg	Hermetically sealed	Dimensions (mm) W x D x H	Weight kg	
LAP 45 – WPR	103750WPRP02	45.5 / 26.4*	55.0	3.50 / 3.70*	48.0	23.00	✓	1800 x 850 x 2320	680	A+

*When operated with a compressor. Unit filled with fluorinated greenhouse gas R410A. GWP value: 2088.

LICV

Short designation	Art. no.	Performance data					Unit				Energy efficiency rating
		Heating power A-7 / W35 min. / max. kW	Heating power A2 / W35 (at partial load) kW	Cooling power A35 / W187 min. / max. kW	COP A2 / W35 (at partial load)	CO ₂ equivalent t CO ₂	Refrigerant fill capacity kg	Hermetically sealed	Dimensions (mm) W x D x H	Weight kg	
LICV 8.2 R1/3	10377041	2.3 / 6.5	3.8	1.0/6.0	4.19	6.3	3.00	✓	845 x 740 x 1880	208	A++
LICV 12.2R3	10377141	3.6 / 8.5	5.0	2,0/8.5	4.01	7.5	3.60	✓	845 x 740 x 1880	227	A++

Units filled with fluorinated greenhouse gas R410A; GWP value: 2088.

All information on heating power and COP conforms with EN 14511. All information on cooling power for maximum volume flow at B15/W20. The CO₂ equivalent of a refrigerant is calculated by multiplying the fill capacity by the GWP (global warming potential). The GWP ("global warming potential") describes the climate warming potential of a greenhouse gas in terms of carbon dioxide (CO₂). Subject to errors and technical modifications.



LIV

Short designation	Art. no.	Essential accessories	Performance data					Unit				Energy efficiency rating
			Heating power A-7 / W35 min. / max. kW	Heating power A2 / W35 (at partial load) kW	Cooling power A35 / W18 min. / max. kW	COP A2 / W35 (at partial load)	CO ₂ equivalent t CO ₂	Refrigerant fill capacity kg	Hermetically sealed	Dimensions (mm) W x D x H	Weight kg	
LIV 8 – WR	103772WR2141	WR	2.3 / 6.5	3.8	1.0 / 6.0	4.19	6.3	3.00	✓	845 x 740 x 1420	138	A++
LIV 12 – WR	103773WR2141	WR	3.6 / 8.5	5.0	2.0 / 8.5	4.01	7.5	3.60	✓	845 x 740 x 1420	154	A++
LIV 8 – HV 9	103772HV941	HV 9	2.3 / 6.5	3.8	1.0 / 6.0	4.19	6.3	3.00	✓	845 x 740 x 1420	138	A++
LIV 8 – HV 12	103772HV1241	HV 12	2.3 / 6.5	3.8	1.0 / 6.0	4.19	6.3	3.00	✓	845 x 740 x 1420	138	A++
LIV 12 – HV 12	103773HV1241	HV 12	3.6 / 8.5	5.0	2.0 / 8.5	4.01	7.5	3.60	✓	845 x 740 x 1420	154	A++
LIV 8 – HSV 9	103772HSV941	HSV 9	2.3 / 6.5	3.8	1.0 / 6.0	4.19	6.3	3.00	✓	845 x 740 x 1420	138	A++ *
LIV 8 – HSV 12	103772HSV1241	HSV 12	2.3 / 6.5	3.8	1.0 / 6.0	4.19	6.3	3.00	✓	845 x 740 x 1420	138	A++ *
LIV 12 – HSV 12	103773HSV1241	HSV 12	3.6 / 8.5	5.0	2.0 / 8.5	4.01	7.5	3.60	✓	845 x 740 x 1420	154	A++ *

*Combi heater. Units filled with fluorinated greenhouse gas R410A; GWP value: 2088.

LI 16.1HV

Short designation	Art. no.	Performance data				Unit				Energy efficiency rating
		Heating power A-7 / W35 min. / max. kW	Heating power A2 / W35 (at partial load) kW	COP A2 / W35 (at partial load)	CO ₂ equivalent t CO ₂	Refrigerant fill capacity kg	Hermetically sealed	Dimensions (mm) W x D x H	Weight kg	
LI 16.1HV	10364701	4.0 / 13.9	8.1	4.20	8.4	4.00	✓	795 x 1050 x 1780	367	A++

Unit LI 16.1HV is filled with fluorinated greenhouse gas R410A. GWP value: 2088.

LI 18

Short designation	Art. no.	Performance data				Unit				Energy efficiency rating
		Heating power A-7 / W35 kW	Heating power A2 / W35 kW	COP A2 / W35	CO ₂ equivalent t CO ₂	Refrigerant fill capacity kg	Hermetically sealed	Dimensions (mm) W x D x H	Weight kg	
LI 18	10353402	7.3 / 14.1 *	17.2 / 9.5 *	3.60 / 3.80*	12.1	6.80	✓	795 x 1050 x 1780	420	A+
LI 25.1	10353602	10.1 / 19.4*	24.0 / 13.2 *	3.60 / 3.80*	17.4	9.80	✓	795 x 1318 x 1887	540	A+
LI 30	10353802	13.2 / 25.0 *	31.0 / 16.8 *	3.50 / 3.60*	39.2	10.00	–	795 x 1318 x 1887	540	A+

*When operated with a compressor.

Units LI 14 – LI 25.1 are filled with fluorinated greenhouse gas R407C. GWP value: 1774. Unit LI 31 filled with fluorinated greenhouse gas R404A.

POLARIS

Short designation	Art. no.	Essential accessories	Performance data				Unit				Energy efficiency rating
			Heating power A-7 / W35 kW	Heating power A2 / W35 kW	COP A2 / W35	CO ₂ equivalent t CO ₂	Refrigerant fill capacity kg	Hermetically sealed	Dimensions (mm) W x D x H	Weight kg	
Polaris 4–3	1038004103	WR 4	3.42/1.80*	2.17	4.02	0.8	1.65	✓	598 x 621 x 1331	116	A++
Polaris 4–2	1038004102	HV 4	3.42/1.80*	2.17	4.02	0.8	1.65	✓	598 x 621 x 1331	116	A++
Polaris 4–3	1038004101	HSV 4	3.42/1.80*	2.17	4.02	0.8	1.65	✓	598 x 621 x 1331	116	A++

*When operated with a compressor.

Units filled with fluorinated greenhouse gas R454B. GWP value: 467.



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