

1. Overview of compatibility between CTA heat pumps and smart grid

Excerpt from the heat pump range for Optiheat brine/water and water/water versions.

Excerpt from the heat pump range for Aeroheat air/water indoor installation and air/water outdoor installation versions.

For older devices or those not listed, the options should be clarified in advance.
Integration may incur additional costs, such as replacing a controller.

1.1 General Information and Tipps



Tipp 1:

If it is too warm or too cold, the upper temperature limit can be adjusted by 1°C at a time. Leave it at this setting for one to two days and see if it is suitable.



Tipp 2:

It is always advisable to discuss temperatures with your heating system service technician to ensure that no values outside the operating range are set.

1.2 Brine/water Optiheat – heat pumps

device name	Typ	Regulator	SG-Ready Instructions
OH 1-5es	All-In-One	Optiplus	instruction
OH 1-6es	All-In-One	Optiplus	instruction
OH 1-8es	All-In-One	Optiplus	instruction
OH 1-11es	All-In-One	Optiplus	instruction
OH 1-14es	All-In-One	Optiplus	instruction
OH 1-18es	All-In-One	Optiplus	instruction
OH 1-22e	Eco	Optiplus	instruction
OH 1-25e	Eco	Optiplus	instruction
OH 1-29e	Eco	Optiplus	instruction
OH 1-33e	Eco	Optiplus	instruction
OH 22e	Duo HT	Optiplus	instruction
OH 28e	Duo HT	Optiplus	instruction
OH 34e	Duo HT	Optiplus	instruction
OH 1-44e	Duo	Optiplus	instruction
OH 1-50e	Duo	Optiplus	instruction
OH 1-58e	Duo	Optiplus	instruction
OH 1-65e	Duo	Optiplus	instruction
OH 1-72e	Duo	Optiplus	instruction
OH 1-85e	Duo	Optiplus	instruction
OHI 4esr TWW *	Inverter	Optiplus 3	instruction
OHI 9e *	Inverter	Optiplus 3	instruction
OHI 9ec *	Inverter	Optiplus 3	instruction
OHI 17e *	Inverter	Optiplus 3	instruction

* Software or controller – update required
The latest software must always be used for Optiheat Inverta heat pumps.

1.3 Water/water Optiheat – heat pumps

device name	Typ	Regulator	SG-Ready Instructions
OH 1-5es	All-In-One	Optiplus	instruction
OH 1-6es	All-In-One	Optiplus	instruction
OH 1-8es	All-In-One	Optiplus	instruction
OH 1-11es	All-In-One	Optiplus	instruction
OH 1-14es	All-In-One	Optiplus	instruction
OH 1-18es	All-In-One	Optiplus	instruction
OH 1-22e	Eco	Optiplus	instruction
OH 1-25e	Eco	Optiplus	instruction
OH 1-29e	Eco	Optiplus	instruction
OH 1-33e	Eco	Optiplus	instruction
OH 22e	Duo HT	Optiplus	instruction
OH 28e	Duo HT	Optiplus	instruction
OH 34e	Duo HT	Optiplus	instruction
OH 1-44e	Duo	Optiplus	instruction
OH 1-50e	Duo	Optiplus	instruction
OH 1-58e	Duo	Optiplus	instruction
OH 1-65e	Duo	Optiplus	instruction
OH 1-72e	Duo	Optiplus	instruction
OH 1-85e	Duo	Optiplus	instruction
OHI 4esr TWW *	Inverter	Optiplus 3	instruction
OHI 9e *	Inverter	Optiplus 3	instruction
OHI 9ec *	Inverter	Optiplus 3	instruction
OHI 17e *	Inverter	Optiplus 3	instruction

* Software or controller – update required
The latest software must always be used for Optiheat Inverta heat pumps..

1.4 Air/water Aeroheat – heat pumps for indoor installation

device name	Typ	Regulator	SG-Ready Instructions
AH CI 8is	All-In-One	Aeroplus 2.1	instruction
AH CI 12is	All-In-One	Aeroplus 2.1	instruction
AH CI 8i	Inverter	Aeroplus 2.1	instruction
AH CI 12i	Inverter	Aeroplus 2.1	instruction
AH CI 1-16i / i-L	Inverter	Aeroplus 2.1	instruction
AH CS 1-14i / i-L	single-stage	Aeroplus 2.0	instruction
AH CS 1-18i / i-L	two-stage	Aeroplus 2.0	instruction
AH CS 1-25i / i-L	two-stage	Aeroplus 2.0	instruction
AH CS 30i / i-L	two-stage	Aeroplus 2.0	instruction
AH CS 6is-BWW-D *	All-In-One	Aeroplus 2.0	instruction
AH CS 8is-BWW-D *	All-In-One	Aeroplus 2.0	instruction
AH CS 10is-BWW *	All-In-One	Aeroplus 2.0	instruction
AH CS 12is-BWW *	All-In-One	Aeroplus 2.0	instruction
AH CS 1-10i / i-L *	single-stage	Aeroplus 2.0	instruction
AH CS 1-12i / i-L *	single-stage	Aeroplus 2.0	instruction
AH CB 1-10i / i-L *	single-stage	Aeroplus 2.0	instruction
AH CB 1-18i / i-L *	two-stage	Aeroplus 2.0	instruction
AH CS 1-31i / i-L *	two-stage	Aeroplus 2.0	instruction

* Software or controller – update required
The latest software must always be used for Aeroheat heat pumps.

1.5 Air/water Aeroheat – heat pumps Outdoor installation

device name	Typ	regulator	SG-Ready instructions
AH CI 8a	Inverter	Aeroplus 2.1	instruction
AH CI 12a	Inverter	Aeroplus 2.1	instruction
AH CI 1-16a	Inverter	Aeroplus 2.1	instruction
AH CS 1-14a	single-stage	Aeroplus 2.0	instruction
AH CS 1-18a	two-stage	Aeroplus 2.0	instruction
AH CS 1-25a	two-stage	Aeroplus 2.0	instruction
AH CS 30a	two-stage	Aeroplus 2.0	instruction
AH CN 5a	single-stage	Aeroplus 2.0	instruction
AH CN 7a	single-stage	Aeroplus 2.0	instruction
AH CN 9a	single-stage	Aeroplus 2.0	instruction
AH CNI 9a	Inverter	Aeroplus 2.1	instruction
AH CL 5a	Inverter	Aeroplus 2.1	instruction
AH CL 8a	Inverter	Aeroplus 2.1	instruction
AH CL 11a	Inverter	Aeroplus 2.1	instruction
AH CL 16a	Inverter	Aeroplus 2.1	instruction
AH CM 18a	Inverter	AH CM WR	instruction
AH CS 1-07a *	single-stage	Aeroplus 2.0	instruction
AH CS 1-08a *	single-stage	Aeroplus 2.0	instruction
AH CS 1-10a *	single-stage	Aeroplus 2.0	instruction
AH CS 1-12a *	single-stage	Aeroplus 2.0	instruction
AH CB 1-10a *	single-stage	Aeroplus 2.0	instruction
AH CB 1-18a *	two-stage	Aeroplus 2.0	instruction
AH CS 1-31a *	two-stage	Aeroplus 2.0	instruction
AP CP 45a	two-stage	Aeroplus 2.1	instruction
AH SCI	Inverter	Optiplus 3	instruction

* Software or controller – update required
The latest software must always be used for Aeroheat heat pumps.