

NIBE ACCESSORIES



NIBE ACCESSORIES

A new generation
of heat pumps

OVERVIEW

Extract of NIBE Accessories

| Ground source heat pumps | VPB 200 | VPB 300 | VPBS 300 | VPB | | | VPAS | AHPS/AHP | HPAC | | PCM 40 PCM 42 | FLM | PCS 44 | ECS 40 ECS 41 | POOL 40 | SMS 40 | Mobile App | RMU 40 | MODBUS 40 | AXC 40 |
|--------------------------|---------|---------|----------|-----|-----|------|------|----------|------|----|------------------|-----|--------|------------------|---------|--------|------------|--------|-----------|--------|
| | | | | 500 | 750 | 1000 | | | 40 | 45 | | | | | | | | | | |
| F1145 | × | × | × | × | × | × | × | | × | | × | × | × | × | × | × | × | × | × | × |
| F1145 PC | × | × | × | × | × | × | × | | | | | × | | × | × | × | × | × | × | × |
| F1155 | × | × | × | × | × | × | × | | × | | × | × | × | × | × | × | × | × | × | × |
| F1155 PC | × | × | × | × | × | × | × | | | | | × | | × | × | × | × | × | × | × |
| F1245 | | | | | | | | × | × | | × | × | × | × | × | × | × | × | × | × |
| F1245 PC | | | | | | | | | | | | × | | × | × | × | × | × | × | × |
| F1255 | | | | | | | | × | × | | × | × | × | × | × | × | × | × | × | × |
| F1255 PC | | | | | | | | × | × | | × | × | × | × | × | × | × | × | × | × |
| F1345 | | | | × | × | × | × | | | × | | × | | × | × | × | × | × | × | × |

| Exhaust air heat pumps | VPB 200 | VPBS 300 | AHPS/AHP | UKVS 230 | RMU 40 | SMS 40 | Mobile app | MODBUS 40 | SOLAR 41 | ECS 40 ECS 41 | RTS 40 | Cabinet | DEH 40 DEH 41 | MCU 10 | SPS 10 | RT 10 |
|------------------------|---------|----------|----------|----------|--------|--------|------------|-----------|----------|------------------|--------|---------|------------------|--------|--------|-------|
| | | | | | | | | | | | | | | | | |
| F470 | | | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| F750 | × | × | × | | × | × | × | × | | × | × | × | | | × | |

Air/water heat pump systems

| All-in-one-system | UKV | RG 10 | RE 10 | HR 10 | ACK 22 | ACK 28 | ESV 22 | ESV 28 | VCC 22 | VCC 28 | Bracket | KVR |
|---------------------|-----|-------|-------|-------|--------|--------|--------|--------|--------|--------|---------|-----|
| SPLIT - Pack 1 – 3 | × | × | × | × | × | | × | | × | | × | × |
| SPLIT - Pack 4 – 6 | × | × | × | × | | × | | × | | × | | × |
| SPLIT - Pack 7 – 11 | × | × | × | × | × | | × | | × | | × | × |

| Indoor module | UKV | VPB 200 | VPB 300 | VPBS 300 | VPB 500 | VPB 750-2 | VPB 1000 | VPA 300/200 | VPA 450/300 | VPAS 300/450 | ECS 40/41 | RTS 40 | SMS 40 | RMU 40 | MODBUS 40 | AXC | | ACS 310 |
|---------------|-----|---------|---------|----------|---------|-----------|----------|-------------|-------------|--------------|-----------|--------|--------|--------|-----------|-----|----|---------|
| | | | | | | | | | | | | | | | | 30 | 40 | |
| VVM 310 | × | | | | | | | | | | × | × | × | × | × | | × | × |
| VVM 320 | × | | | | | | | | | | × | × | × | × | × | | × | × |
| VVM 500 | × | | | | | | | | | | × | × | × | × | × | | × | × |
| SMO 20 | × | × | × | × | × | × | × | × | × | | | × | | | | | | |
| SMO 40 | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | | |

| Outdoor module | VVM 310 | VVM 320 | VVM 500 | SMO 20 | SMO 40 | Bracket | KVR |
|----------------|---------|---------|---------|--------|--------|---------|-----|
| | | | | | | | |
| F2040-12 | × | × | × | × | × | × | × |
| F2040-16 | × | | × | × | × | | × |
| F2030- 7,9 | × | × | × | × | × | | × |
| F2300- 14 | | | × | × | × | | × |
| F2300- 20 | | | × | × | × | | × |

| AXC 50 | ACS 45 | SOLAR | | RTS 40 | UKV | ELK | | | VST 11 | VST 20 | HR 10 | KB | | NV 10 | EMK 500 |
|--------|--------|-------|----|--------|-----|-----|-------|-----|--------|--------|-------|----|----|-------|---------|
| | | 40 | 42 | | | 15 | 26/42 | 213 | | | | 25 | 32 | | |
| | | | | | | | | | | | | | | | |
| | X | X | X | X | X | X | | X | | | X | X | X | X | |
| | | | X | X | X | X | | X | | | X | X | | X | |
| | X | X | X | X | X | X | | X | | | X | X | X | X | |
| | | | | X | X | X | | X | | | X | X | | X | |
| | X | | | X | X | X | | X | | | X | X | | X | |
| | | | | X | X | X | | X | | | X | X | | X | |
| | X | | | X | X | X | | X | | | X | | X | X | |
| | X | | | X | X | X | | X | | | X | | X | X | |
| X | X | | X | X | X | X | X | X | X | X | X | | X | X | X |

| SAM 40 | DKI 10 | SCA 40 | SCA 41 | SCA 42 |
|--------|--------|--------|--------|--------|
| | | | | |
| | | | | |
| | | | | |
| X | X | X | X | X |

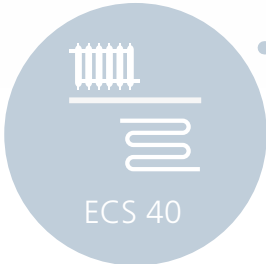
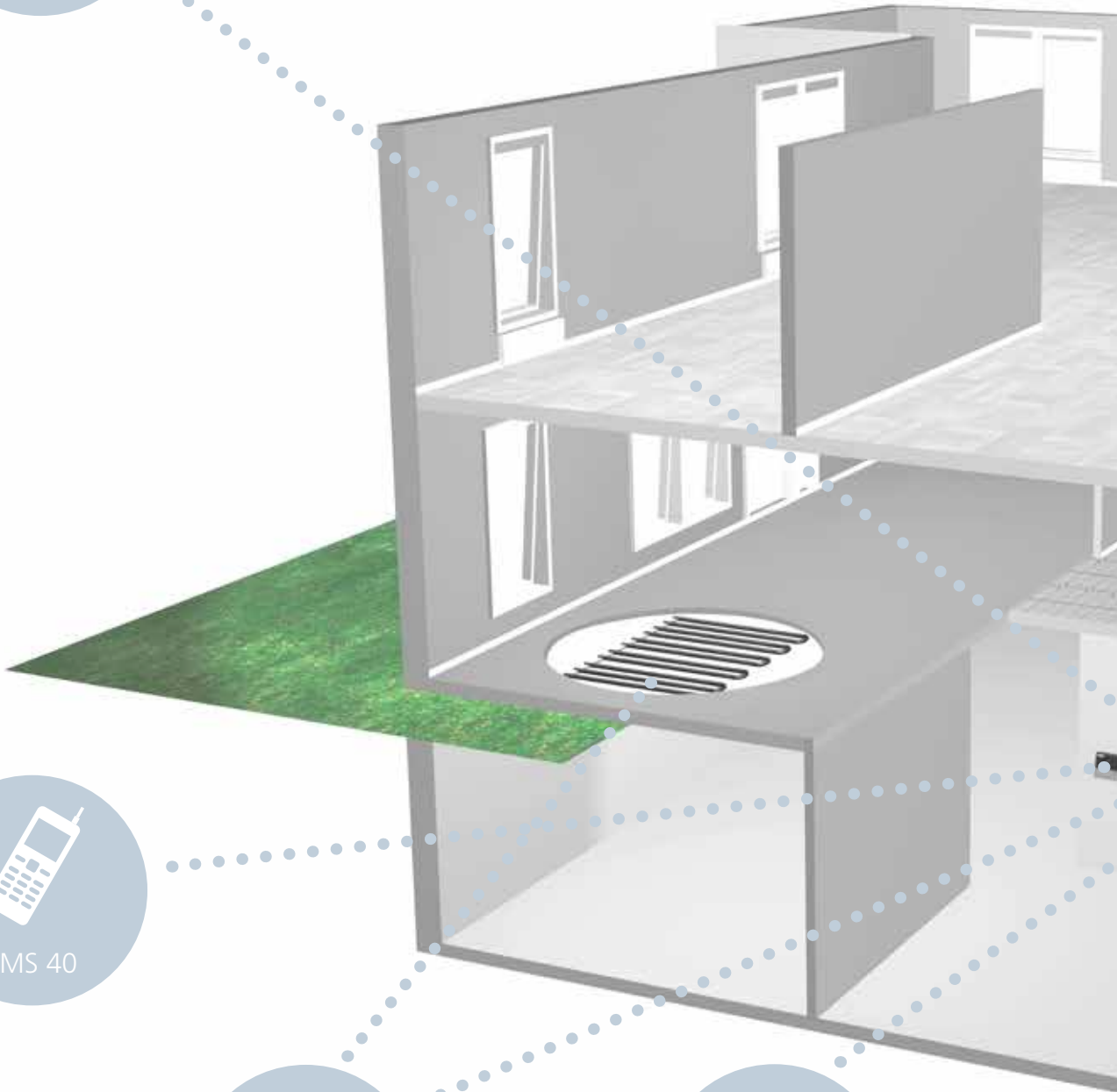
| DEH | | POOL | | | EMK | | | SCA | | Solar | | ELK | | | HR 10 | CPD10-25/55 | CPD10-25/60 | VST 05 | VST 11 | VST 20 |
|-----|-----|------|-----|-----|-----|-----|-----|-----|----|-------|----|-----|----|----|-------|-------------|-------------|--------|--------|--------|
| 310 | 500 | 40 | 310 | 500 | 300 | 310 | 500 | 30 | 35 | 40 | 42 | 5/8 | 15 | 26 | | | | | | |
| X | | | X | | X | X | | | X | | | X | X | | | X | | | | |
| | | | X | | X | | | | | | | X | X | | | X | | | | |
| | X | | | X | | | | X | X | | | X | X | X | X | X | | | | |
| | | | | | | | | | | | | X | X | X | | X | | X | X | X |
| | | X | | | X | | | | | X | X | X | X | X | X | X | X | X | X | X |

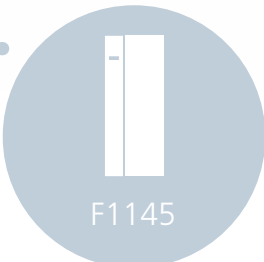
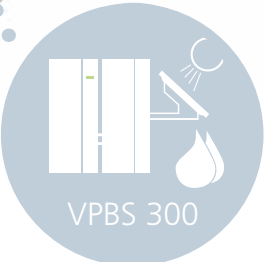
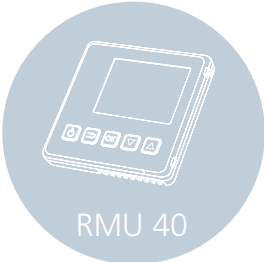
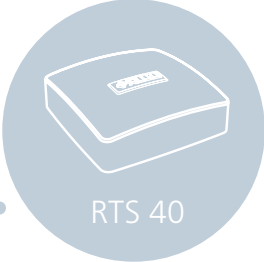
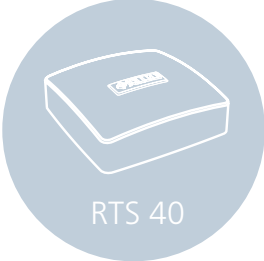
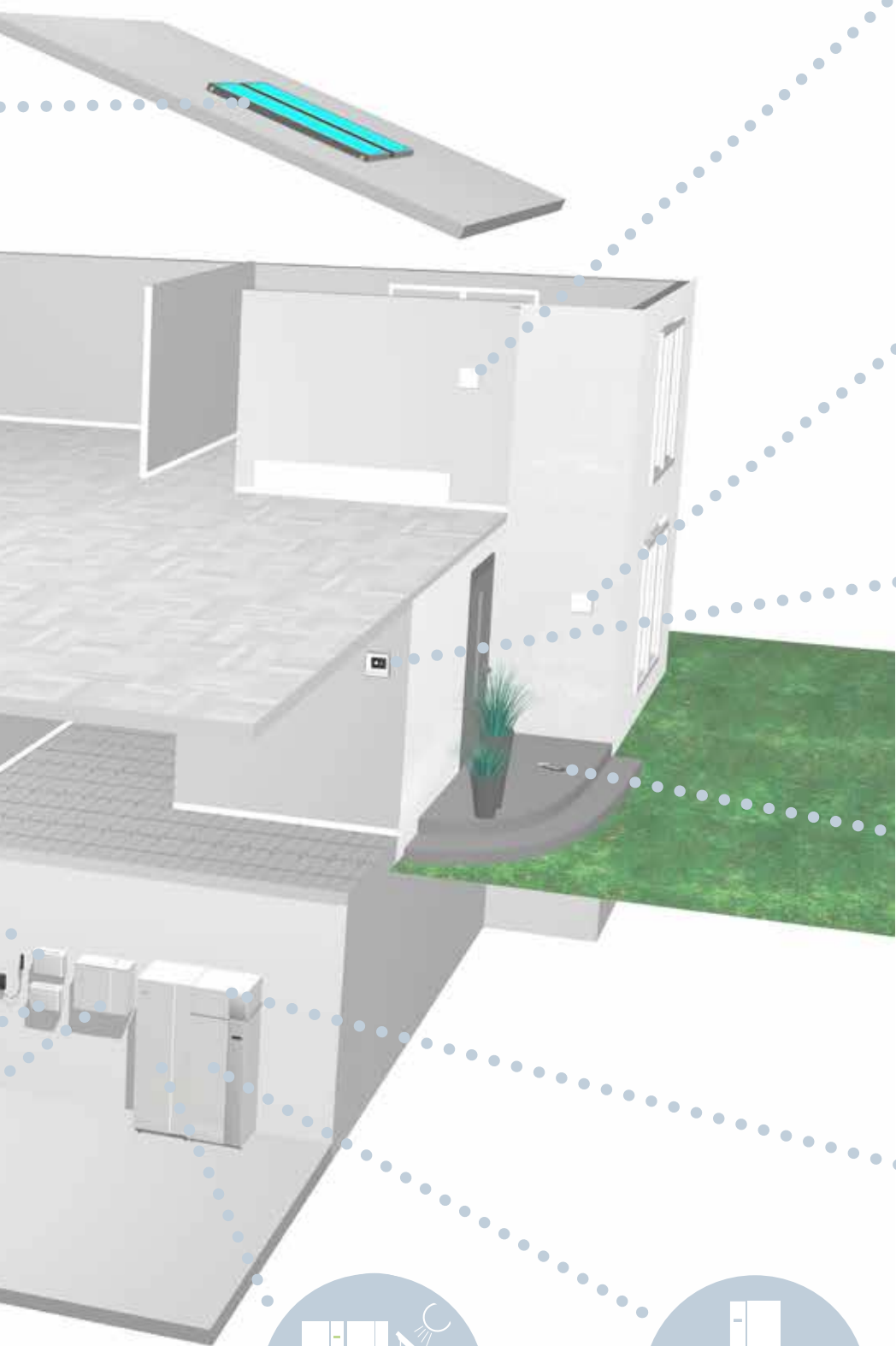
WHY ACCESSORIES?

Even more options to choose from

A NIBE heat pump is not just for heating and hot water. With the addition of various accessories, our new heat pumps can do much more than merely heat your home and hot water. For example, they can be used to cool your home in summer, ventilate it cost-effectively, or even heat your swimming pool. The relevant accessories are dimensioned to fit neatly together, giving the appearance of a single streamlined system. And since all accessories are controlled via the heat pump, you only have to learn to use one operating system.

NIBE ACCESSORIES INSTALLED IN YOUR HOME





GROUND SOURCE HEAT PUMP ACCESSORIES

The following accessories are all suitable together with our ground source heat pumps. You can find quick facts under each product. To see which accessories that are compatible with your heat pump, please see diagram on page 2 - 3. For more information, visit www.nibe.eu.

NIBE™ VPB 200

Storage tank

A separate storage tank that you can connect to your system. It provides the hot water you need, or boosts the capacity of an existing system.

NIBE VPB is the new generation of storage tank. It can be docked in several different ways in use with heat pumps such as NIBE F1145/F1155.



NIBE VPB 200

| | | | |
|----------------------------|-----------------|------------|------------|
| Corrosion protect. | Copper | Enamel | Stainless |
| Net weight | 101 kg | 111 kg | 80kg |
| Volume | 172 litres | 178 litres | 176 litres |
| Max pressure, primary side | 3/0.3 bar/MPa | | |
| Max pressure, water heater | 10/1.0 bar/MPa | | |
| Height/Width/Depth | 1500/600/600 mm | | |

NIBE™ VPB 300

Storage tank

A separate storage tank that you can connect to your system. It provides the hot water you need, or boosts the capacity of an existing system.

NIBE VPB is the new generation of accumulator tank. It can be docked in several different ways in use with heat pumps such as NIBE F1145/F1155.



NIBE VPB 300

| | | | |
|----------------------------|-----------------|------------|------------|
| Corrosion protect. | Enamel | Copper | Stainless |
| Net weight | 143 kg | 130 kg | 101 kg |
| Volume | 274 litres | 272 litres | 284 litres |
| Max pressure, primary side | 3/0.3 bar/MPa | | |
| Max pressure, water heater | 10/1.0 bar/MPa | | |
| Height/Width/Depth | 1800/600/600 mm | | |

NIBE™ VPBS 300

Storage tank

NIBE VPBS is a new type of water heater suitable for connection to and in combination with heat pumps and solar panels. For a truly comprehensive installation NIBE VPBS 300, with its integrated design, ways in use with heat pumps such as NIBE F1145/F1155.



NIBE VPBS 300

| | | |
|----------------------------|-----------------|------------|
| Corrosion protection | Copper | Enamel |
| Net weight | 137 kg | 150 kg |
| Volume | 266 litres | 268 litres |
| Volume, solar coil | 0,6 litres | 4.0 litres |
| Max pressure, primary side | 3/0.3 bar/MPa | |
| Max pressure, water heater | 10/1.0 bar/MPa | |
| Height/Width/Depth | 1800/600/600 mm | |

NIBE™ VPB 500-1000

Large volume water heaters

NIBE VPB is a range of efficient water heaters, with a wide range of applications, which are suitable for connection to heat pumps, gas or oil-fired boilers.

All models are intended for properties with large hot water requirements. They can also be suitable for connection in parallel for use in larger properties.



NIBE VPB 500/750/1000

| | |
|--------------------------|--------------------|
| Volume, hot water heater | 490/740/980 litres |
| Volume, coil | 6/7/2x6 litres |
| Length, coil | 15.7/18.8/15.7x2 m |
| Heat content at 50 °C | 23/35/46 kWh |
| Net weight | 190/220/280 kg |
| Height (excl. feet) | 1750/1965/2060 mm |
| Diameter | Ø 760/860/960 mm |

NIBE™ VPAS 300/450

Storage tank with water heater

Accumulator tank optimally prepared for connection to heat pumps in combination with solar panels.

NIBE VPAS is an accumulator tank that is primarily designed for connection to heat pumps in combination with solar panels.



NIBE VPAS 300/450

| | | |
|--------------------------------|------------|------------|
| Corrosion protection | Copper | Enamel |
| Volume, hot water heater | 300 litres | 300 litres |
| Volume, double-jacket | 450 litres | 450 litres |
| Net weight | 315 kg | 300 kg |
| Height (excl. feet 20 – 55 mm) | 2015 mm | |
| Diameter | Ø 860 mm | |
| Heat content at 50 °C | 17,4 kWh | |

NIBE™ FLM

Exhaust air module

The addition of NIBE FLM module further reduces your heating bills. Developed to work in conjunction with NIBE ground source heat pumps the FLM module recycles old, stale air from it to increase brine temperature and recharge you collector. Air quality is improved while warmth is maintained – all at no extra cost!



NIBE FLM

| | |
|------------------------------------|------------------|
| Supply voltage | 1x230 V, 50 Hz |
| Driving power fan | 175 W |
| Max driving power circulation pump | 70 W |
| Max airflow | 350 m3/h |
| Net weight | 35 kg |
| Height/Width/Depth | 396/ 600/ 556 mm |



NIBE™ AHPS/AHP

Storage tank

NIBE AHPS/AHP is a new series of accumulator tank. NIBE AHPS is a "technology tank", a tank with a little more flexibility. AHPS has a solar coil and a combined pre- and post-heating coil for hot water production. AHP is a volume expansion tank that is primarily used for expanding the volume with an AHPS. AHP and AHPS have the same type of exterior which gives a modern-looking installation. Several AHP units can be connected in parallel with one AHPS and receive energy from a small to medium sized wood fired boiler.



NIBE AHPS/AHP

| Type | AHPS | AHP |
|----------------------------|------------|--------------|
| Volume | litres 270 | 285 |
| Volume, solar coil | litres 4.4 | - |
| Max working temp | °C | 85 |
| Max pressure, primary side | bar/MPa | 3/0.3 |
| Max pressure, water heater | bar/MPa | 10/1.0 |
| Weight | kg | 140 130 |
| Height/Width/Depth | mm | 1800/600/600 |

NIBE™ HPAC 40

NIBE™ HPAC 45

Climate exchange module

NIBE HPAC accessory gives your installation a high degree of flexibility. It is compatible with the NIBE F1155/F1255/F1145/F1245/F1345 series, which was developed in such a way as to enable all the heat pump's potential applications - both heating and cooling. Combine your heat pump with NIBE HPAC 40/45 for passive or active cooling.



NIBE HPAC 40/NIBE HPAC 45

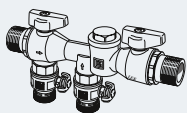
| | |
|-------------------------|-----------------------|
| Supply voltage | 1x230 V |
| Pipe attachment | R25 (1")/Cu42(1 1/2") |
| Intended for heat pumps | 5-17/ 20-60 kW |
| Weight | 40/51 kg |
| Height | 515/690 mm |
| Width | 600/600 mm |
| Depth | 380/495 mm |

NIBE™ KB 25

NIBE™ KB 32

Combination valve

Combination valve for filling up the brine. Including insulation.



KB 25 is for heat pumps of max. 12 kW.
KB 32 is for heat pumps of max. 30 kW.

NIBE™ NV 10

Level monitor

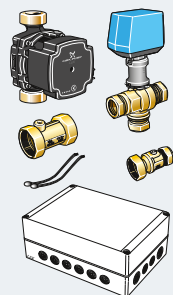
A level monitor must be installed if there is a demand or request from the local authorities for extended control of the tightness in the brine collector.



NIBE™ PCS 44

Passive cooling

NIBE PCS 44 is used when heat pump is installed in an installation with 4-pipe passive cooling demand.



NIBE PCS 44 includes:

Circulation pump, Shut-off valve, Non-return valve, accessory card and 2 pcs temperature sensors

NIBE™ ECS 40

NIBE™ ECS 41

Extra climate system

NIBE ECS is used when heat pump is installed in houses with up to four different climate systems that require different flow line temperatures, e.g. in cases where the house has both a radiator system and an under floor heating system.

ECS 40 is used for floor heating < 80 m².
ECS 41 is used for floor heating > 80 m².



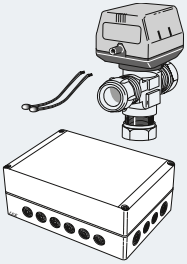
NIBE ECS 40/NIBE ECS 41

| | |
|----------------------|---------|
| Supply voltage | 1x230 V |
| KV value | 2.5/6.0 |
| Connection valve (Ø) | 22 mm |

NIBE™ POOL 40

Pool heating

An accessory that allows pool heating using heat pump.
The heat pump controls the reversing valve, pool circulation pump and any heating circuit circulation pumps via NIBE POOL 40. Suitable for max 17 kW heating power.



NIBE POOL 40 includes:

Shuttle valve, accessory card, 2 pcs temperature sensors.

NIBE™ SMS 40

GSM remote control

With NIBE SMS 40 the heat pump can be controlled and monitored remotely via SMS messages in your mobile phone.



NIBE SMS 40

| | |
|-----------------------------|---|
| Rated voltage | 12 VDC 45-80 mA |
| GSM | 850/900/1800/1900 |
| Operating temperature range | 0-60 °C |
| CE certification | In accordance with EN 55 014, EN 301 489, EN 61 000-4 and EN 60 950-1 |
| Height/Width/Depth | 44/153/107 mm |

NIBE™ MOBILE APP

Status control

Put full control of your NIBE heat pump in your pocket. Turn on the heat on your way home or check the status of your indoor climate from anywhere in the world, the possibilities are endless.



NIBE Mobile App Requirements

Compatible heat pump together with the accessories NIBE SMS 40 (version 33 or higher recommended) and an Android mobile phone.

NIBE™ RMU 40

Control module

With RMU 40 you can control and monitor your NIBE heat pump from another room in the house.

NIBE RMU 40 is equipped with a new multicolour display, with simple menus and symbols, which makes it easy for you to set a comfortable indoor climate.



NIBE RMU 40

| | |
|---------------|--|
| Rated voltage | 12 VDC 40 mA (supplied from the heatpump) |
|---------------|--|

NIBE™ MODBUS 40

Communication module

With MODBUS 40 a NIBE heat pump can be controlled and monitored by external equipment i.e. building management system.



NIBE MODBUS 40

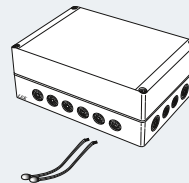
| | |
|-----------------------------|-----------------|
| Rated voltage | 12 VDC 45-80 mA |
| Operating temperature range | 0-60 °C |
| Height/Width/Depth | 44/153/107 mm |

NIBE™ AXC 40 NIBE™ AXC 50

Accessory card

This accessory is used to enable connection and control of e.g.:

- Shunt controlled additional heat
- Step controlled additional heat
- Pump for hot water circulation
- Ground water pump



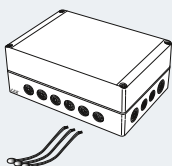
NIBE AXC 40 / NIBE AXC 50

| | |
|--------------------|----------------|
| Net weight | 2 kg |
| Supply voltage | 1x230 V, 50 Hz |
| Height/Width/Depth | 175/250/100 mm |

NIBE™ ACS 45

Active/passive cooling

This accessory makes it possible to control production of heating and cooling independently of each other in a 4-pipe installation.



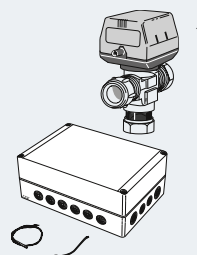
NIBE ACS 45

| | |
|--------------------|----------------|
| Net weight | 2 kg |
| Supply voltage | 1x230 V, 50 Hz |
| Height/Width/Depth | 175/250/100 mm |

NIBE™ SOLAR 40 NIBE™ SOLAR 42

Solar heating

NIBE SOLAR enables solar heating with your heat pump. With additional solar panels and VPAS or VPBS you get a complete system.



NIBE SOLAR 40/NIBE SOLAR 42

| | |
|--------------------|----------------|
| Voltage | 1x230 V |
| Height/Width/Depth | 175/250/100 mm |

* 3-way valve is not included in NIBE SOLAR 42

NIBE™ RTS 40

Room sensor

This accessory is used to obtain a more even indoor temperature.

NIBE RTS 40 has up to three functions:

1. Show current room temperature in the heat pump's display.
2. Option of changing the room temperature in °C.
3. Makes it possible to change/stabilise the room temperature



NIBE™ UKV

Buffer vessels for heating systems

NIBE UKV 40, 100 200, 300 and 500 are buffer tanks used together with heat pumps to increase the volume of water in the system for more even operation.



NIBE UKV

| | |
|------------------------|---------------------------|
| Volume | 40/100/200/300/500 litres |
| Max operating pressure | 6 bar |
| Working temperature | 40/100: 0-95°C |
| | 200/300: -10-95°C |
| | 500: 16-95°C |

NIBE™ ELK 15

Immersion heater

NIBE ELK 15 is an immersion heater primarily intended for installation together with heat pump for heating houses or smaller apartment blocks.

NIBE ELK 15 contains overheating protection and contactors to externally regulate the two power groups, 5.0 and 10.0 kW.



NIBE ELK 15

| | |
|----------------------------------|-------------------|
| Height/Width/Depth | 560/240/135 mm |
| Weight | 11 kg |
| Supply voltage | 3 x 400 V AC 50Hz |
| Output immersion heater | 15 kW |
| Fuse immersion heater | 25 A |
| Max permitted pressure in boiler | 0.7 MPa (7 bar) |
| Volume | 4.5 litres |

NIBE™ ELK 213

Electric heater

Electric heater for family houses and small apartment houses.

NIBE ELK-213 has a 7-litre, steel pressure vessel. The pressure vessel is designed and manufactured in accordance with current pressure vessel standards.



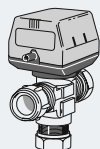
NIBE ELK 213

| | |
|------------------|------------------------------|
| Height | 605 mm |
| Diameter | 200 mm |
| Voltage | 380 – 400 V~ three-phase + N |
| Output | 7 – 13 kW |
| Working pressure | 3 bar (0.3 MPa) |
| Net weight | 18 kg |
| Volume | 7 litres |

NIBE™ VST 11

Hot water control

This accessory enables the heat pump to prioritize hot water charging on systems with floating condensing. Suitable for max 17 kw heating power.



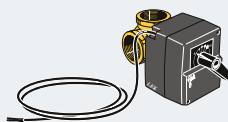
NIBE VST 11

| | |
|----------------|---------------------------|
| Supply voltage | 230 V, 50 Hz, 6 VA |
| Connections | Ø 28 mm, Compression ring |

NIBE™ VST 20

Hot water control

This accessory prioritize hot water possible at large heat pump outputs with charging power between 15 and 40 kW. This also requires a hot water accumulator, e.g. NIBE VPA.



NIBE VST 20

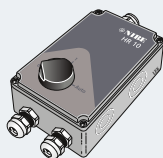
| | |
|---------------------|--------------------|
| Supply voltage | 230 V, 50 Hz, 6 VA |
| Connection | DN32 (1 1/4") |
| Max. charging power | 40 kW |

NIBE™ HR 10

Auxiliary relay

Auxiliary relay NIBE HR 10 is a connection box housing a contactor and a rotary selector switch.

It is used to control external 1 to 3-phase loads such as oil burners, immersion heaters and pumps.



NIBE™ ELK 26

NIBE™ ELK 42

Electric boiler

Electric boilers for additional heating for ground source heat pumps.



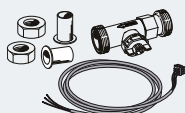
NIBE ELK 26/NIBE ELK 42

| | | | |
|----------------------------|------------------|-----|------|
| Volume | litres | 4.5 | 10.0 |
| Height | mm | 560 | 560 |
| Width | mm | 240 | 240 |
| Depth | mm | 135 | 135 |
| Weight | kg | 15 | 30 |
| Supply voltage | 400 V 3NAC 50 Hz | | |
| Output immersion heater | kW | 26 | 42 |
| Fuse immersion heater | A | 40 | 63 |
| Max pressure in the boiler | MPa (7bar) | 0.7 | 0.7 |

NIBE™ EMK 500

Energy meter kit

NIBE EMK 500 is used to meter the water flow for heat volume measurement together with the main control that displays the heat volume available for use.





EXHAUST AIR HEAT PUMP ACCESSORIES

The following accessories are all suitable together with our exhaust air heat pumps. You can find quick facts under each product. To see which accessories that are compatible with your heat pump, please see diagram on page 2 - 3. For more information, visit www.nibe.eu.

NIBE™ VPB 200

Storage tank

A separate storage tank that you can connect to your system. It provides the hot water you need, or boosts the capacity of an existing system.

NIBE VPB is the new generation of accumulator tanks. It can be docked in several different ways, e.g. to another heat pump such as the NIBE F750.



NIBE VPB 200

| | | | |
|----------------------------|-----------------|------------|------------|
| Corrosion protect. | Copper | Enamel | Stainless |
| Net weight | 101 kg | 111 kg | 80kg |
| Volume | 172 litres | 178 litres | 176 litres |
| Max pressure, primary side | 3/0.3 bar/MPa | | |
| Max pressure, water heater | 10/1.0 bar/MPa | | |
| Height/Width/Depth | 1500/600/600 mm | | |

NIBE™ VPBS 300

Storage tank

A separate storage tank that you can connect to your system.

NIBE VPBS is a new type of water heater suitable for connection to and in combination with heat pumps and solar panels. For a truly comprehensive installation NIBE VPBS 300, with its integrated design, is best combined with NIBE F750.



NIBE VPBS 300

| | | |
|----------------------------|-----------------|------------|
| Corrosion protection | Copper | Enamel |
| Net weight | 137 kg | 150 kg |
| Volume | 266 litres | 268 litres |
| Volume, solar coil | 4.4 litres | 4.0 litres |
| Max pressure, primary side | 3/0.3 bar/MPa | |
| Max pressure, water heater | 10/1.0 bar/MPa | |
| Height/Width/Depth | 1800/600/600 mm | |

NIBE™ AHPS/AHP

Storage tank

NIBE AHPS/AHP is a new series of accumulator tank. AHPS is a "technology tank", a tank with a little more flexibility. AHPS has a solar coil and a combined pre- and post-heating coil for hot water production.

AHP is a volume expansion tank that is primarily used for expanding the volume with an AHPS. AHP and AHPS have the same type of exterior which gives a modern-looking installation. Several AHP units can be connected in parallel with one AHPS and receive energy from a small to medium-sized wood fired boiler.



NIBE AHPS/AHP

| | | | |
|----------------------------|---------|--------------|-----|
| Type | | AHPS | AHP |
| Volume | litres | 270 | 285 |
| Volume, solar coil | litres | 4.4 | - |
| Max working temp | °C | 85 | |
| Max pressure, primary side | bar/MPa | 3/0.3 | |
| Max pressure, water heater | bar/MPa | 10/1.0 | - |
| Weight | kg | 140 | 130 |
| Height/Width/Depth | mm | 1800/600/600 | |

NIBE™ UKVS 230

Accumulator tank

NIBE UKVS 230 is an accumulator tank with coil for solar panels.

This accessory is intended to be used for heat storage when a smaller heat pump is docked with solar panels. It is also possible to dock another heat source. Solar system tailor-made to give optimum performance with NIBE F370/470.



NIBE UKVS 230

| | |
|------------------------|------------|
| Volume total | 230 litres |
| Max operating pressure | 2.5 bar |
| Operating temperature | max 95 °C |
| Weight | 80 kg |
| Diameter | 595 mm |
| Height | 1380 mm |

NIBE™ SMS 40

GSM remote control

With NIBE SMS 40 the heat pump can be controlled and monitored remotely via SMS messages in your mobile phone.



NIBE SMS 40

| | |
|-----------------------------|---|
| Rated voltage | 12 VDC 45-80 mA |
| GSM | 850/900/1800/1900 |
| Operating temperature range | 0-60 °C |
| CE certification | In accordance with EN 55 014, EN 301 489, EN 61 000-4 and EN 60 950-1 |
| Height/Width/Depth | 44/153/107 mm |

NIBE™ RMU 40

Control module

With RMU 40 you can control and monitor your NIBE heat pump (NIBE F370/F470/F750/F1145 and F1245) from another room in the house.

NIBE RMU 40 is equipped with a new multicolour display, with simple menus and symbols, which makes it easy for you to set a comfortable indoor climate.



NIBE RMU 40

| | |
|---------------|---|
| Rated voltage | 12 VDC 40 mA (supplied from the heat pump) |
|---------------|---|

NIBE™ MOBILE APP
Status control

Put full control of your NIBE heat pump in your pocket. Turn on the heat on your way home or check the status of your indoor climate from anywhere in the world, the possibilities are endless.



NIBE Mobile App Requirements

Compatible heat pumps together with the accessories NIBE SMS 40 (version 33 or higher recommended) and an Android mobile phone.

NIBE™ MODBUS 40
Communication module

With MODBUS 40 a NIBE heat pump can be controlled and monitored by external equipment i.e. building management system.

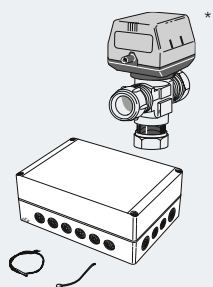


NIBE MODBUS 40

Rated voltage 12 VDC 45-80 mA
Operating temperature range 0-60 °C
Height/Width/Depth 44/153/107 mm

NIBE™ SOLAR 41
Solar heating

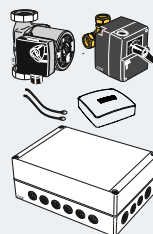
NIBE SOLAR enables solar heating with your heat pump. With additional solar panels and UKVS 230 or AHPS you get a complete system.



NIBE™ ECS 40
NIBE™ ECS 41
Extra heating circuit

NIBE ECS is used when the heat pump is installed in houses with up to four different climate systems that require different flow line temperatures, e.g. in cases where the house has both a radiator system and an under floor heating system.

ECS 40 is used for floor heating < 80 m².
ECS 41 is used for floor heating > 80 m².



NIBE ECS 40/NIBE ECS 41

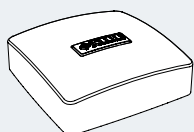
Supply voltage 1x230 V
KV value 2.5/6.0
Connection valve (Ø) 22 mm

NIBE™ RTS 40
Room sensor

This accessory can be used in combination with the accessory NIBE ECS 40 or 41 to obtain a more even indoor temperature.

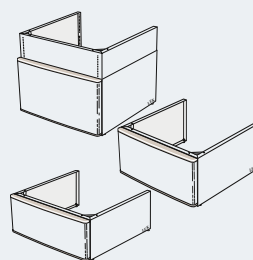
RTS 40 has up to three functions:

1. Show current room temperature in the heat pump's display.
2. Option of changing the room temperature in °C.
3. Makes it possible to change/stabilise the room temperature



NIBE™ CABINET
Covering cabinet

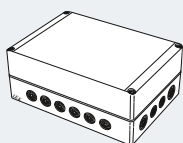
Upper cabinets for room heights up to 2400 mm, 2500 mm and from 2550-2800 mm.



NIBE™ DEH 40
NIBE™ DEH 41

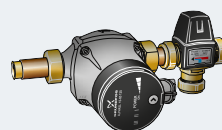
Docking kit

This accessory makes it possible to connect other heat sources to your exhaust air heat pump. DEH 40 is for wood, oil or pellets. DEH 41 is for gas.



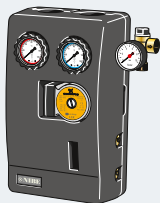
NIBE™ MCU 10
Multi charging unit

This accessory is being used in NIBE Solar package with F370/F470.



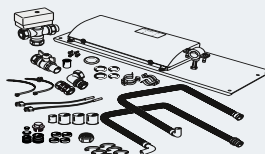
NIBE™ SPS 10
Solar pump station

This accessory are being used in NIBE Solar package with NIBE F370/F470/F750



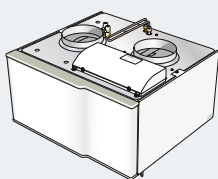
NIBE™ DEW 40
Docking kit

For docking a VPB 200 to a F750 in houses where there is a heavy demand for hot water.



NIBE™ SAM 40
Supply air module

NIBE SAM 40 is a supply air module specially developed for houses with supply and exhaust air systems.



NIBE™ SCA 40
NIBE™ SCA 41
NIBE™ SCA 42
Docking kit

NIBE SCA 40 is used to dock NIBE F750 to NIBE VPBS 300 in houses that have a solar installation and a large hot water demand.

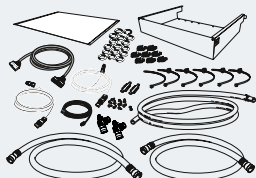
NIBE SCA 41 is used to dock NIBE F750 with NIBE AHPS as well as external additional heat.

NIBE SCA 42 has same functionality as NIBE SCA 41 but shall be used when NIBE SAM 40 is installed on top of NIBE AHPS 300.



NIBE™ DKI 10
Splitter kit F750

This accessory is used when NIBE F750 is installed in areas with low ceilings or when one for some reason wishes to split the heat pump.



NIBE™ RT 10
Room thermostat

For external control.



AIR/WATER HEAT PUMP ACCESSORIES

The following accessories are all suitable together with our air/water heat pumps. You can find quick facts under each product. To see which accessories that are compatible with your heat pump, please see diagram on page 2 - 3. For more information, visit www.nibe.eu.

ACCESSORIES FOR MONOBLOC

NIBE™ VPB 300

Storage tank



A separate storage tank that you can connect to your system. It provides the hot water you need, or boosts the capacity of an existing system.

NIBE VPB is the new generation of accumulator tank. It can be docked in several different ways.

NIBE VPB 300

| | | | |
|----------------------------|-----------------|------------|------------|
| Corrosion protect. | Enamel | Copper | Stainless |
| Net weight | 143 kg | 130 kg | 101 kg |
| Volume | 274 litres | 272 litres | 282 litres |
| Max pressure, primary side | 3/0.3 bar/MPa | | |
| Max pressure, water heater | 10/1.0 bar/MPa | | |
| Height/Width/Depth | 1800/600/600 mm | | |

NIBE™ VPBS 300

Storage tank



A separate storage tank that you can connect to your system. It provides the hot water you need, or boosts the capacity of an existing system.

NIBE VPBS is a new type of water heater suitable for connection to and in combination with heat pumps and solar panels.

NIBE VPBS 300

| | | |
|----------------------------|-----------------|------------|
| Corrosion protection | Copper | Enamel |
| Net weight | 137 kg | 150 kg |
| Volume | 266 litres | 268 litres |
| Volume, solar coil | 4.4 litres | 4.0 litres |
| Max pressure, primary side | 3/0.3 bar/MPa | |
| Max pressure, water heater | 10/1.0 bar/MPa | |
| Height/Width/Depth | 1800/600/600 mm | |

NIBE™ VPB 200

Storage tank



A separate storage tank that you can connect to your system. It provides the hot water you need, or boosts the capacity of an existing system.

NIBE VPB is the new generation of accumulator tank. It can be docked in several different ways.

NIBE VPB 200

| | | | |
|----------------------------|-----------------|------------|------------|
| Corrosion protect. | Copper | Enamel | Stainless |
| Net weight | 101 kg | 111 kg | 80kg |
| Volume | 172 litres | 178 litres | 176 litres |
| Max pressure, primary side | 3/0.3 bar/MPa | | |
| Max pressure, water heater | 10/1.0 bar/MPa | | |
| Height/Width/Depth | 1500/600/600 mm | | |

NIBE™ VVM 310

Flexible indoor module for heating and hot water



NIBE VVM 310 is a flexible indoor module and together with the NIBE's air/water outdoor modules creates a complete system to supply the building's heating and hot water requirements.

NIBE VVM 310 can receive energy from several different alternatives, e.g. from the NIBE F2026, F2030 and F2040 outdoor heat pumps.

NIBE VVM 310

| | |
|-------------------------|-----------------|
| Required ceiling height | 1910 mm |
| Height/Width/ Depth | 1800/600/615 mm |
| Weight | 140 kg |
| Volume | 270 litres |

NIBE™ VVM 320

Complete indoor module for heating and hot water.



NIBE VVM 320 is a complete indoor module and together with NIBE air/water outdoor modules creates a complete system to supply the building's heating and hot water requirements.

NIBE VVM 320 is connected in the top of the product. It is available in different kinds of anticorrosion protection, copper, enamel and stainless steel.

NIBE VVM 320

| | |
|-------------------------|-----------------|
| Required ceiling height | 1910 mm |
| Height/Width/ Depth | 1800/600/615 mm |
| Weight | 140 kg |
| Volume | 270 litres |

NIBE™ VVM 500

Flexible all in one indoor module for heating and hot water.



NIBE VVM 500 is a flexible indoor module and together with NIBE air/water outdoor modules creates a complete system to meet the building's heating and hot water demand.

Prepared for connection of all types of external heat sources. The connected external energy sources can be used both as normal supplementary heating source and as prioritized heating source i.e. using the energy from wood fired boiler when available.

A solar coil for easy connection of thermal solar panels is also included in NIBE VVM 500.

NIBE VVM 500

| | |
|-------------------------|-----------------|
| Required ceiling height | 2000 mm |
| Height/Width/ Depth | 1900/763/900 mm |
| Weight | 240 kg |



NIBE™ VPB 500-1000
Large volume water heaters

NIBE VPB is a range of efficient water heaters, with a wide range of applications, which are suitable for connection to heat pumps, gas or oil-fired boilers.

All models are intended for properties with large hot water requirements. They can also be suitable for connection in parallel for use in larger properties



NIBE VPB 500/750/1000

| | |
|--------------------------|--------------------|
| Volume, hot water heater | 490/740/980 litres |
| Volume, coil | 6/7/2x6 litres |
| Length, coil | 15.7/18.8/15.7x2 m |
| Heat content at 50 °C | 23/35/46 kWh |
| Net weight | 190/220/280 kg |
| Height (excl. feet) | 1750/1965/2060 mm |
| Diameter | Ø 760/860/960 mm |

NIBE™ VPA/VPAS

Water heated by heat pump or solar energy

NIBE VPA stores hot water and can be paired with any heat pump model that does not have a built-in water heater of its own, or in situations where large amounts of hot water are needed.

NIBE VPAS works in the same way, but is additionally fitted with a solar loop enabling the use of solar energy for both heating and hot water.



NIBE VPA/VPAS

| | |
|---|---|
| Volume, litres | VPA 300/200, VPA 450/300, VPAS 300/450 |
| Corrosion | Copper, enamel |
| Net weight, kg | 150–315 |
| Heat transfer, kWh (55/45 – 10/45°C) | 10,0/14,5/10,0 |
| Height/Width/Depth, mm | 1700, 2000, 2000/ 750, 850, 860 |

NIBE™ SMO 20/40
Control Module

NIBE SMO 20/SMO 40 is an advanced, intelligent control module equipped with the new generation controller for comfort, good economy and safe operation.

NIBE SMO 20/SMO 40 supports a broad range of different hydraulic schemes.

NIBE SMO 20/SMO 40 enables you to combine NIBE air/water heat pump with other equipment and create your own customized heating system. NIBE SMO 40 can control as many as eight heat pumps together in the same system.



| | |
|-------------|----------------|
| NIBE SMO 20 | 360x410x120 mm |
| NIBE SMO 40 | 360x410x120 mm |

NIBE™ RMU 40
Control module

With RMU 40 you can control and monitor your NIBE heat pump from another room in the house.

NIBE RMU 40 is equipped with an new multicolour display, with simple menus and symbols, which makes it easy for you to set a comfortable indoor climate.



NIBE RMU 40

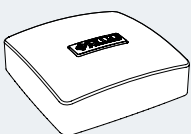
| | |
|---------------|---|
| Rated voltage | 12 VDC 40 mA (supplied from the heat pump) |
|---------------|---|

NIBE™ RTS 40
Room sensor

This accessory is used to obtain a more even indoor temperature.

NIBE RTS 40 has up to three functions:

1. Show current room temperature in the heat pump's display.
2. Option of changing the room temperature in °C.
3. Makes it possible to change/stabilise the room temperature



NIBE™ SMS 40
GSM remote control

With NIBE SMS 40 the heat pump can be controlled and monitored remotely via SMS messages in your mobile phone.

NIBE SMS 40

| | |
|-----------------------------|---|
| Rated voltage | 12 VDC 45-80 mA |
| GSM | 850/900/1800/1900 |
| Operating temperature range | 0-60 °C |
| CE certification | In accordance with EN 55 014, EN 301 489, EN 61 000-4 and EN 60 950-1 |
| Height/Width/Depth | 44/153/107 mm |



NIBE™ MODBUS 40

Communication module



With MODBUS 40 a NIBE heat pump can be controlled and monitored by external equipment i.e. building management system.

NIBE MODBUS 40

Rated voltage 12 VDC 45-80 mA
Operating temperature range 0-60 °C
Height/Width/Depth 44/153/107 mm

NIBE™ ECS 40

NIBE™ ECS 41

Extra climate system



NIBE ECS is used when heat pump is installed in houses with up to 8 different climate systems that require different flow line temperatures, e.g. in cases where the house has both a radiator system and an under floor heating system.

ECS 40 is used for floor heating < 80 m².
ECS 41 is used for floor heating > 80 m².

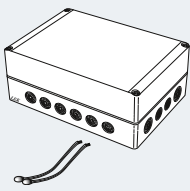
NIBE ECS 40/NIBE ECS 41

Supply voltage 1x230 V
KV value 2.5/6.0
Connection valve (Ø) 22 mm

NIBE™ AXC 30

NIBE™ AXC 40

Accessory card



This accessory is used to enable connection and control of e.g.:

- Shunt controlled additional heat
- Step controlled additional heat
- Pump for hot water circulation
- Hot water circulation

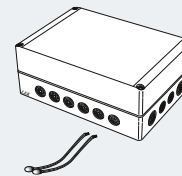
NIBE AXC 30 /NIBE AXC 40

Net weight 2 kg
Supply voltage 1x230 V, 50 Hz
Height/Width/Depth 175/250/100 mm

NIBE™ DEH 310

NIBE™ DEH 500

Docking kit



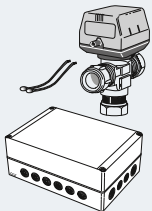
This accessory makes it possible to connect other external heat sources, both normal and prioritized, to your air/water heat pump.

NIBE™ POOL 40

NIBE™ POOL 310

NIBE™ POOL 500

Pool heating



An accessory that allows pool heating using heat pump.

The heat pump controls the reversing valve, pool circulation pump and any heating circuit circulation pumps. Suitable for max 17 kW heating power.

NIBE™ EMK 300

NIBE™ EMK 310

NIBE™ EMK 500

Energy measurement kit



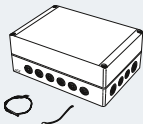
This accessory is used to measure the amount of energy produced by and supplied by the heating installation for hot water and heating in the building.

The function of the energy meter is to measure flow and temperature difference in the charge circuit.

NIBE™ SCA 30

NIBE™ SCA 35

Solar heating



NIBE SCA enables solar heating with your VVM indoor module.

NIBE SCA 30/NIBE SCA 35

Voltage 1x230 V
Height/Width/Depth 175/250/100 mm

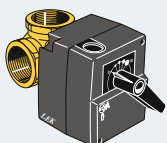
NIBE™ ACS 310

NIBE ACS 310 is an accessory that makes it possible for NIBE VVM 310/VVM 320/VVM 500 to control production of 4-pipe cooling.



NIBE™ VST 20

Hot water control



This accessory makes hot water priority possible at large heat pump outputs. This also requires a hot water accumulator, e.g. NIBE VPA.

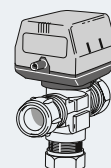
NIBE VST 20

Voltage 230 V, 50 Hz, 6 VA
Connection (VST 20) DN32 (1 1/4")

NIBE™ VST 05

NIBE™ VST 11

Hot water control



This accessory makes hot water priority possible at large heat pump outputs. This also requires a hot water accumulator, e.g. NIBE VPA.

NIBE VST 05/VST 11

Supply voltage 230 V, 50 Hz, 6 VA
Connection (VST 05) Ø22 mm Compression ring
Connections (VST 11) Ø 28 mm, Compression ring

NIBE™ ELK 213

Electric heater



Electric heater for family houses and small flats. NIBE ELK-213 has a 7-litre, steel pressure vessel. The pressure vessel is designed and manufactured in accordance with current pressure vessel standards.

NIBE ELK 213

| | |
|------------------|------------------------------|
| Volume | 7 litres |
| Height | 605 mm |
| Diameter | 200 mm |
| Voltage | 380 – 400 V~ three-phase + N |
| Output | 7 – 13 kW |
| Working pressure | 3 bar (0.3 MPa) |
| Net weight | 18 kg |

NIBE™ ELK 5,8/15 26/42

Immersion heater



NIBE ELK is an immersion heater primarily intended for installation together with a heat pump for heating houses or smaller flats.

NIBE ELK contains overheating protection and contactors to externally regulate the power groups.

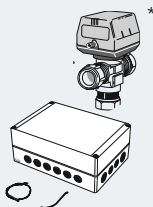
Used together with VVM or SMO systems.

NIBE ELK 15

| | |
|----------------------------------|-------------------|
| Height/Width/Depth | 560/240/135 mm |
| Weight | 11 kg |
| Volume | 4.5 litres |
| Supply voltage | 3 x 400 V AC 50Hz |
| Output immersion heater | 15 kW |
| Fuse immersion heater | 25 A |
| Max permitted pressure in boiler | 0.7 MPa (7 bar) |

NIBE™ SOLAR 40 NIBE™ SOLAR 42

Solar heating



NIBE SOLAR enables solar heating with your heat pump. With additional solar panels and VPAS or VPBS you get a complete system.

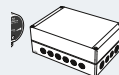
NIBE SOLAR 40/NIBE SOLAR 42

| | |
|--------------------|----------------|
| Voltage | 1x230 V |
| Height/Width/Depth | 175/250/100 mm |

* 3-way valve is not included in NIBE SOLAR 42

NIBE™ CPD 10

Charging pump



To be used together with NIBE SMO 20/ SMO 40 as charging pump.

| | |
|-----------------|-------------|
| F2030-7 and 9 | CPD10-25/55 |
| F2040-8 and 12 | CPD10-25/55 |
| F2300-20 and 14 | CPD10-25/60 |
| F2040-16 | CPD10-25/60 |

ACCESSORIES FOR SPLIT AND MONOBLOC

NIBE™ UKV

Buffer vessels for heating systems



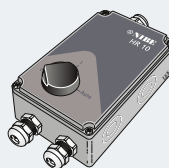
NIBE UKV 40, 100 200, 300 and 500 are buffer tanks used together with heat pumps to increase the volume of water in the system for more even operation. Only NIBE UKV 40 and UKV 100 can be used with the NIBE air/water heat pumps.

NIBE UKV

| | |
|------------------------|--|
| Volume | 40/100/200/300/500 litres |
| Max operating pressure | 6 bar |
| Working temperature | 40/100: 0-95°C 200/300: 10-95°C 500: 16-95°C |

NIBE™ HR 10

Auxiliary relay



Auxiliary relay NIBE HR 10 is a connection box housing a contactor and a rotary selector switch.

It is used to control external 1 to 3-phase loads such as oil burners, immersion heaters and pumps.

NIBE™ KVR

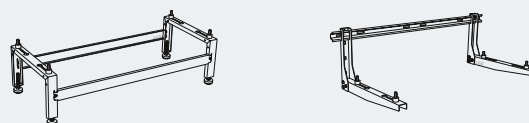
Condensation water pipe



Condensation water pipe, different lengths: 1 m, 3 m, 6 m:
Earth circuit breaker 1-phase.

NIBE™ BRACKET

Positioning of the heat pump



Choose between two alternative mountings. Either wall-mounted or standing on the ground.

ACCESSORIES FOR SPLIT

NIBE™ RE 10

Room unit



An external display with integrated room sensor. It is used if controller display is required in a separate room.

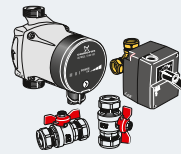
NIBE RE 10 can be used to read and modify menus and values which are accessible in the heat pump/electric boiler/control module.

NIBE RE 10

Height/Width/Depth 205/130/44 mm

NIBE™ ESV 22/28

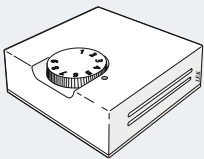
Extra shunt



This accessory is used when the indoor module is installed in houses with two different heating systems that require different flow line temperatures, e.g. in cases where the house has both a radiator system and an under floor heating system.

NIBE™ RG 10

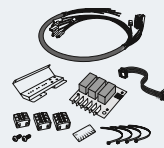
Room sensor



The room sensor can correct the temperature to radiators or floor loops depending on the increased indoor temperature in connection with solar incident radiation, heating from another heat source or increased indoor activity.

NIBE™ ACK 22/28

Cable kit

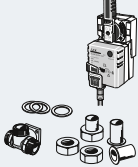


Cable kit for NIBE ESV 22/28 or VCC 22/28.

Needed for either NIBE ESV 22/28 or VCC 22/28. Only one ACK 22/28 if both are used.

NIBE™ VCC 22/28

Shuttle valve



SPLIT

This accessory is used when the indoor module in NIBE SPLIT is installed in houses with cooling and heating systems, for example, in cases where the house has a radiator system and fan convectors.







ENERGY FOR LIFE

We have an extensive and competent family of products. It comprises sustainable, energy-efficient heat pumps that have been designed and developed to deliver a perfect indoor climate. It's a smart family, packed with technical innovations that make life that much easier.

Our long experience and thousands of hours spent on development are reflected in our extensive range of products.

You can find out more about the NIBE family and other innovations at nibe.eu.



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