◆NIBE

NIBE Accessories

A NEW GENERATION
OF HEAT PUMPS

OVERVIEW

Extract of NIBE Accessories

Ground source heat pumps	VPB 200	VPB 300	VPBS 300	VPB 500	VPB 750	VPB 1000	VPAS	AHPS/AHP	HPAC 40	HPAC 45	PCM 40 PCM 42	FLM	PCS 44	ECS 40 ECS 41	POOL 40	SMS 40	Mobile App	RMU 40	MODBUS 40
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
F370			×	×	×	×	×	×	×	×	×	×	×	×	×
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 30	AXC 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
F2040-8	×	×	×	×	×	×	×
F2040-12	×	×	×	×	×	×	×
F2040-16	×	×	×	×	×		×
F2030- 7,9	×	×	×	×	×		×
F2300- 14			×	×	×		×
F2300- 20			×	×	×		×

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

RT 10	SAM 40	DKI 10	SCA 40	SCA 41	SCA 42
	X	X	X	X	X

ACS 310	DEH 310	DEH 500	POOL 40	POOL 310	POOL 500	EMK 300	EMK 310	EMK 500	SCA 30	SCA 35	Solar 40	Solar 42	ELK 5/8	ELK 15	ELK 26	ELK 42	ELK 213	HR 10	CPD10-25/55	CPD10-25/60	VST 05	VST 11	VST 20
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

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 stream-lined 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

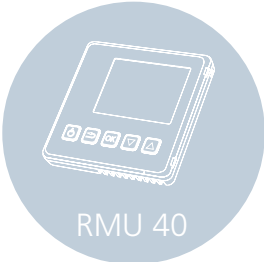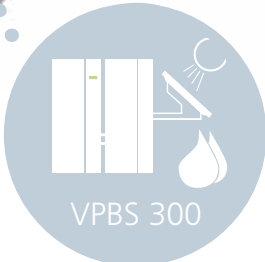SOLAR 42

SMS 40

ECS 40

HPAC 40
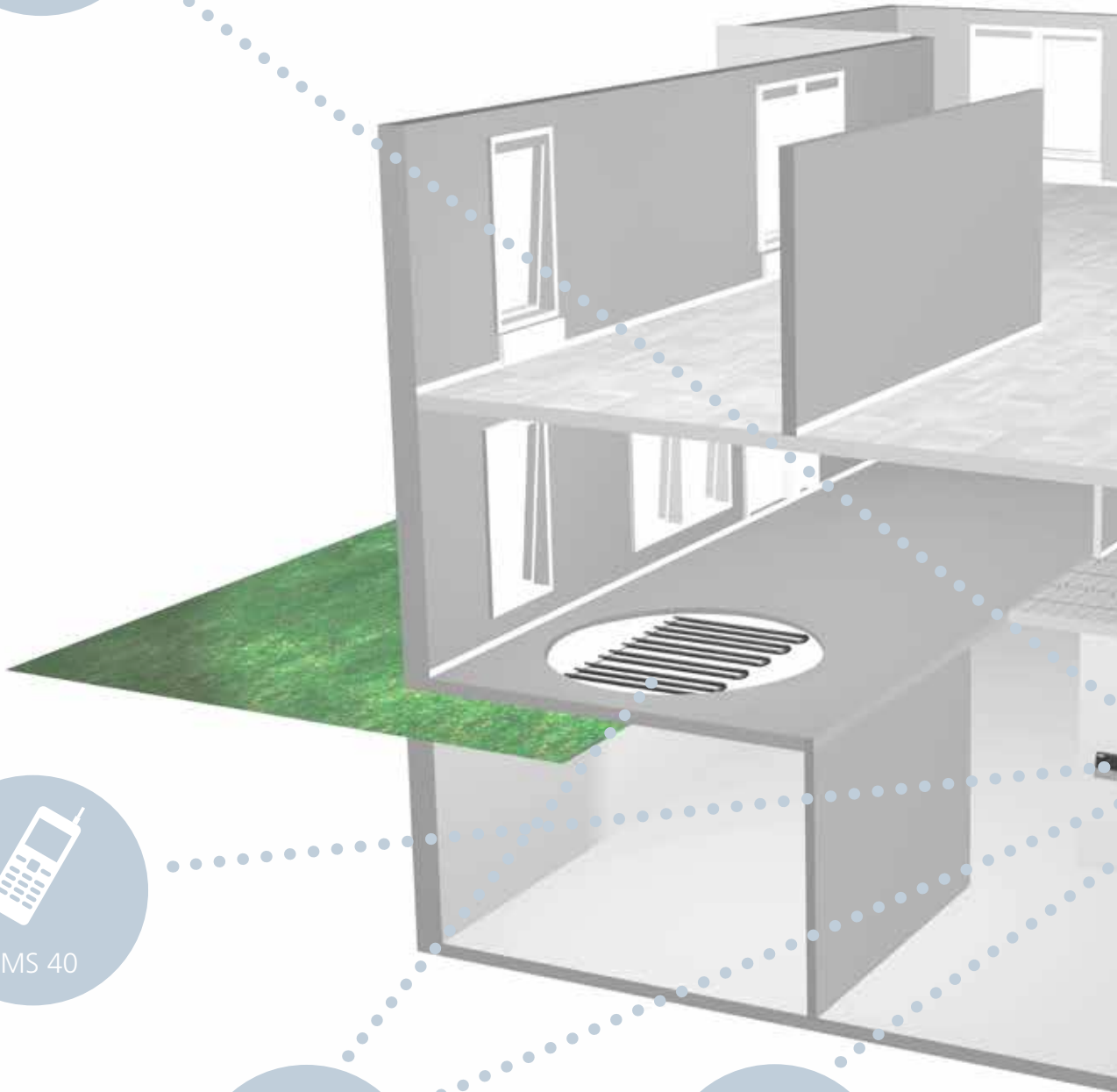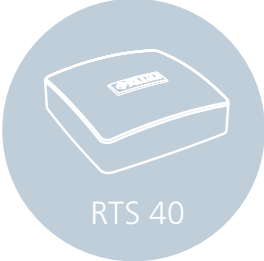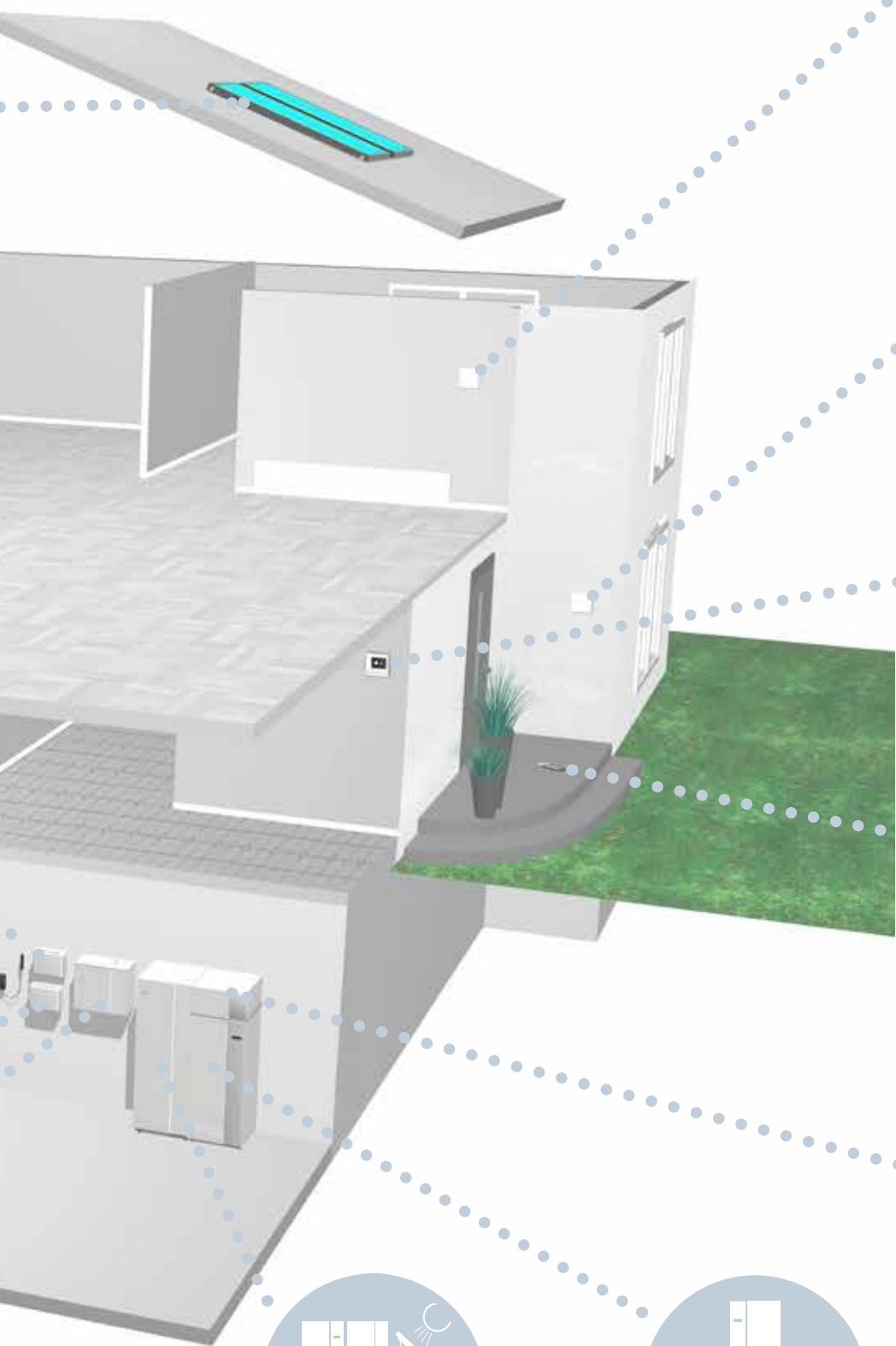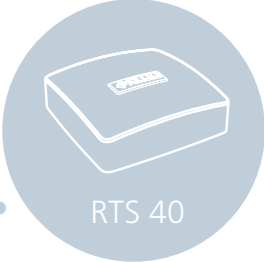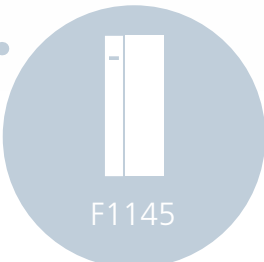
RTS 40

RTS 40

RMU 40

Mobile App

FLM

VPBS 300

F1145

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 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 ½")
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.
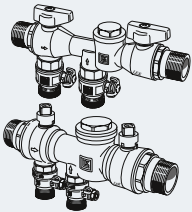
NIBE™ NV 10
Level monitor

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.
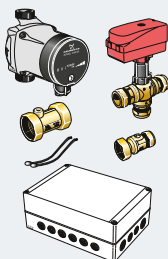
NIBE PCS 44 includes:
Circulation pump, Shut-off valve, Non-return valve, accessory card and 2 pcs temperature sensors
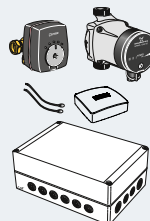
NIBE™ ECS 40
NIBE™ ECS 41
Extra climate system

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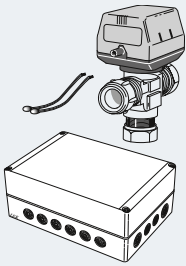ECS 41 is used for floor heating > 80 m².

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 possibilites 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 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 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
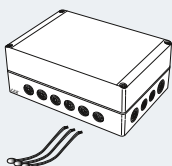- Pump for hot water circulation
- Ground water pump
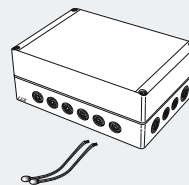
NIBE AXC 40 /NIBE AXC 50

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.
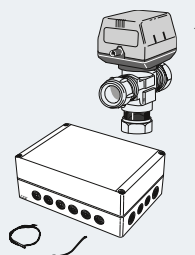
NIBE ACS 45

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 bolier	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.
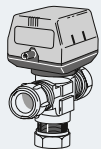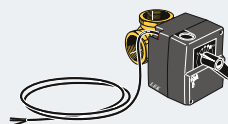
NIBE VST 11

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 (11/4")
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.
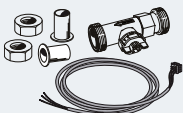
EXHAUST AIR HEAT PUMP ACCESSORIES

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 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™ 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 possibilites 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.
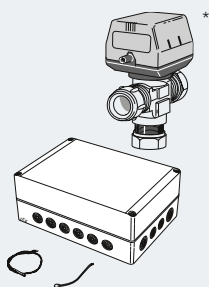
NIBE™ ECS 40
NIBE™ ECS 41
Extra heating circuit

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.
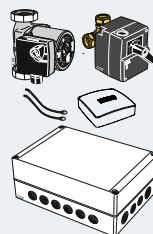
NIBE ECS 40/NIBE ECS 41

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
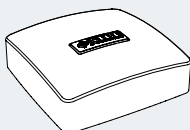
NIBE™ CABINET
Covering cabinet

Upper cabinets for room heights up to 2400 mm, 2500 mm and from 2550-2800 mm.
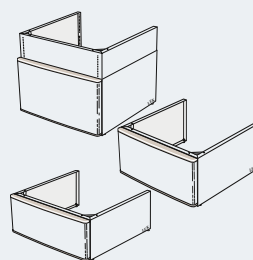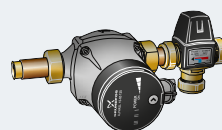
NIBE™ DEH 40
NIBE™ DEH 41
Docking kit

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.
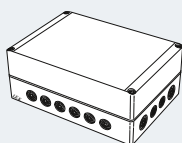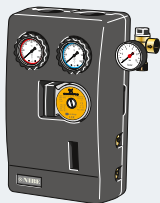
NIBE™ MCU 10
Multi charging unit

This accessory is being used in NIBE Solar package with F370/F470.
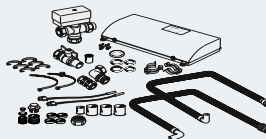
NIBE™ SPS 10
Solar pump station

This accessory are being used in NIBE Solar package with NIBE F370/F470/F750
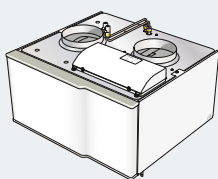
NIBE™ DEW 40
Docking kit

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.
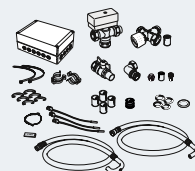
NIBE™ DKI 10
Splitter kit F750

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.
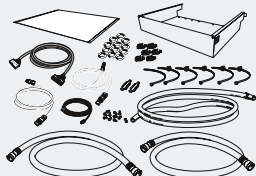
NIBE™ RT 10
Room thermostat

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 200

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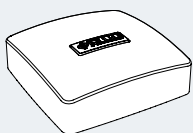
NIBE RMU 40 is equipped with an new multicolour display, with simple menus and symbols, which makes it easy for you to set a comfortable indoor climate.

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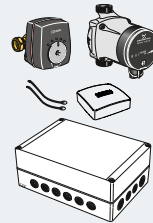
NIBE ECS is used when heat pump is installed in houses with up to 8 different climate systems that require different flow line temperatures, e.g. in cases where the house has both a radiator system and an under floor heating system.

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
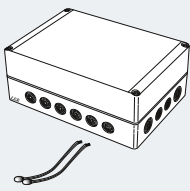
This accessory is used to enable connection and control of e.g.:
- Shunt controlled additional heat
- Step controlled additional heat
- Pump for hot water circulation
- Hot water circulaiton

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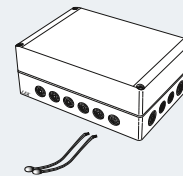
This accessory makes it possible to connect other external heat sources, both normal and proritized, to your air/water heat pump.

NIBE™ POOL 40
NIBE™ POOL 310
NIBE™ POOL 500

Pool heating
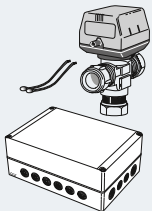
An accessory that allows pool heating using heat pump.

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
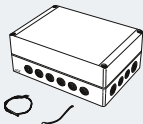
Energy measurement kit

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

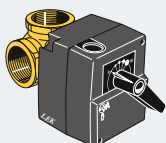|	
Voltage	1x230 V
Height/Width/Depth	175/250/100 mm

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.
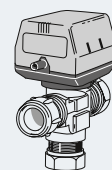
NIBE™ VST 20

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 (11/4")

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 bolier	0.7 MPa (7 bar)

NIBE™ SOLAR 40
NIBE™ SOLAR 42
Solar heating
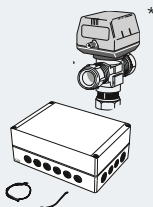
NIBE SOLAR enables solar heating with your heat pump. With additional solar panels and VPAS or VPBS you get a complete system.

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.
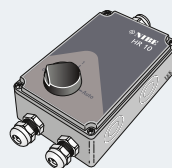Only NIBE UKV 40 and UKV 100 can be used with the NIBE air/water heat pumps.

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.
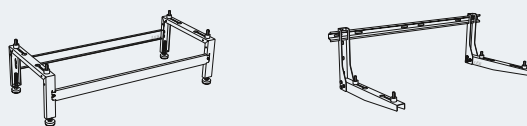
NIBE™ KVR
Condensation water pipe

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.
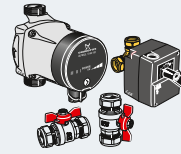
NIBE RE 10
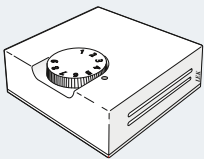Height/Width/Depth   205/130/44 mm

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.

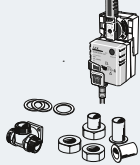### NIBE™ ACK 22/28
Cable kit
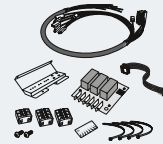
Cable kit for NIBE ESV 22/28 or VCC 22/28.

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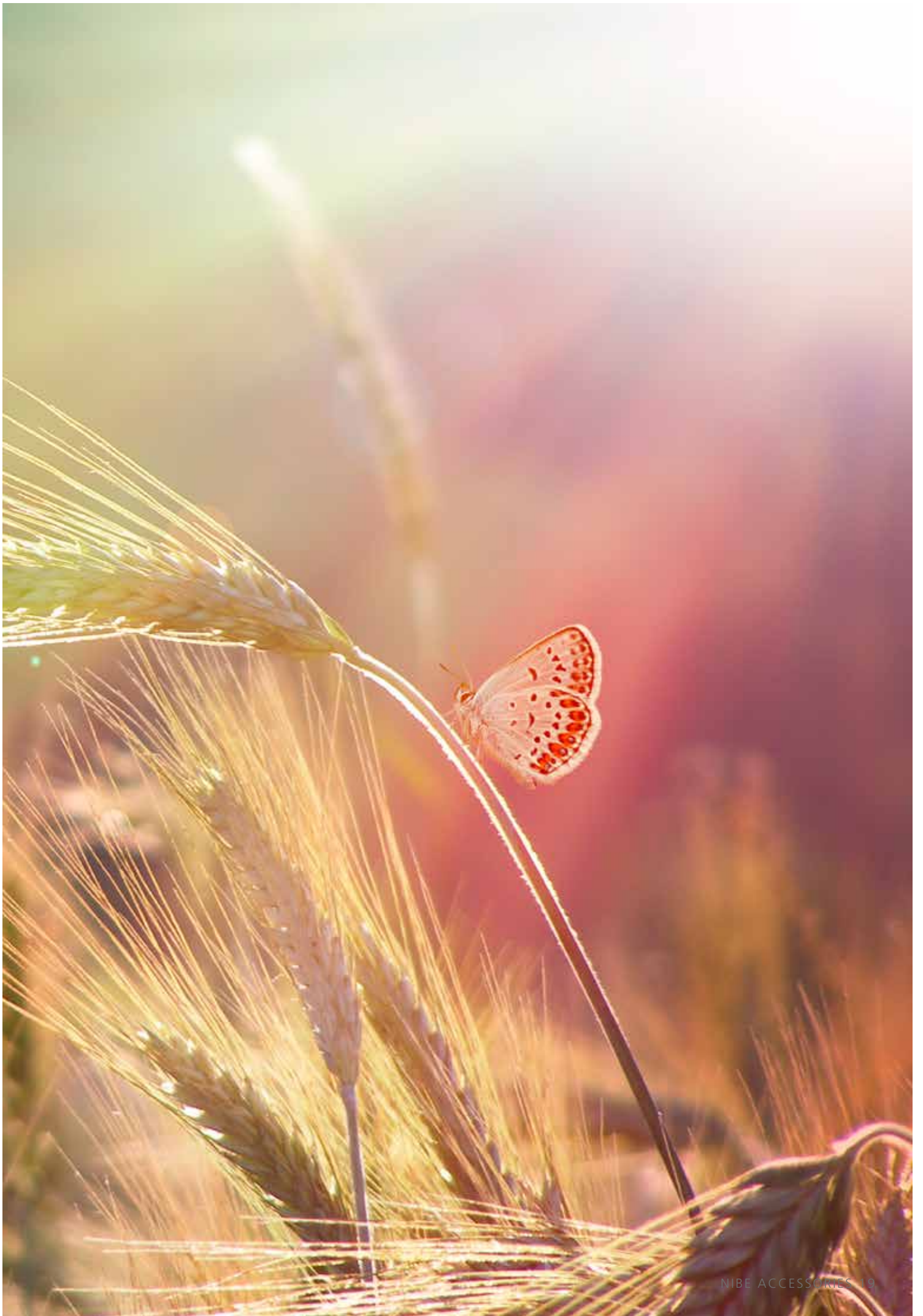
NIBE™ VCC 22/28
Shuttle valve

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

✧NIBE