Version: v9718R2
Release date: 2025-06-27

ADDED

- Added support for coming myUplink App 2.0
- Updated Smart Price Adaptation algorithms to prepare support for 15-minute electricity pricing periods
- Added supply temperature sensor pool, BT59, display only function
- S2125: Improved handling of high outdoor temperature limits. Added functionality to use BT1 sensor value from indoor unit

CHANGES

- Fixed issue with reset of alarm from myUplink
- Fixed issue with missing menu for software update from myUplink
- Minor adjustment of menu and menu texts

Version: v9711R3
Release date: 2025-03-05

CHANGES

- Fixed issue with some units losing contact with myUplink
- F2040/F2050: Improved start up procedure in cooling mode to prevent stops due to low pressure, alarm 156 ”low LP cooling”
- F2040/F2050: Changed handling of high ambient temperature alarms, which reduces shutdowns due to solar impact.

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Version: v9711R2
Release date: 2025-01-15

ADDED

- New Nord Pool zones added: AT, GER, FR and PL
- It is now possible to activate “run fan during defrost” from menu 4.9.7 in the control module. Only active down to -10°C
- Silent Mode: Updated speeds for S2125-8/12

CHANGES

- Improved connection to myUplink
- Improved functionality against myUplink
- Fixed issue with menu 4.1 not visible on myUplink even when SPA is available
- Fixed issue with room setpoint and parallel offset not visible on tile at myUplink
- Fixed issue where F2120/S2125 lost their software during the update of the indoor module

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Version: v9696R6
Release date: 2024-07-02

CHANGES

- Fixed issue with the unit not connecting to myUplink after update

Version: 9696R5
Release date: 2024-06-03

ADDED

- Improved compressor preheat function for S2125

CHANGES

- Fixed issue with alarms not synchronized between device and cloud
- Fixed issue with upgrading F2120/S2125 outdoor units
- Fixed issue on BT7 missing on myUplink

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Version: 9696R2
Release date: 2024-02-01

ADDED

- Improved functionality towards myUplink
- Added Portuguese language
- Possible to select up to 5 BT37 (Ext. Temp. sensors) on AUX in menu 5.4.
- F2040/F2050: Transitions to tank defrost at low flow during defrost
- Minor adjustments to the menu and menu texts
- New unique sensor alarms for each sensor, replacing alarm 227. BT84=740, BP9=742, BP8=744, BT28=746, BT17=748, BT3=750, BT16=752, BT15= 754, BT14=756, BT12=758
- New function: Added possibility to choose whether there is an additional heat source in hot water tank or not in menu 5.1.12. Can also choose if heat pump or the additional heat should produce hot water when degree minutes are below start value for additional heat
- Improved control of periodic increase together with preheating

CHANGES

- Fixed issue that menu 2.2 (hot water setting) was hidden when SPA was active even if hot water was not affected
- Fixed issue with updater via myUplink after language change
- Fixed issue with information message 580 ”cold outdoor temperature in cooling”

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Version: 9586R6
Release date: 2023-11-14

ADDED

- Updated calculations for Smart price adaptation, heat and hot water. This is to better manage negative electricity prices
- Improved functionality against myUplink
- Minor adjustments to the menu and menu texts
- S2125/F2120: Changed how software version is presented. Now the software version on e.g. S2125 is presented as v2.42.1 against previous v10881

CHANGES

- S2125: Fixed a problem with the preheating in connection with info message 580 “Cold outside air, cooling mode”

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Version: *v9586R2*
Release date: *2023-03-30*

ADDED

- Added support for Myuplink
- Added support for AMS20/F2050-10
- Improved energy log
- Added support for portuguese language
- Increased permitted maximum return temperature to 75 degrees for facilities with S2125 installed or in the absence of a heat pump
- Pump exercise added
- S2125: Improved handling of compressor preheating
- Delayed cooling indication added
- Fixed an issues with update of F2120/S2125 units
- F2040: Fixed an issue that you could get alarm 294 “Incompatible heat pump” at startup
- Fixed an issue that F2120 could stop during “silent mode”
- Improved handling of alarm “Cold outdoor air, cooling”(580)

CHANGES

- F2040/AMS: Improved frost protection in cooling operation
- Smaller adjustments to the menu and menu texts

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Version: *v9542R3*
Release date: *2022-11-14*

ADDED

- F2040/AMS: Improved frost protection in cooling operation

Version: *v9542R2*
Release date: *2022-03-17*

ADDED

- Compatible with S2125

CHANGES

- EME: Alarm 504 “The inverter has a message” has been changed from red light / to info alarm. Does not appear in the alarm log either
- F2040-6: Compressor is now stopped properly in case of alarm 343 (low supply temp, cooling)
- Default interval of periodic increase is now 7 days (previously 14 days)
- Improved alarm handling at low flow during defrosting
- The serial number of products manufactured on day 366 (leap year) is now accepted by the software
- Refined floor drying function, fixed an issue that caused the function not to end correctly
- Fixed an issue which caused DM not to be counted when stopping at low flow temperature in 4-pipe cooling
- Changed handling of high outdoor temperature in heating and cooling for F2120. The outdoor unit is now permitted to make a start attempt by running the fan before blocking the indoor unit
- Improved alarm handling in case of alarms 271 and 272 “cold/warm outdoor air” in heating operation
- Improved alarm handling at low flow during defrosting
- Changed the order of priority in the event of a periodic increase when, for example, “hot water economy”is selected via AUX input
- The default value “DOT” in menu 5.1.14 for country selection Denmark is now -12 degrees

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Version: 9303R8
Release date: 2021-07-05

ADDED

- Support for new display hardware. No other impact.

Version: 9303R7
Release date: 2021-03-22

CHANGES

- Switches to tank defrosting at low flow during defrost of F2120
- F2120: When an alarm occured in F2120, a translation error toward the indoor unit could occur, which could incorrectly give a communication error toward climate system in NIBE Uplink, this could i.a. lead to problems with periodic increase function.

Version: 9303R5
Release date: 2020-09-30

CHANGES

- Uppdate of F2120 through USB now works as intended again

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Version: 9303R4
Release date: 2020-06-24

ADDED

- New function floor drying logging added in the USB menu. Logging several floor dry relevant variables with an interval for 10 min in one file
- Cooling: Three more DM-steps added, also protection in the compressor control toward low cool supply line
- Adjustable silent mode-limitations
- Alarm for pressure switch climate system added. Activates through AUX-input. Alarm number 165 “Low pressure climate system”. The alarm is a redlight alarm without control action but lights the red diode and can give a notification through Uplink or SMS.
- Added a solution to problems scrolling in the menus. Prevents the display pointer from going back and forth. This eliminates the need to replace the display unit due to this problem.
- Added possibility to set minimum allowed speed in heating for charging pump/heating medium pump
- Additional max frequency is now available for “silent mode”. Each max frequency that should apply for each time is set in the scheduling menu 4.9.6

CHANGES

- Automatic accessory search did not find RMU40/MODBUS40
- Alarm texts on inverter alarm changed
- F2120: When a permanent communication error toward inverter, alarm 264 is shown in the indoor unit
- If a compressor protection is activated and are going to limit the speed, the speed can no longer be reduced as before
- EME20: Various fixes
- EME20: Improved communication with the accessory.
- Solved a problem that could make F2040 to run uncontrolled after a power failure and also result in alarm 294 “Uncompatible heat pump”.

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- F2120: Changed control during sensor calibration
- F2120: Manual charging pump speed for cooling can be set in menu 5.11.1.x.
- F2120: Tank defrosting works now as it should. The reversing valve QN10 could previously faulty turn during defrosting.
- Solves a problem with sensor error BT25 which could be shown even though the sensor never was connected. BT25 now needs to be connected at least five consecutive seconds to be considered to have been connected and able to give sensor error alarm.
- F135: Changed regulations regarding the function night cooling
- F2120: It is now possible to set the “fan de-icing” on repeat (the function is used each 10th defrost). Demands minimum version 607 in F2120
- Changed regulation in cooling mode with F2040, to prevent permanent alarm 156, “Low LP cool”
- Updated texts and translations
- If low flow is found during defrost, the charging pump runs to max speed during the rest of the defrost. If low flow remains after 30 sec. you will get the information message 523. Demands minimum version 607 in F2120
- F2120: New alarms added to separate high/low outdoor air for cooling (581, 580) and heating (272, 271)
- Improved regulation in cooling mode, supply line (BT12) is allowed to go down to 10 degrees during 10 minutes at compressor start to prevent alarm 229 (short operation times) in 2-pipe cooling
- F2040: Alarm 343 “Low temperature water out” now stops the compressor even if the compressor has not been active its minimum operation time
- Improved functionality when outdoor unit F2120 is updated from the indoor unit

Version: 8700R4
Release date: 2019-11-05

- Prevent updates of F2120 with v561

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Version: 8700R2
Release date: 2018-05-23

ADDED

- F2120: If serial number is missing both in the indoor and outdoor unit, there is now a possibility through USB menu to type a new serial number
- Super cooling added
- F2040-6: Pump-down-function added in menu 5.11.1.1
- Communication alarm toward EME20 added

CHANGES

- Solved a problem with displayed measured flow with the accessory EMK in Uplink. Previously measured value could be lost at low flows
- Removed a term for country selection Belgium: Max internal addition was 1kW
- EME20: If communication alarm toward PV-inverter occurs and is reset manually on the display, the alarm will not return
- EME20 now supports up to 12 PV-inverters
- F2040: If BT12 is below 5 degrees, the defrost is interrupted
- Sensor calibration runs the pump on max set speed instead of 100%
- F2120: Reversing valve QN10 is no longer in incorrect mode toward hotwater, when the heatpump is in cooling mode
- Solves a problem that could cause the product to restart if the activated vacation period was longer than 127 days
- Minor adjustments of menues and texts
- The setting “Defrost fan” from menu 5.11.1.1 is moved to a new menu “TOOLS 4.9.7”
- Factory setting of the outdoor unit now resets all variables in menu 5.11.1.1
- Charging pump could earlier stop at sensor fault on BT1
- F2040-6: The min operation time is now 10 minuters. Reversing valves are locked (if not in HW operation) if demand is over before the time has elapsed
- If power failure on F2040-6 the alarm “low outdoor air” could wrongly be shown
- F2120: If communciation fault occur, the indoor unit/control unit’s outdoor sensor BT1 is used for anti-freeze protection
- Blocking of heatpump through soft input was also blocking GP12 for addition

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Version: 8320R2
Release date: 2017-10-24

ADDED

- Now supports the accessory EME20
- F2040-6 added as compatible outdoor unit
- F2040: Alarm 228 “Failed defrost” added
- ”Activate economy” can now be selected in AUX-in (Menu 5.4)
- F2040: New information message 343 “Low temp water out” in cooling
- F2040: New information message 418 “Low temp water out“
- F2040: New information message 419 “Freeze prot. exch. defr“
- Smart control can now be selected in menu 2.2
- Smart Price Adaption is now supported if country selection Norway
- When exceeding max temperatur in the heatpump, information message 333 “high temp.out” and 334 “high temp in” is shown.
- Country selection Australia and New Zeeland added
- F2120: New information message 270 “Compr. preheat in progress“

CHANGES

- Addition in tank is deactivated when start temperature is below comfort mode normal, even during periodic increase. Previously this was an exception.
- F2040: Heat exchanger antifreeze protection defrosting: Different sizes have now different time- and frequency terms
- Control through Smart Price Adaption in Estonia and Finland could stop working after 24h running because of incorrect managing of time zones
- Improved control of Smart home function
- Operation statistic in menu 3.2 can no longer be zero, if you deactivate installed heatpump in menu 5.2.2 and then leave the menu
- F2040: Forced stop if the compressor is blocked through tariff
- Max flow temperature can now be set up to 80 °C if exteral flow temperature sensor BT25 is connected
- QR-code is updated with information regarding the outdoor unit if serial number is available (F2120)
- At startup / restart of VVM without rebooting the F2040, you could get information message 271 “Low outdoor air”. Now a value of BT 28 is required for at least 30 seconds before it gives the information message.
- Time zone Istanbul is now corrected and is always delayed with 3h compared to UTC

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Version: 8044R3
Release date: 2017-09-08

CHANGES

- The setting “cooling/heating sensor” in menu 1.9.5 disappeared in case of a restart if F2120 was installed
- 2-pipe cooling: Adjusted so the correct compressor speed is used in relation to DM
- F2040: Previously the compressor could remain blocked if it stopped while kept from speeding up due to a BP4 maximum limit. Now compressor will restart at minimum speed until the limit on BP4 is released.

Version: 8044R2
Release date: 2017-05-02

ADDED

- Soft output (AUX) status is now shown in the service info 3.1, only its function was shown before
- F2040: Alarm 156 ”low LP cool” added
- Electricity price region AWAT1 (Austria) added in the function Smart Price Adaption. Electricity price is now collected after 5PM the day before, instead of 2PM.
- F2120: Page in the service info (XTRA_SERVICE_I.KEY is required)
- Safety function that prevents the charging pump not running when the compressor is activated

CHANGES

- Periodic increase: If the compressor stops at high condensor, it can restart when BT6 is below start for comfort mode ”normal”
- Smaller adjustments of menues and menu texts
- The docking relay for wood burners priority addition is now blocked if periodic increase is activated
- The docking relay for wood burners priority addition is now blocked if heat is not allowed or a sensorfault on BT6 occurs
- F2120: Defrost starts direct if ”de-icing fan” is selected
- USB-logging: Pressure sensors BP8 and BP9 in F2120 have now correct names
- F2120: The setting ”defrost more often” in menu 5.11.x.1 was not saved if restarted, now corrected

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Version: 7840R3

Release date: 2017-02-24

CHANGES

- F2120 compressor is no longer stopped without apparent reason during ongoing defrost. This could lead to frozen evaporators which could cause the alarm 228 ”failed defrost”.
- After defrost QN10 will be set in its correct position immediately. Previously, the relay to QN10 could switch with three seconds intervals for a short time after defrosting.

Version: 7840R2

Release date: 2016-10-25

ADDED

- Sensor alarm (alarm 350) added to room sensor BT50. The alarm occurs if BT50 will be activated for control when it is not connected
- Function that enables to save the F2120 serial number and copy it to a new Spare part card in case of a replacement
- Åland added to the country selection menu
- Manual defrost in F2120 can now be started from the heat pump menu 5.11.1.1
- F2120: Added support for two Norwegian variants, 2x230V
- Alarm ”Low LP cooling” added for F2040 and F2120

CHANGES

- Indoor unit with single phase supply: If the outdoor unit is connected after the installation of the indoor unit, the compressor phase will be automatically set to L1 unless the compressor phase was chosen previously.
- The indoor unit makes an extra check which product is connected after a start-up, to avoid getting in to a ”bootloader-mode”
- New management of information messages for ”high/low outdoor temperature”, for instance not to block cooling if ”high outdoor temperature”
- Failed sensor calibration: If no flow sensor is connected and the pump speed is set to manual for all docked demands, the sensor calibration will no longer occur. A problem used to occur if a charging pump was connected to the outdoor unit.
- Periodic increase, addition after QN10 and alarm high condensor : QN10 could incorrectly go towards hot water

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Version: 7607R6

Release date: 2016-09-12

ADDED

- Supports new type of memory circuits for the display unit

Version: 7607R5

Release date: 2016-08-18

CHANGES

- Anti freeze protection for heat exchanger (condensor) in NIBE F2040 now stops the compressor in cooling mode

Version: 7607R4

Release date: 2016-07-08

CHANGES

- Increased max compressor frequence for NIBE F2120-20
- After upgrade of NIBE F2120 the display will restart
- F2120-20: The limitation in silent mode was too high
- Solved DM-calculation in 2-pipe cooling. If the start value was set to a higher value than 100 (default 30) no cooling demand was set

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Version: 7607R3

Release date: 2016-06-03

ADDED

- It is now possible to choose ”one time increase” in menu meny 2.1 (Temporary lux). When activating a temporary increase will start and stops when the demand is met. It is not shown in RMU.
- New AUX out function; Holiday. Activates AUX-relay in Holiday mode
- Icelandic language added
- Smart home functionality
- Wood docking function added as soft output
- Smart Price Adaption added for Estonia
- F2120 added as compatible outdoor unit
- myUpway activated for OEM products

CHANGES

- The desired compressor frequence is shown in the service info even during force control, it used to be 0
- Smaller adjustments for viewing and managing menus
- QN10 switches toward demand even if auto mode without heatpump is activated. Previoulsy it was always positioned towards heating.
- If you choose addition after QN10 the choice ”addition in tank” will no longer be shown, instead it will always be activated.
- Improved USB stability
- F2040 is changed to ” F2040/AMS10” in the Service info menu
- Compressor frequence control is changed in cooling. Previoulsy always 25Hz, now same DM control as heating.
- Adjustments for russian time zones
- If start and stop temperatures on hot water was changed, the HW-start did not always reset to factory settings.
- Solved a problem when a sensor fault sometime occured during startup/restart even though the sensor existed
- Solved a problem with the compressor did not stop if alarm 294 occured (incompatible outdoor unit)
- -28 and -24 is no longer shown as positive temperatures in menu ”my icons” if the alu.door is closed
- When reversing valve QN10 switches from heat to hot water it is supposed to wait until the current compressor speed is the same or lower than calculated speed for hot water. This has not been done since version 6086

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- Solved a problem with the display restarted if the SMO got a calculated effect 0 from the outdoor unit even the the compressor was activated
- Solved a problem with setting for own compressor curve could regress to default settings if a restart
- Logging of network status through USB ID number 31310 is a error code from NIBE Uplink and error code 31312 is an internal error code on the network
- Improved stability on the network connection
- 4-pipe cooling: Min value in the setting space of "start of cooling" in menu 4.9.2 changes from 15 to -20. Cooling used to be blocked if the outdoor unit was blocked for cooling, this function is now removed. The conditions for EQ1-QN12 to activate was that cooling should be allowed, this is now changed to "outdoor unit not blocked".

Version: 6899R3
Release date: 2015-07-01

ADDED

- A red flag in the display if the firmware is a test version
- Menu for country selection, menu 5.12
- If logging is active, this is shown on the USB-icon in the main menu (does not apply to OEM)
- R-version of the firmware is now shown in the default logging
- If the compressor stops due to "High condensor out" during periodic increase, the compressor will be blocked from doing hot water as long as the periodic increase is active.
- F2040-12 and -16 are limited to 16A and 85Hz if the country is Austria
- Sensor BT74 is now selectable in soft inputs, menu 5.4.

CHANGES

- Periodic increase; if installed electric power was set to 0.0kW and the BT6 was higher than hot water stop temperature, the increase was terminated and alarm 181 occured.
- Lowest setting for start active cooling is changed from 30 to 10 DM.
- When BT1 exceeds 10 degrees the antifreeze protection is inactive, if the outdoor unit is not selected or if there is a com-error toward the same
- Hot water is now blocked when tariff blocking. This because of blocking of HW exists as AUX
- The function regarding which sensor should be used for cooling/heating is now fixed. BT74 is selected directly if it is connected.
- Smart price and BBR only exists if the country is set to Finland, Sweden or Denmark

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- Flow sensor BT25 selected on soft input is calculating DM now also with 2-pipes cooling
- Cooling: Min. adjustable range of delta T at 20 and 40 from 2K to 3K, menu 1.9.5
- HW need disappears completly during phase detection. When the phase detection is done, there must be a new HW demand on BT6 before the compressor and/or addition will make hot water again.
- If both BT6 and BT7 are missing, "--°" is shown in the display on the big drop, before it showed "0°"
- Default setting on the fuse size is now 16A, before 25A.
- The time is set by syncronising with a NTP server and thereby always correct directly if Uplink is connected
- HW immersion heater is now allowed to be active even when the compressor is blocked in soft inputs.
- HW immersion heater can be activated even though 0 electrical step is selected
- Hot water topup is changed from start if BT6 < stopp - 2K to start if BT6 < (start + stopp)/2
- DM is no longer locked on high values (over 2000) if you set "start compressor" and "start difference addition" in menu 4.9.3 very low. DM can now go lower than -3276
- "Start difference addition" in menu 4.9.3 can now be set up to 2000DM, earlier 1000DM
- Improved management of operating mode sensor (BT74) for switching between heating/cooling
- Antifreeze protection of the outdoor unit has improved with hysteresis. Start when BT28 shows 2,0 °C and stop at 2,5 °C.
- Cooling 2-pipes: "Start of cooling" can be set lower than "stop of heating" in menu 4.9.2
- Addition after QN10: If a sensor fault on BT25, DM is calculated on BT71+10. Is BT71 missing, DM is calculated on BT12 as before
- Solves a problem that could cause the display to restart
- When changes are made in menu 5.11.1.1, they are send to the outdoor unit

Version: 6421R7
Release date: 2014-08-29

ADDED

- Metrotherm added

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Version: 6421R6

Release date: 2014-06-23

ADDED

- Cooling function
- Smart Price Adaption
- Target temperature control for HW-load. Delta or Target temp can be chosen in menu 5.1.1

ALARMS

- New info alarm, 901. Alarms when the placement of QN10 does not match with other settings that have been made. The alarm will also reset the placement om QN10 (with information to the user) so the system will be compatible.

MENUES

- Headline in menu 4.6 was faulty written when russian language was selected
- The time hand in time&date-menu will now be placed with hours as standard, instead of minutes which was the previous case
- Improved menu design in the forced control menu
- Translation updates in all languages
- In the main menu a ”info alarm symbol” will be shown when an info alarm occurs
- Status for addition in tank will now be shown only if there is a value on the time factor. It used to be shown in the setting terms (addition before or after QN10).

FIXES

- The second counter for the floor dryer did run too fast when you were in the menu for heating curve
- We do not run any state machines or set functions before the variable memory is loaded. It could occur earlier e.g. alarms on non existing sensors
- F2040: When start-up and HW-need; this could take three minutes before QN10 switched to HW. It now occurs as soon as a HW-need.
- Calculated supply temperature is now calculated correctly direct when start-up. It used to take 1 minute with min. supply temperature

CHANGES MADE IN EXISTING FUNCTIONS

- F2040: If the compressor speed ramps down because of overcurrent, 1Hz/regelation does not apply. Then the same ramp down as before applies, i.e. 20 and 6Hz/30sec depending on current meter.
- F2040 - compressor frequence change: every change of desired frequence is now set to 1Hz. The interval between changes are 60 sec. if heat and current speed is above the map frequencies. In other cases the interval are 5 sec.
- F2040-8 is always loading HW with power curve high

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- When addition after QN10:
  If operation mode GP12 auto and addition are activated:
  - The pump speed sets to 70% or if any other terms the pump will stop
- Blocking of HW through soft input, if input was closed over 24h at a time, a periodic increase will start.

DEMO-FIRMWARE

- You can choose which outdoor unit you want to simulate
- A-settings in menu 5.11.x.1 are ok in DEMO_MODE
- In demo mode BT1 and BT71 were set to zero in conjunction with +Adjust. Previous values are reimported.

Version: 6135R2

Release date: 2014-03-28

CHANGES

ADDED

- BlockFreq for compressor frequence for NIBE F2040
- Menues
  - Possibility to reset factory settings in the outdoor unit. Select ”heat pump” in menu 5.5 ”factory settings service”
  - Time factor for ”add. heat info” in menu 3.3
  - SG Ready
  - Page for AUX-settings (5.4) in the startguide is shown if something is connected on any AUX-input
  - Stop temperature ”compressor” for F2040, menu 5.11.1.1. Adjustable from -20°C to -2°C
- Alarm for DEMO:
  - Wrong program
  - Wrong serial number
- Listing of compressor starts are blocked when communication alarm are activated towards EB10x
- Demo note is visible in demo versions
- Sensor calibration
  - Starts 90sec after start up
  - If failed sensor calibration info alarm 354 or 355 is shown depending on which sensors that could not be calibrated
- Alarm for ”failed periodic increase”
- Max change of calculated compressor frequence over mapping value is 5Hz / 300s.
- Support for F2015

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CHANGES MADE IN EXISTING FUNCTIONS

- Default setting for placement of addition. Default is now TS after QN10.
- If you change from default placement of TS, the setting will now be remained after restart
- No exercise of addition when the start guide is activated
- If "aid mode" is activated to any demand during an alarm, the log is saving the current operation mode for the addition. This used to function only on the operation mode of the compressor.
- F2040's calculated compressor frequency chart is adjusted to make a smoother control
- When logging of LOG.SET the variable numbers are shown on selected variables that are in menu 7.2.1 "Logging"
- Dead reckoning of DM:
  - A check is made to see if any reversing valve is set from heat to activate the dead reckoning it used to check current operation mode.
  - Dead reckoning occurs if the value for dead reckoning is below calculated flow temperature and DM is over "start compressor"
- If no "alarm action" is selected you can not activate "aid mode" in the alarm menu. It says "aid mode activated" without possibility to select aid mode.
- Calculated flow temperature is now calculated on the average temperature of the outdoor temperature BT1 over one hour
- The room sensor BT50 has now an average value calculated over 15 minutes
- Improved antifreeze function for the heating system
- Reversing valve QN10 could switch to hot water and back if HW-demand occurred, compressor was blocked and addition in tank was activated
- The controller does not take in consideration information alarm from EB10x (eg high condenser in/out) in operation mode "only addition"
- Addition in tank is activated correctly during periodic increase. It used to start before 0.1K during HW-stop for periodic increase.
- GP12 can not be set below 1%, earlier 0%
- "Compressor phase" is hidden in menu 3.1 and 5.11.1.1
- Addition in tank is blocked at the same time as the addition during scheduled blocking or AUX-blocking addition
- The average value for BT28 was used only for calculation of compressor frequences, now it is also used to decide the operation area for the outdoor units
- Max compressor frequence is now calculated of compressor size on EB10x and of the outdoor temperature
- Defrost:
  - If passive defrost on EB10x and intermittent operation mode on GP12 and no active addition before QN10, EB10x-GP12 will stop immediately
  - "If a defrost occurs and the time left for current priorisation is below 5 min, it will switch to next priori-

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sation directly after finished defrost", now also applies on passive defrost.

- Period times can not be set between 1-9 minutes
- AUX-Blocking that is blocking heat operation deactivates the antifreeze toward the heating system
- Addition in tank was not activated correctly towards hot water in comfort mode "luxury" when compressor was active towards heating and DM was below "start addition"
- Load monitor
  Addition:
  - During rampup compressor frequency is limited to actual frequency
  - Received current value from outdoor unit exceeds set max power - 2A
  - Received current value from outdoor unit exceeds set fuse size - 2A
  Changes:
  - Current on the compressor phase exceeds fuse size - 2A. (Used to be 1A)
  - If decrease of calculated compressor frequence shall happen because of the load monitor, this is changed to 6Hz /30sec if the limitation is done on MHI's current meter, otherwise with 20Hz as it used to be.
- Update compressor frequence curve for hot water load with low effect
- Dead reckoning added to apply also two minutes after QN10 switched to heat from another demand
- If a compressor is blocked for high condenser in/out during periodic increase, it will not produce hot water until the periodic increase is stopped
- Min. delta in hot water load is changed from 2.0K to 1.0K

MENUES

- Better order on pages in the start guide
- Removed country flags in language menu 4.6
- The alarm will show correct operating status and operating time if an alarm occurs
- Menu service info
  - Removed "build time" and "build date"
  - Updated the order of pages and the information on the pages
- Updated translations
  - Replaced "slave" as name for EB10x. EB10x is now called "heat pump"
- When info alarm disappeared it said "no text" and an empty box. Now the alarm text is still there until you have displayed it
- Decreased back light intensity slightly to extend the life time of the display
- A warning and yes/no-choises added when you are in the forced control menu
- Minimum time between stop and start for F2040 is changed from 3 to 5 minutes
- Correction of quick start function for F2040. The reckoning "time to start" could stop when quick start was activated.

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Version: 4849R5

Release date: 2013-11-15

CHANGES

- If the terms for tank defrost was met, the defrost towards tank will go on until the defrost is finished. Earlier it shifted during defrost back to the heating system if the terms of tank defrosting was no longer fulfilled.
- If operating mode ”Additional heating only” was selected and the installed slave was removed from service menu “INSTALLED SLAVES 5.2.2”, the reversing valve QN10 could never set against hot water. This is corrected.

Version: 4849R4

Release date: 2013-10-25

CHANGES

- Support NIBE Uplink
- Soft output is changed from AA3-X7 to AA2-X4. SMO 20 uses AA2-X4 due entrance card is missin
- Menues
  - Heating medium pump is added to be shown in ”my icons”
  - Option “Additional heat in tank” doesn’t show if hot water is not selected as accessory
  - Changed prio-times so it cannot be set between 1-10 minutes
  - SMO 20 is changing default charging pump from serial no 13-287. Menu for exchanging charging pump (7.4) added. This menu demands INTCONFIG.KEY, same as F1245 etc.
  - Option for speed on GP10 has been removed. In forced control menu (5.6) forced control exist for external heating medium pump (GP10), earlier you could set the PWM-signal even though GP10 is not PWM-controlled.
  - Doesn’t show alarm actions for hot water if hot water is not selected as accessory.
  - Diff for addition can not be set below 100, previously it was possible to set to 0.
- Hot water
  - Hot water demand is corrected in only addition. It used to be a hot water demand when BT6 was below HW-stop.
  - Addition in hot water tank activates properly in Periodic Increase when BT6 is below HW-start.
- Min. supply line for F2040 is changed so that when the outdoor temperature -20°C to +25°C it is 25°C. Then it goes in a straight line from 25°C till 43°C.
- Defrosting
  - Upon active tank defrost, priority could be stuck in hot water and the hot water addition was constantly active
  - Because of a misreading of a defrost from the outdoor unit, SMO read that an active defrost lasted a second after a passive defrost, resulting that GP12 operated 100%
  - When defrosting (except tank defrost) QN10 is always positioned towards the heating system

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- Pumps
  - Adjustment for GP12 when speed is or below 20% is limited to 2 percentage
  - Minimum speed for GP12 is 30% if addition before QN10 is activated

Version: 4272R6

Release date: 2013-06-27

First version

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