



NIBE SPLIT
Dockings

Technical Product Spectra Update

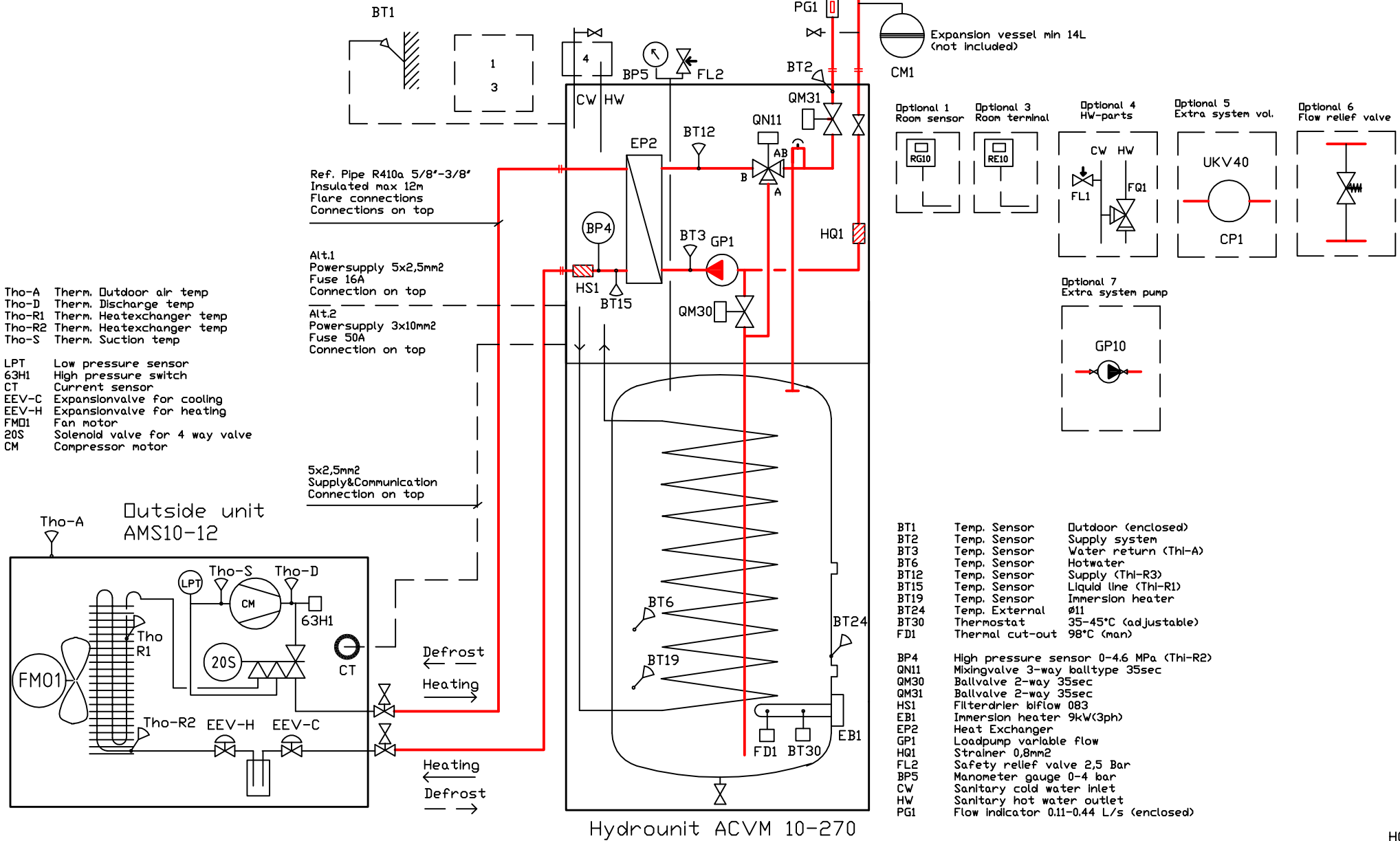
NIBE Split PS no 1

Heating:
 QM30 Closed
 QM31 Open
 QN11 Active below balance point (A)

Hotwatermode:
 QM30 Open
 QM31 Closed
 QN11 Open (AB)

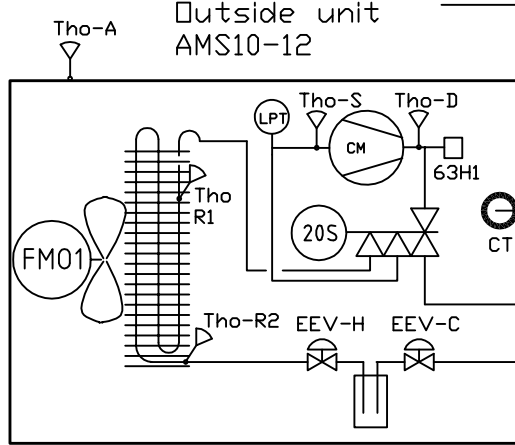
Pumpcapacity GP1 (l/s):
 0,16 at 50kPa
 0,28 at 42kPa
 0,39 at 27kPa
 0,5 at 10kPa

Systemrequirement:
 Systemvolume > 50L
 Non restricted flow
 See technical data for more info



- Tho-A Therm. Outdoor air temp
- Tho-D Therm. Discharge temp
- Tho-R1 Therm. Heatexchanger temp
- Tho-R2 Therm. Heatexchanger temp
- Tho-S Therm. Suction temp
- LPT Low pressure sensor
- 63H1 High pressure switch
- CT Current sensor
- EEV-C Expansionvalve for cooling
- EEV-H Expansionvalve for heating
- FM01 Fan motor
- 20S Solenoid valve for 4 way valve
- CM Compressor motor

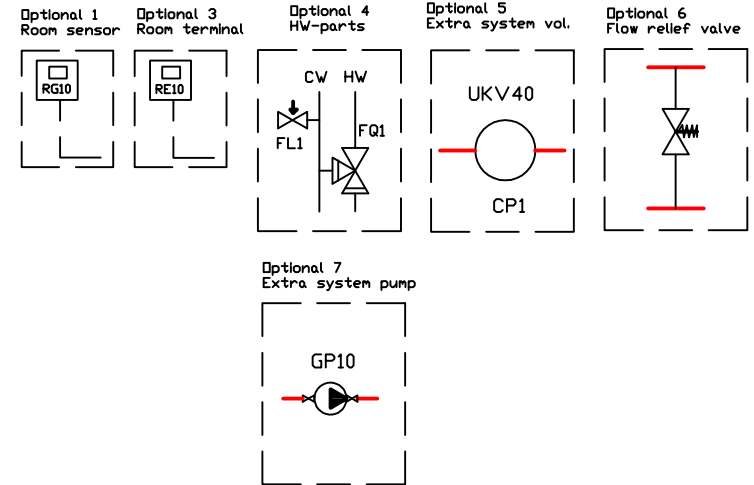
5x2,5mm2
 Supply&Communication
 Connection on top



Ref. Pipe R410a 5/8"-3/8"
 Insulated max 12m
 Flare connections
 Connections on top

Alt.1
 Powersupply 5x2,5mm2
 Fuse 16A
 Connection on top

Alt.2
 Powersupply 3x10mm2
 Fuse 50A
 Connection on top



- BT1 Temp. Sensor Outdoor (enclosed)
- BT2 Temp. Sensor Supply system
- BT3 Temp. Sensor Water return (Thi-A)
- BT6 Temp. Sensor Hotwater
- BT12 Temp. Sensor Supply (Thi-R3)
- BT15 Temp. Sensor Liquid line (Thi-R1)
- BT19 Temp. Sensor Immersion heater
- BT24 Temp. External Ø11
- BT30 Thermostat 35-45°C (adjustable)
- FD1 Thermal cut-out 98°C (man)
- BP4 High pressure sensor 0-4.6 MPa (Thi-R2)
- QN11 Mixingvalve 3-way balltype 35sec
- QM30 Ballvalve 2-way 35sec
- QM31 Ballvalve 2-way 35sec
- HS1 Filterdrier biflow 083
- EB1 Immersion heater 9kW(3ph)
- EP2 Heat Exchanger
- GP1 Loadpump variable flow
- HQ1 Strainer 0,8mm2
- FL2 Safety relief valve 2,5 Bar
- BP5 Manometer gauge 0-4 bar
- CW Sanitary cold water inlet
- HW Sanitary hot water outlet
- PG1 Flow Indicator 0.11-0.44 L/s (enclosed)

NIBE Split PS no 2

Heating:

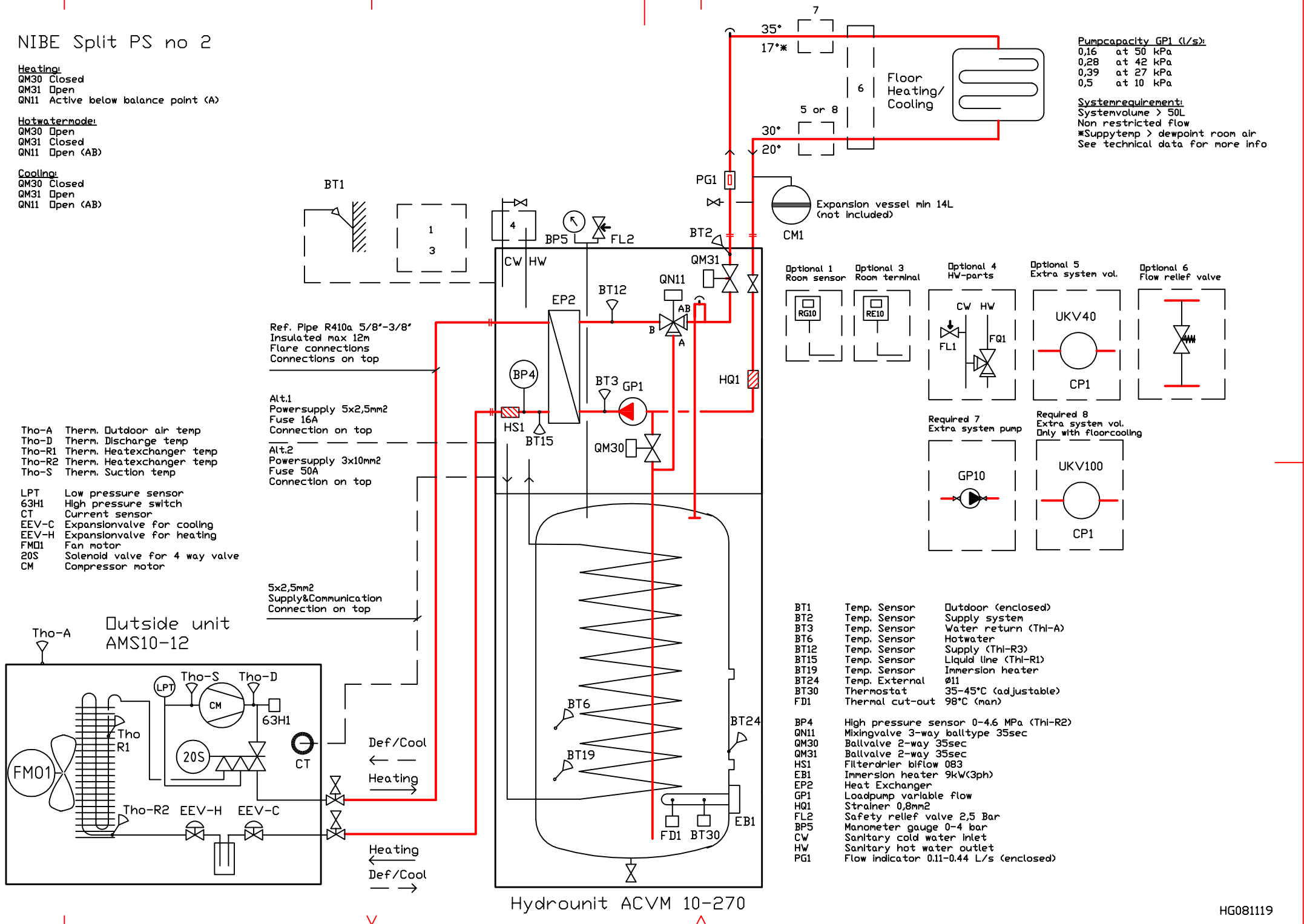
- QM30 Closed
- QM31 Open
- QN11 Active below balance point (A)

Hotwatermode:

- QM30 Open
- QM31 Closed
- QN11 Open (AB)

Cooling:

- QM30 Closed
- QM31 Open
- QN11 Open (AB)



Pumpcapacity GP1 (L/s):

0,16	at 50 kPa
0,28	at 42 kPa
0,39	at 27 kPa
0,5	at 10 kPa

Systemrequirement:
 Systemvolume > 50L
 Non restricted flow
 *Supplytemp > dewpoint room air
 See technical data for more info

Ref. Pipe R410a 5/8"-3/8"
 Insulated max 12m
 Flare connections
 Connections on top

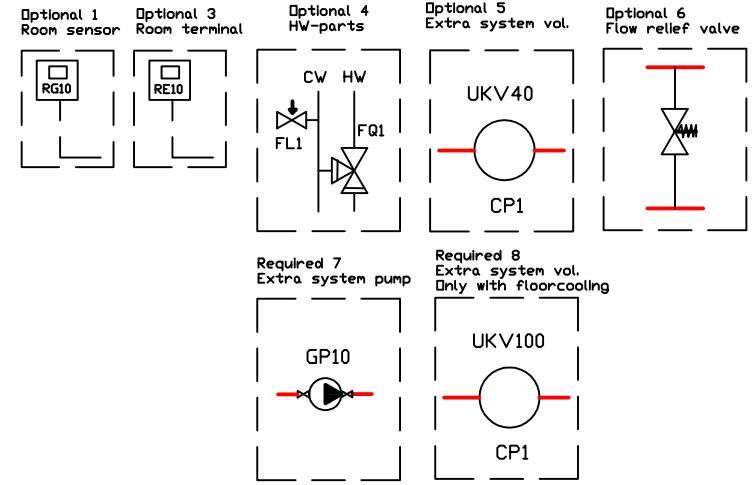
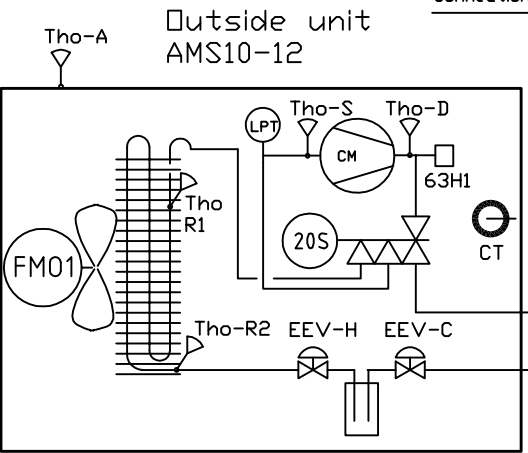
Alt.1
 Powersupply 5x2,5mm²
 Fuse 16A
 Connection on top

Alt.2
 Powersupply 3x10mm²
 Fuse 50A
 Connection on top

5x2,5mm²
 Supply&Communication
 Connection on top

- Tho-A Therm. Outdoor air temp
- Tho-D Therm. Discharge temp
- Tho-R1 Therm. Heatexchanger temp
- Tho-R2 Therm. Heatexchanger temp
- Tho-S Therm. Suction temp

- LPT Low pressure sensor
- 63H1 High pressure switch
- CT Current sensor
- EEV-C Expansionvalve for cooling
- EEV-H Expansionvalve for heating
- FMD1 Fan motor
- 20S Solenoid valve for 4 way valve
- CM Compressor motor



- BT1 Temp. Sensor Outdoor (enclosed)
- BT2 Temp. Sensor Supply system
- BT3 Temp. Sensor Water return (ThI-A)
- BT6 Temp. Sensor Hotwater
- BT12 Temp. Sensor Supply (ThI-R3)
- BT15 Temp. Sensor Liquid line (ThI-R1)
- BT19 Temp. Sensor Immersion heater
- BT24 Temp. External Ø11
- BT30 Thermostat 35-45°C (adjustable)
- FD1 Thermal cut-out 98°C (man)

- BP4 High pressure sensor 0-4.6 MPa (ThI-R2)
- QN11 Mixingvalve 3-way balltype 35sec
- QM30 Ballvalve 2-way 35sec
- QM31 Ballvalve 2-way 35sec
- HS1 Filterdrier biflow 083
- EB1 Immersion heater 9kW(3ph)
- EP2 Heat Exchanger
- GP1 Loadpump variable flow
- HQ1 Strainer 0,8mm²
- FL2 Safety relief valve 2,5 Bar
- BP5 Manometer gauge 0-4 bar
- CW Sanitary cold water inlet
- HW Sanitary hot water outlet
- PG1 Flow indicator 0.11-0.44 L/s (enclosed)

Hydrounit ACVM 10-270

NIBE Split PS no 3

Heating:
 QM30 Closed
 QM31 Open
 QN11 Active below balance point (A)

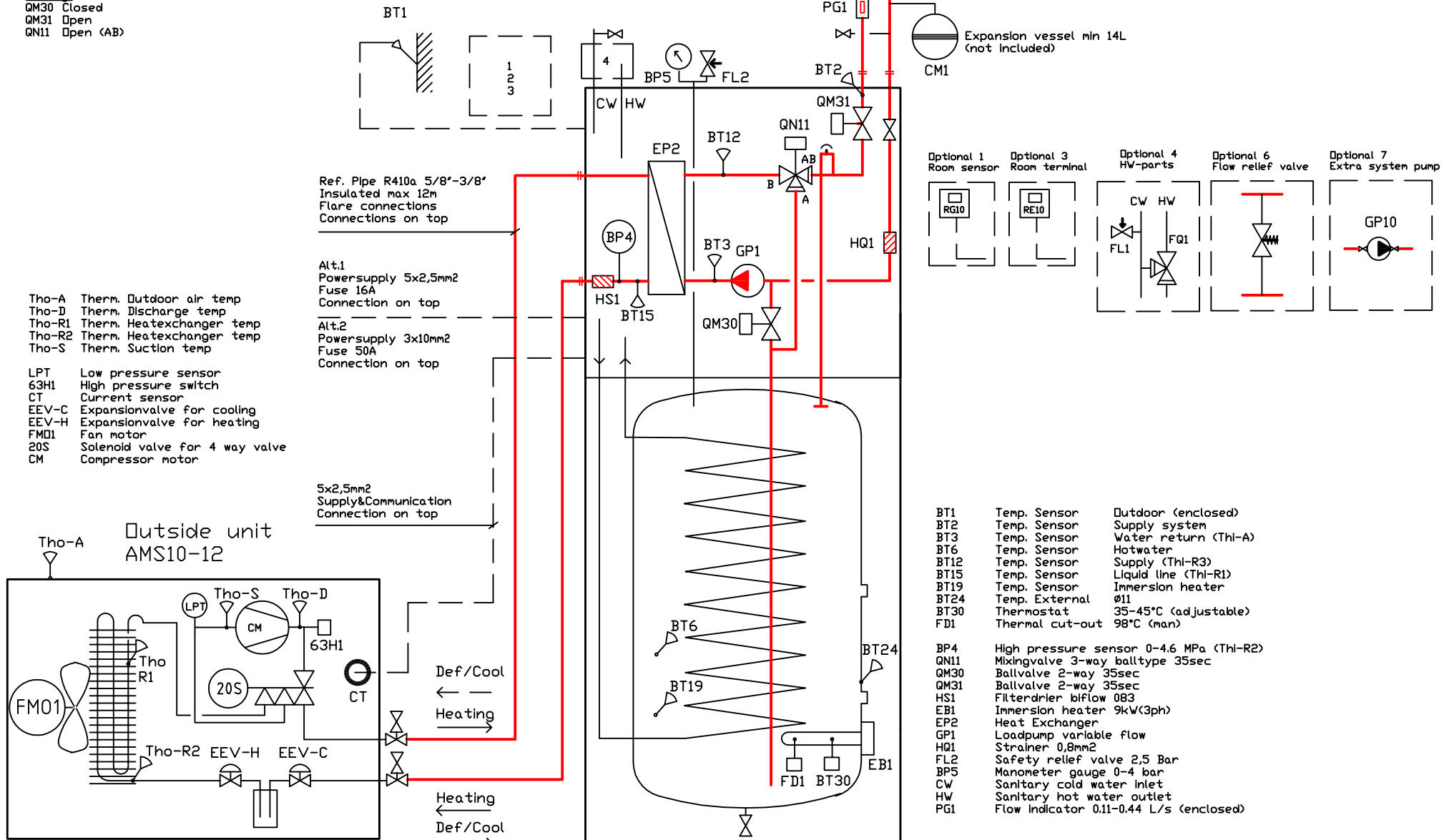
Hotwatermode:
 QM30 Open
 QM31 Closed
 QN11 Open (AB)

Cooling:
 QM30 Closed
 QM31 Open
 QN11 Open (AB)

Pumpcapacity GP1 (L/s):
 0,16 at 50 kPa
 0,28 at 42 kPa
 0,39 at 27 kPa
 0,5 at 10 kPa

Systemrequirement:
 UKV40
 Non restricted flow
 See technical data for more info

Fancoil:
 Tempcontrol:
 -RG10 or RE10
 -External to FC
 Fancoilcontrol:
 -External to FC
 Drainage&piping insulation *:
 Yes if (Supplytemp < room dew point)



Ref. Pipe R410a 5/8"-3/8"
 Insulated max 12m
 Flare connections
 Connections on top

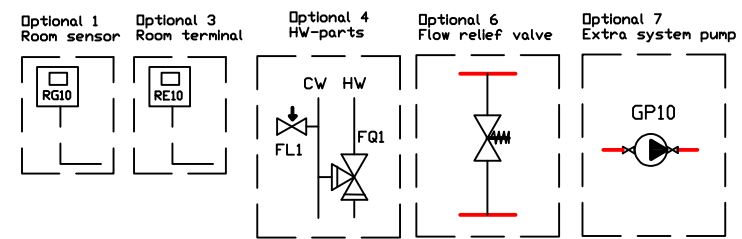
Alt.1
 Powersupply 5x2,5mm2
 Fuse 16A
 Connection on top

Alt.2
 Powersupply 3x10mm2
 Fuse 50A
 Connection on top

5x2,5mm2
 Supply&Communication
 Connection on top

Tho-A Therm. Outdoor air temp
 Tho-D Therm. Discharge temp
 Tho-R1 Therm. Heatexchanger temp
 Tho-R2 Therm. Heatexchanger temp
 Tho-S Therm. Suction temp

LPT Low pressure sensor
 63H1 High pressure switch
 CT Current sensor
 EEV-C Expansionvalve for cooling
 EEV-H Expansionvalve for heating
 FM01 Fan motor
 20S Solenoid valve for 4 way valve
 CM Compressor motor



BT1 Temp. Sensor Outdoor (enclosed)
 BT2 Temp. Sensor Supply system
 BT3 Temp. Sensor Water return (Thi-A)
 BT6 Temp. Sensor Hotwater
 BT12 Temp. Sensor Supply (Thi-R3)
 BT15 Temp. Sensor Liquid line (Thi-R1)
 BT19 Temp. Sensor Immersion heater
 BT24 Temp. External Ø11
 BT30 Thermostat 35-45°C (adjustable)
 FD1 Thermal cut-out 98°C (man)

BP4 High pressure sensor 0-4.6 MPa (Thi-R2)
 QN11 Mixingvalve 3-way balltype 35sec
 QM30 Ballvalve 2-way 35sec
 QM31 Ballvalve 2-way 35sec
 HS1 Filterdrier biflow 083
 EB1 Immersion heater 9kW(3ph)
 EP2 Heat Exchanger
 GP1 Loadpump variable flow
 HQ1 Strainer 0,8mm2
 FL2 Safety relief valve 2,5 Bar
 BP5 Manometer gauge 0-4 bar
 CW Sanitary cold water inlet
 HW Sanitary hot water outlet
 PG1 Flow Indicator 0.11-0.44 L/s (enclosed)

Hydrounit ACVM 10-270

NIBE Split PS no 4

Heating:
 QM30 Closed
 QM31 Open
 QN11 Active below balance point (A)
 QN12 Open (A)

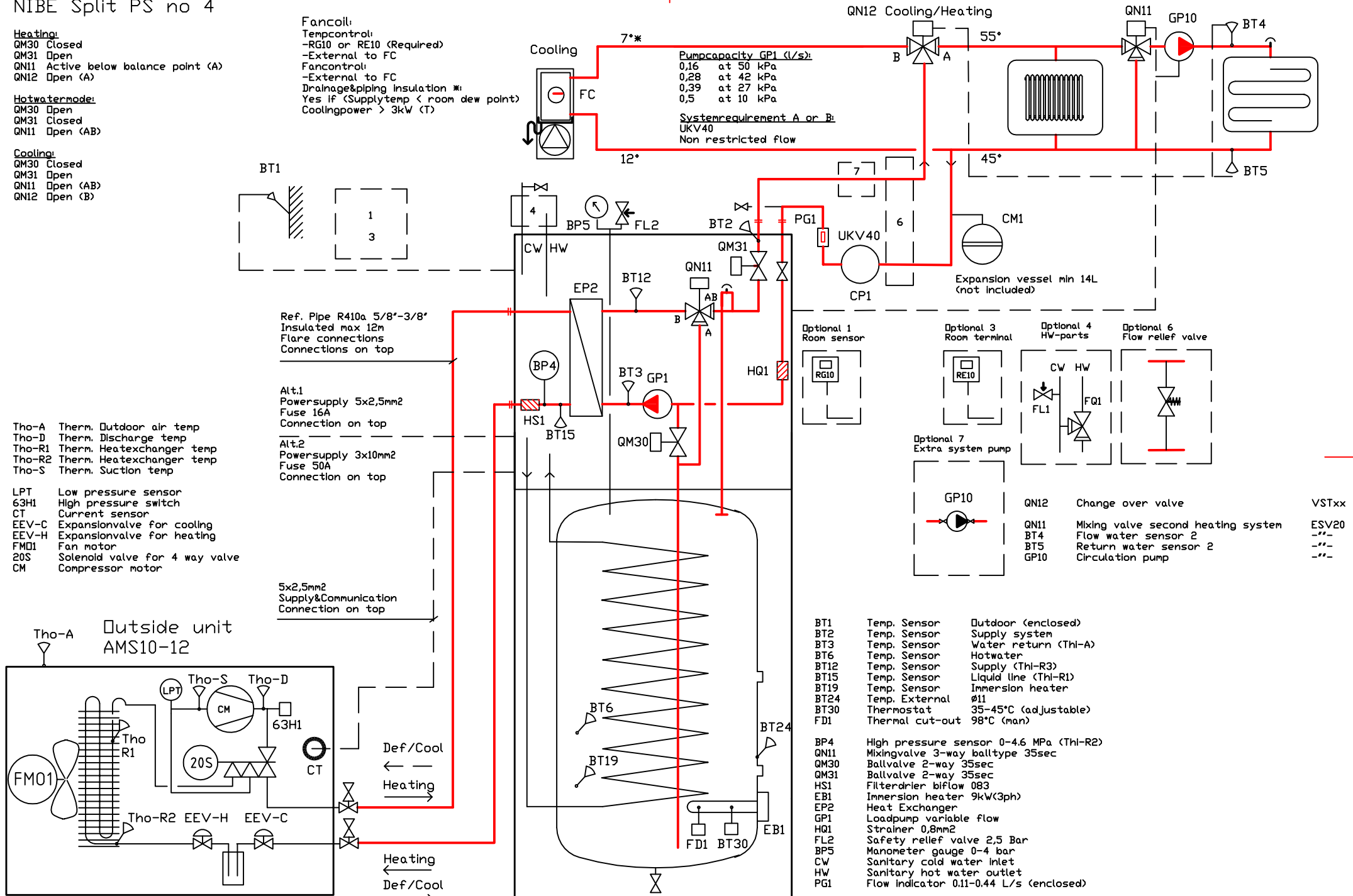
Hotwatermode:
 QM30 Open
 QM31 Closed
 QN11 Open (AB)

Cooling:
 QM30 Closed
 QM31 Open
 QN11 Open (AB)
 QN12 Open (B)

Fancoil:
 Tempcontrol:
 -RG10 or RE10 (Required)
 -External to FC
 Fancoilcontrol:
 -External to FC
 Drainage&piping insulation *:
 Yes If (Supplytemp < room dew point)
 Coolingpower > 3kW (T)

Pumpcapacity GP1 (l/s):
 0,16 at 50 kPa
 0,28 at 42 kPa
 0,39 at 27 kPa
 0,5 at 10 kPa

Systemrequirement A or B:
 UKV40
 Non restricted flow



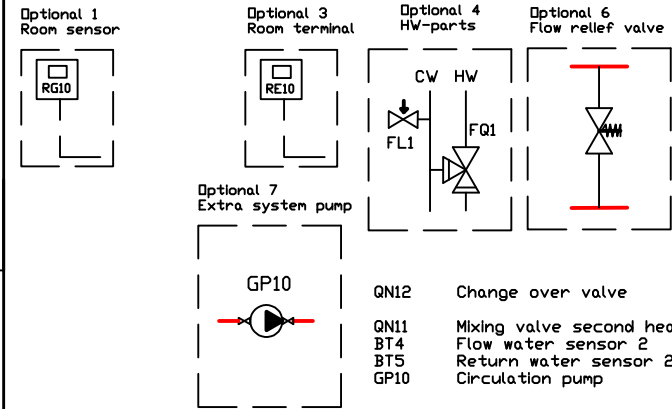
Tho-A Therm. Outdoor air temp
 Tho-D Therm. Discharge temp
 Tho-R1 Therm. Heatexchanger temp
 Tho-R2 Therm. Heatexchanger temp
 Tho-S Therm. Suction temp

LPT Low pressure sensor
 63H1 High pressure switch
 CT Current sensor
 EEV-C Expansionvalve for cooling
 EEV-H Expansionvalve for heating
 FMO1 Fan motor
 20S Solenoid valve for 4 way valve
 CM Compressor motor

Ref. Pipe R410a 5/8"-3/8"
 Insulated max 12m
 Flare connections
 Connections on top

Alt.1 Powersupply 5x2,5mm2
 Fuse 16A
 Connection on top
 Alt.2 Powersupply 3x10mm2
 Fuse 50A
 Connection on top

5x2,5mm2
 Supply&Communication
 Connection on top



Q12	Change over valve	VSTxx
QN11	Mixing valve second heating system	ESV20
BT4	Flow water sensor 2	---
BT5	Return water sensor 2	---
GP10	Circulation pump	---

BT1 Temp. Sensor Outdoor (enclosed)
 BT2 Temp. Sensor Supply system
 BT3 Temp. Sensor Water return (Thi-A)
 BT6 Temp. Sensor Hotwater
 BT12 Temp. Sensor Supply (Thi-R3)
 BT15 Temp. Sensor Liquid line (Thi-R1)
 BT19 Temp. Sensor Immersion heater
 BT24 Temp. External Ø11
 BT30 Thermostat 35-45°C (adjustable)
 FD1 Thermal cut-out 98°C (man)

BP4 High pressure sensor 0-4.6 MPa (Thi-R2)
 QN11 Mixingvalve 3-way balltype 35sec
 QM30 Ballvalve 2-way 35sec
 QM31 Ballvalve 2-way 35sec
 HS1 Filterdrier biflow 083
 EB1 Immersion heater 9kW(3ph)
 EP2 Heat Exchanger
 GP1 Loadpump variable flow
 HQ1 Strainer 0,8mm2
 FL2 Safety relief valve 2,5 Bar
 BP5 Manometer gauge 0-4 bar
 CW Sanitary cold water inlet
 HW Sanitary hot water outlet
 PG1 Flow indicator 0.11-0.44 L/s (enclosed)

Hydrounit ACVM 10-270

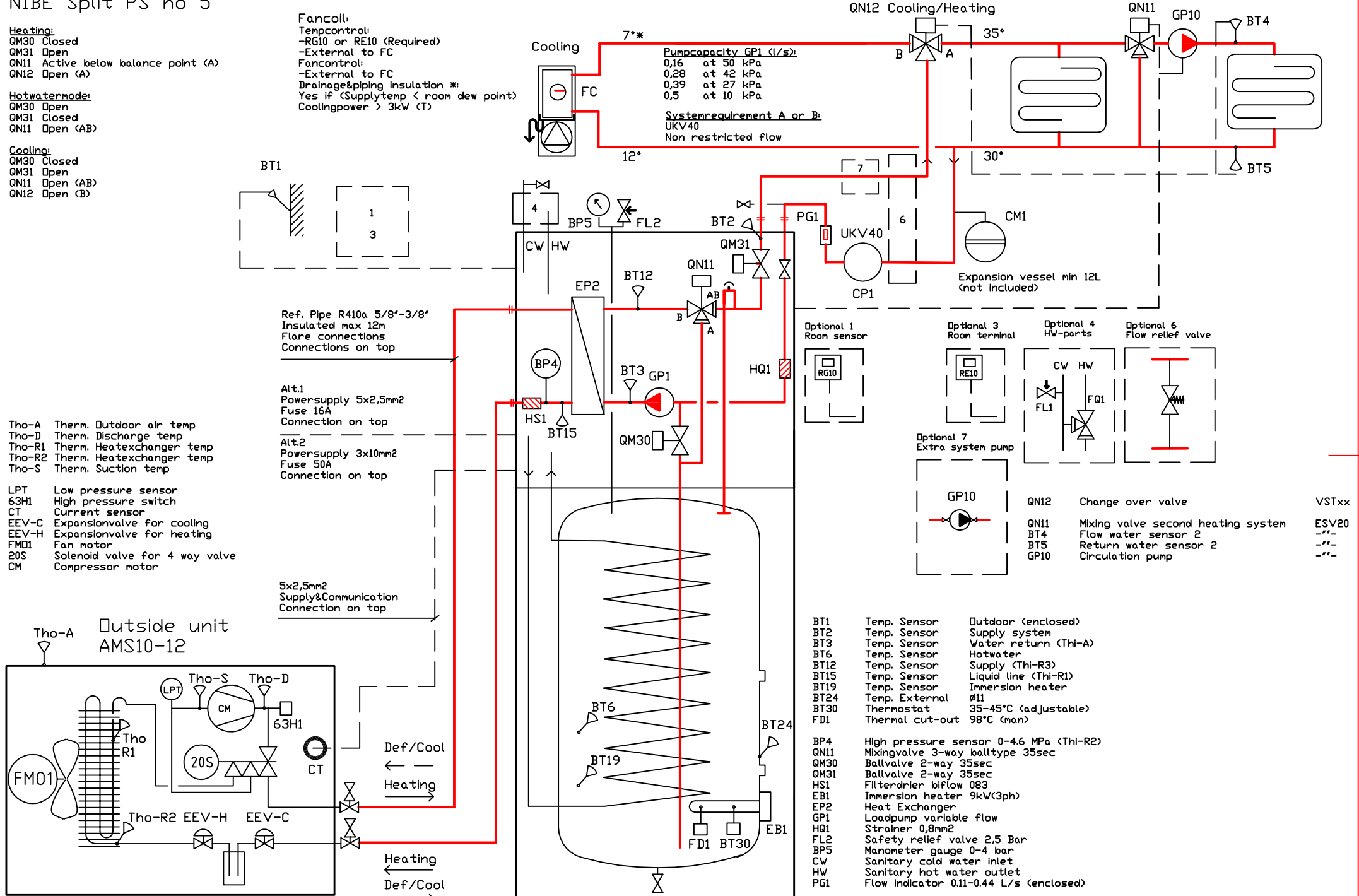
NIBE Split PS no 5

Heating:
 QM30 Closed
 QM31 Open
 QN11 Active below balance point (A)
 QN12 Open (A)

Hotwatermode:
 QM30 Open
 QM31 Closed
 QN11 Open (AB)
 QN12 Open (B)

Cooling:
 QM30 Closed
 QM31 Open
 QN11 Open (AB)
 QN12 Open (B)

Fancoil:
 Tempcontrol:
 -RG10 or RE10 (Required)
 -External to FC
 Fancoilcontrol:
 -External to FC
 Drainage&pipng insulation *:
 Yes if (Supplytemp < room dew point)
 Coolingpower > 3kW (T)



Pumpcapacity GP1 (L/s):

0,16	at 50 kPa
0,28	at 42 kPa
0,39	at 27 kPa
0,5	at 10 kPa

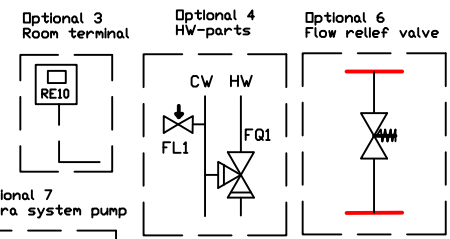
Systemrequirement A or B:
 UKV40
 Non restricted flow

Ref. Pipe R410a 5/8"-3/8"
 Insulated max 12m
 Flare connections
 Connections on top

Alt.1
 Powersupply 5x2,5mm2
 Fuse 16A
 Connection on top

Alt.2
 Powersupply 3x10mm2
 Fuse 50A
 Connection on top

5x2,5mm2
 Supply&Communication
 Connection on top



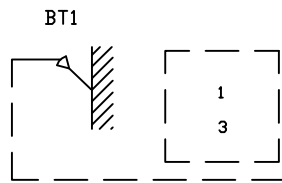
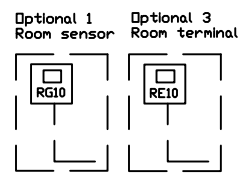
- | | | | |
|------|------------------------------------|--------------------------|-------|
| BT1 | Temp. Sensor | Outdoor (enclosed) | |
| BT2 | Temp. Sensor | Supply system | |
| BT3 | Temp. Sensor | Water return (Thi-R) | |
| BT6 | Temp. Sensor | Hotwater | |
| BT12 | Temp. Sensor | Supply (Thi-R3) | |
| BT15 | Temp. Sensor | Liquid line (Thi-R1) | |
| BT19 | Temp. Sensor | Immersion heater | |
| BT24 | Temp. External | Ø11 | |
| BT30 | Thermostat | 35-45°C (adjustable) | |
| FD1 | Thermal cut-out | 98°C (man) | |
| BP4 | High pressure sensor | 0-4.6 MPa (Thi-R2) | |
| QN11 | Mixingvalve | 3-way balltype 35sec | |
| QM30 | Ballvalve | 2-way 35sec | |
| QM31 | Ballvalve | 2-way 35sec | |
| HS1 | Filterdrier | biflow 083 | |
| EB1 | Immersion heater | 9kW(3ph) | |
| EP2 | Heat Exchanger | | |
| GP1 | Loadpump | variable flow | |
| HQ1 | Strainer | 0,8mm2 | |
| FL2 | Safety relief valve | 2,5 Bar | |
| BP5 | Manometer gauge | 0-4 bar | |
| CW | Sanitary cold water inlet | | |
| HW | Sanitary hot water outlet | | |
| PG1 | Flow indicator | 0.11-0.44 L/s (enclosed) | |
| QN12 | Change over valve | | VSTxx |
| QN11 | Mixing valve second heating system | | ESV20 |
| BT4 | Flow water sensor 2 | | --- |
| BT5 | Return water sensor 2 | | --- |
| GP10 | Circulation pump | | --- |

Hydrounit ACVM 10-270

NIBE Split PS no 9

Heating:
 QM30 Closed
 QM31 Open
 QN11 Active below balance point (A)

Hotwatermode:
 QM30 Open
 QM31 Closed
 QN11 Open (AB)



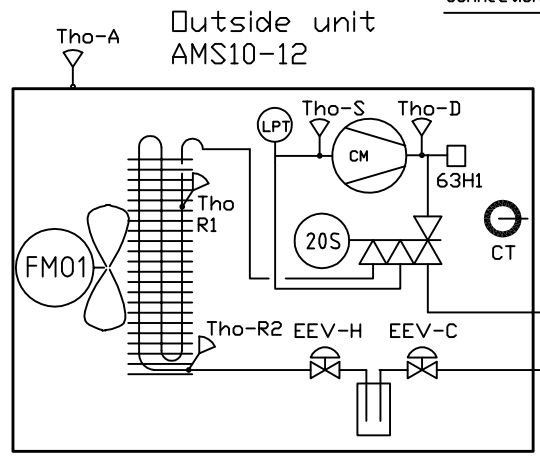
Ref. Pipe R410a 5/8"-3/8"
 Insulated max 12m
 Flare connections
 Connections on top

Alt.1
 Powersupply 5x2,5mm2
 Fuse 16A
 Connection on top

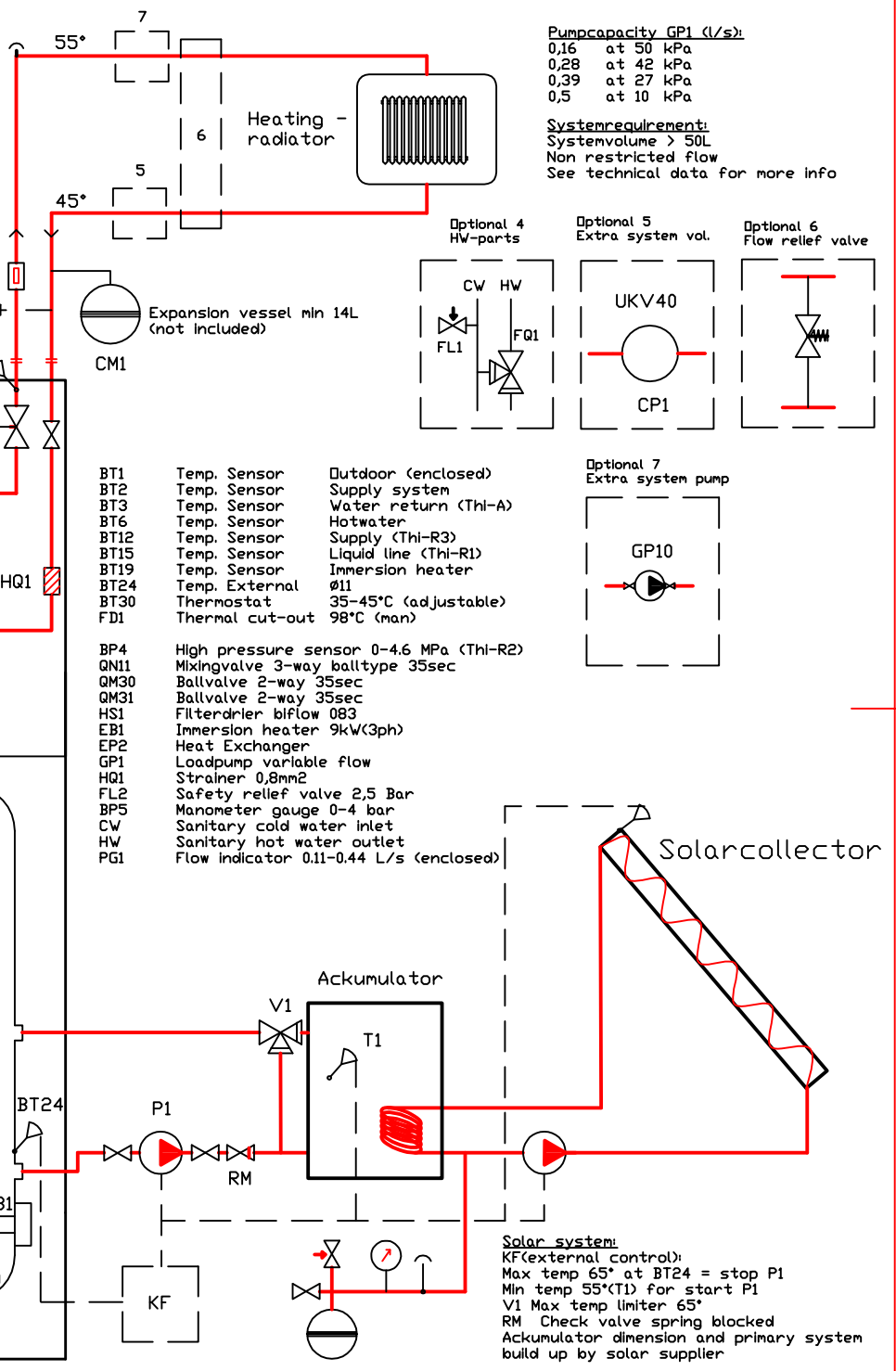
5x2,5mm2
 Supply&Communication
 Connection on top

Tho-A Therm. Outdoor air temp
 Tho-D Therm. Discharge temp
 Tho-R1 Therm. Heatexchanger temp
 Tho-R2 Therm. Heatexchanger temp
 Tho-S Therm. Suction temp

LPT Low pressure sensor
 63H1 High pressure switch
 CT Current sensor
 EEV-C Expansionvalve for cooling
 EEV-H Expansionvalve for heating
 FMD1 Fan motor
 20S Solenoid valve for 4 way valve
 CM Compressor motor



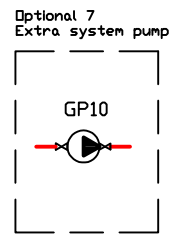
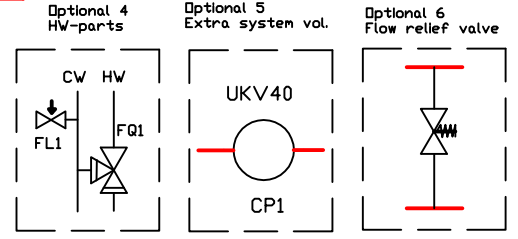
Hydrounit ACVM 10-270



Pumpcapacity GP1 (l/s):

0,16	at 50 kPa
0,28	at 42 kPa
0,39	at 27 kPa
0,5	at 10 kPa

Systemrequirement:
 Systemvolume > 50L
 Non restricted flow
 See technical data for more info



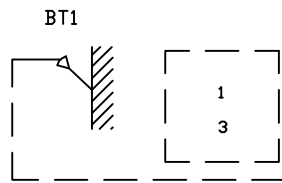
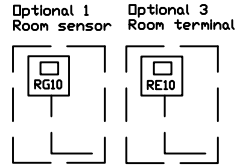
- BT1 Temp. Sensor Outdoor (enclosed)
- BT2 Temp. Sensor Supply system
- BT3 Temp. Sensor Water return (Thi-A)
- BT6 Temp. Sensor Hotwater
- BT12 Temp. Sensor Supply (Thi-R3)
- BT15 Temp. Sensor Liquid line (Thi-R1)
- BT19 Temp. Sensor Immersion heater
- BT24 Temp. External 35-45°C (adjustable)
- BT30 Thermostat 98°C (man)
- FD1 Thermal cut-out 98°C (man)
- BP4 High pressure sensor 0-4.6 MPa (Thi-R2)
- QN11 Mixingvalve 3-way balltype 35sec
- QM30 Ballvalve 2-way 35sec
- QM31 Ballvalve 2-way 35sec
- HS1 Filterdrier biflow 083
- EB1 Immersion heater 9kW(3ph)
- EP2 Heat Exchanger
- GP1 Loadpump variable flow
- HQ1 Strainer 0,8mm2
- FL2 Safety relief valve 2,5 Bar
- BP5 Manometer gauge 0-4 bar
- CW Sanitary cold water inlet
- HW Sanitary hot water outlet
- PG1 Flow indicator 0.11-0.44 L/s (enclosed)

Solar system:
 KF(external control)
 Max temp 65° at BT24 = stop P1
 Min temp 55°(T1) for start P1
 V1 Max temp limiter 65°
 RM Check valve spring blocked
 Accumulator dimension and primary system
 build up by solar supplier

NIBE Split PS no 10

Heating:
 QM30 Closed
 QM31 Open
 QN11 Active below balance point (A)

Hotwatermode:
 QM30 Open
 QM31 Closed
 QN11 Open (AB)

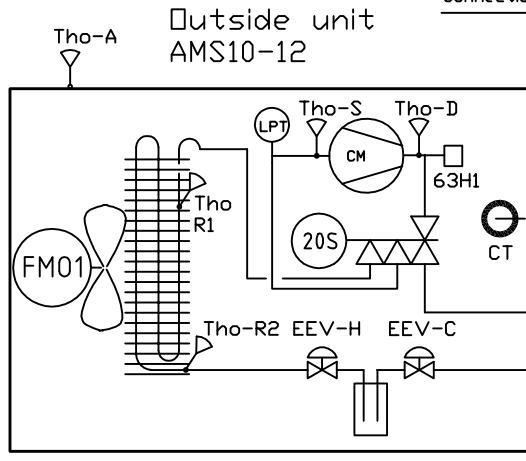


Ref. Pipe R410a 5/8"-3/8"
 Insulated max 12m
 Flare connections
 Connections on top

Alt.1
 Powersupply 5x2,5mm²
 Fuse 16A
 Connection on top

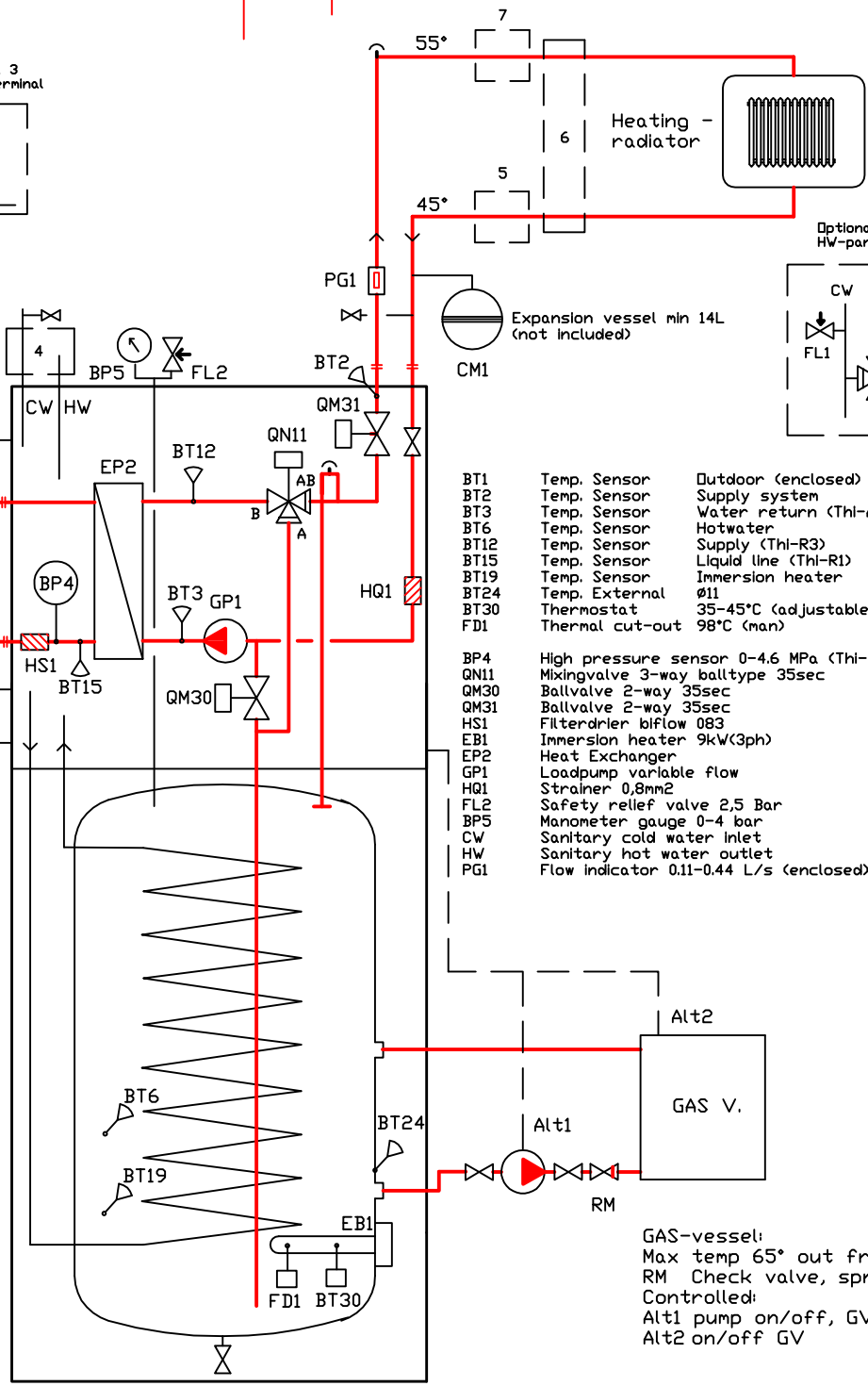
5x2,5mm²
 Supply&Communication
 Connection on top

- Tho-A Therm. Outdoor air temp
- Tho-D Therm. Discharge temp
- Tho-R1 Therm. Heatexchanger temp
- Tho-R2 Therm. Heatexchanger temp
- Tho-S Therm. Suction temp
- LPT Low pressure sensor
- 63H1 High pressure switch
- CT Current sensor
- EEV-C Expansionvalve for cooling
- EEV-H Expansionvalve for heating
- FMO1 Fan motor
- 20S Solenoid valve for 4 way valve
- CM Compressor motor



Defrost
 Heating
 Heating
 Defrost

Hydrunit ACVM 10-270

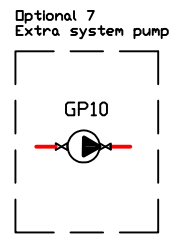
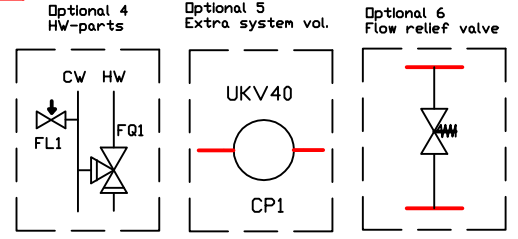


- BT1 Temp. Sensor Outdoor (enclosed)
- BT2 Temp. Sensor Supply system
- BT3 Temp. Sensor Water return (Thi-A)
- BT6 Temp. Sensor Hotwater
- BT12 Temp. Sensor Supply (Thi-R3)
- BT15 Temp. Sensor Liquid line (Thi-R1)
- BT19 Temp. Sensor Immersion heater
- BT24 Temp. External 011
- BT30 Thermostat 35-45°C (adjustable)
- FD1 Thermal cut-out 98°C (man)
- BP4 High pressure sensor 0-4.6 MPa (Thi-R2)
- QN11 Mixingvalve 3-way balltype 35sec
- QM30 Ballvalve 2-way 35sec
- QM31 Ballvalve 2-way 35sec
- HS1 Filterdrier biflow 083
- EB1 Immersion heater 9kW(3ph)
- EP2 Heat Exchanger
- GP1 Loadpump variable flow
- HQ1 Strainer 0,8mm²
- FL2 Safety relief valve 2,5 Bar
- BP5 Manometer gauge 0-4 bar
- CW Sanitary cold water inlet
- HW Sanitary hot water outlet
- PG1 Flow indicator 0.11-0.44 L/s (enclosed)

Pumpcapacity GP1 (L/s):

0,16	at 50 kPa
0,28	at 42 kPa
0,39	at 27 kPa
0,5	at 10 kPa

Systemrequirement:
 Systemvolume > 50L
 Non restricted flow
 See technical data for more info

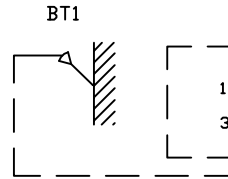
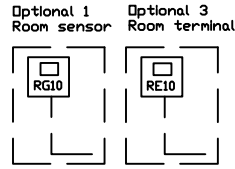


GAS-vesseli:
 Max temp 65° out from GV
 RM Check valve, spring blocked
 Controlled:
 Alt1 pump on/off, GV standby
 Alt2 on/off GV

NIBE Split PS no 11

Heating:
 QM30 Closed
 QM31 Open
 QN11 Active below balance point (A)

Hotwatermode:
 QM30 Open
 QM31 Closed
 QN11 Open (AB)



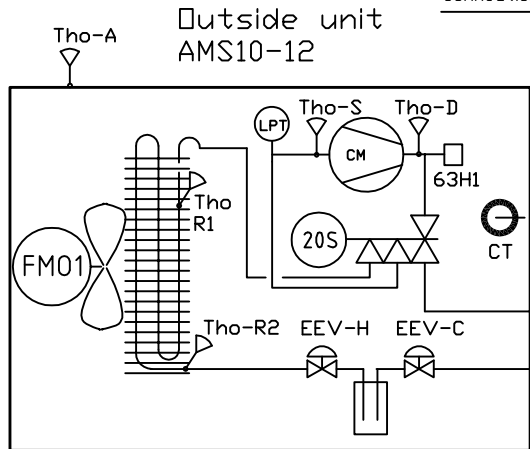
Ref. Pipe R410a 5/8"-3/8"
 Insulated max 12m
 Flare connections
 Connections on top

Alt.1
 Powersupply 5x2,5mm2
 Fuse 16A
 Connection on top

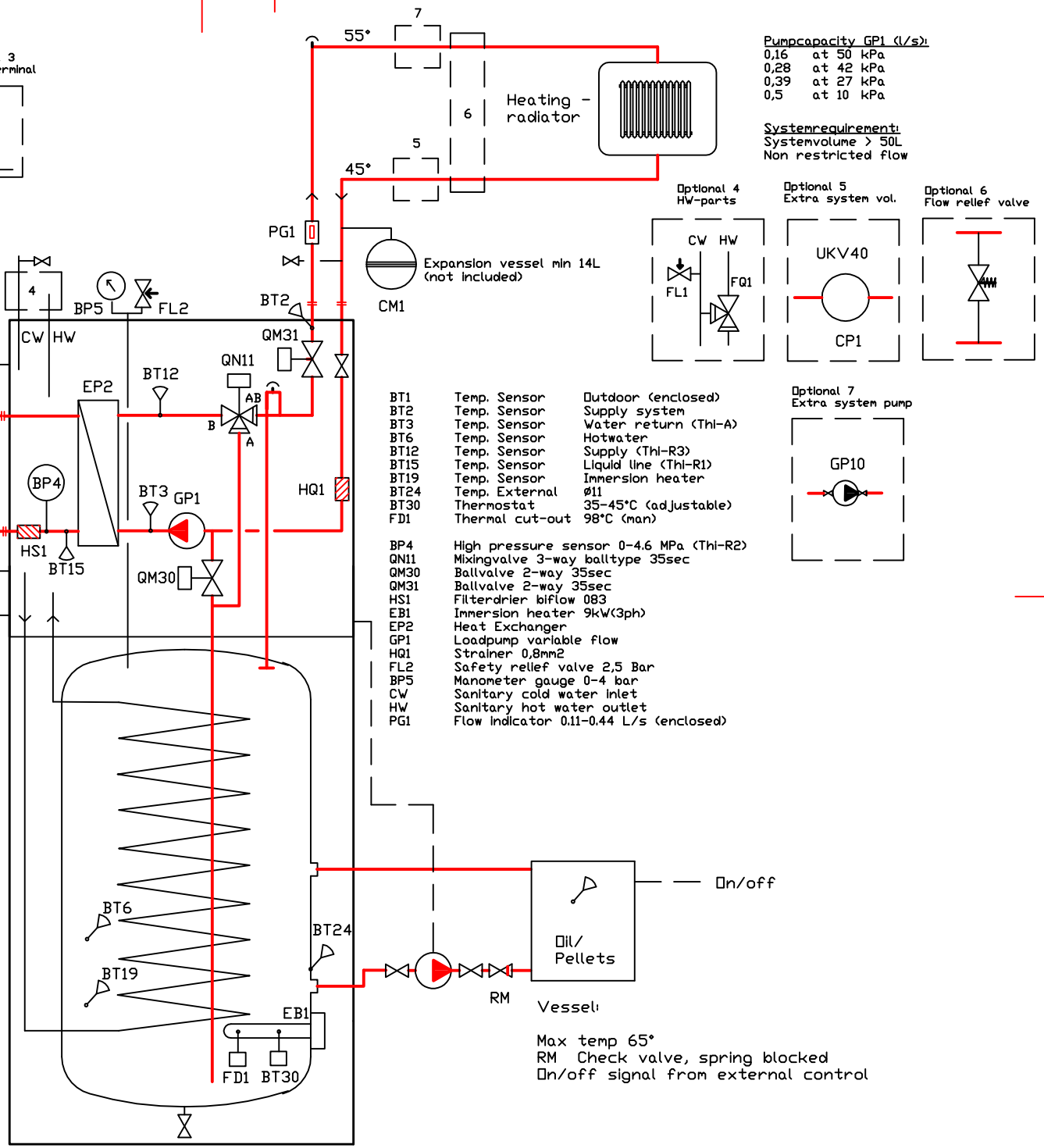
Alt.2
 Powersupply 3x10mm2
 Fuse 45A
 Connection on top

Tho-A Therm. Outdoor air temp
 Tho-D Therm. Discharge temp
 Tho-R1 Therm. Heatexchanger temp
 Tho-R2 Therm. Heatexchanger temp
 Tho-S Therm. Suction temp

LPT Low pressure sensor
 63H1 High pressure switch
 CT Current sensor
 EEV-C Expansionvalve for cooling
 EEV-H Expansionvalve for heating
 FMO1 Fan motor
 20S Solenoid valve for 4 way valve
 CM Compressor motor



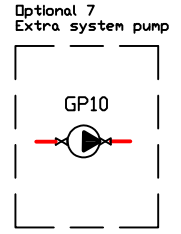
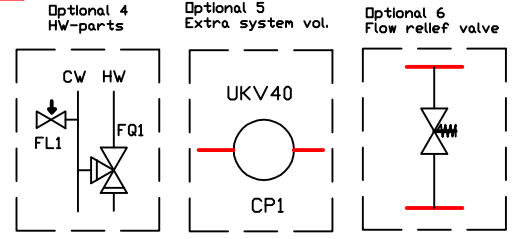
5x2,5mm2
 Supply&Communication
 Connection on top



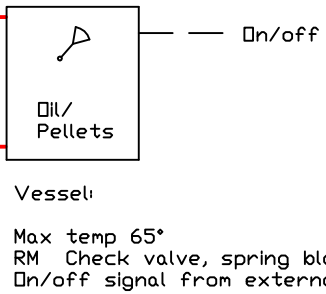
Pumpcapacity GP1 (l/s):

0,16	at 50 kPa
0,28	at 42 kPa
0,39	at 27 kPa
0,5	at 10 kPa

Systemrequirement:
 Systemvolum > 50L
 Non restricted flow



- BT1 Temp. Sensor Outdoor (enclosed)
- BT2 Temp. Sensor Supply system
- BT3 Temp. Sensor Water return (Thi-A)
- BT6 Temp. Sensor Hotwater
- BT12 Temp. Sensor Supply (Thi-R3)
- BT15 Temp. Sensor Liquid line (Thi-R1)
- BT19 Temp. Sensor Immersion heater
- BT24 Temp. External 35-45°C (adjustable)
- BT30 Thermostat 98°C (man)
- FD1 Thermal cut-out
- BP4 High pressure sensor 0-4.6 MPa (Thi-R2)
- QN11 Mixingvalve 3-way balltype 35sec
- QM30 Ballvalve 2-way 35sec
- QM31 Ballvalve 2-way 35sec
- HS1 Filterdrier biFlow 083
- EB1 Immersion heater 9kW(3ph)
- EP2 Heat Exchanger
- GP1 Loadpump variable flow
- HQ1 Strainer 0,8mm2
- FL2 Safety relief valve 2,5 Bar
- BP5 Manometer gauge 0-4 bar
- CW Sanitary cold water inlet
- HW Sanitary hot water outlet
- PG1 Flow indicator 0.11-0.44 L/s (enclosed)

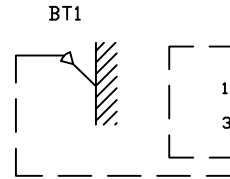
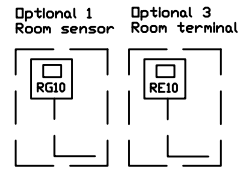


Hydrounit ACVM 10-270

NIBE Split PS no 13

Heating:
 QM30 Closed
 QM31 Open
 QN11 Active below balance point (A)

Hotwatermode:
 QM30 Open
 QM31 Closed
 QN11 Open (AB)



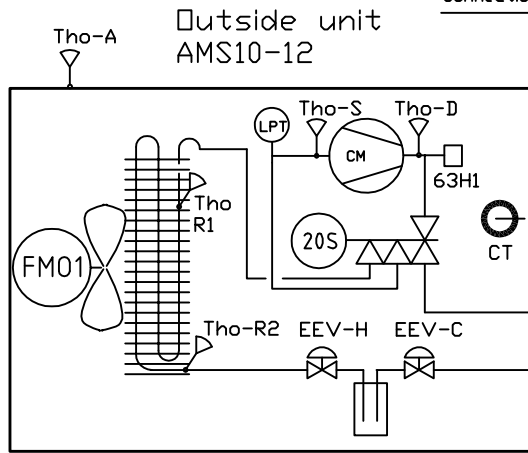
Ref. Pipe R410a 5/8"-3/8"
 Insulated max 12m
 Flare connections
 Connections on top

Alt.1
 Powersupply 5x2,5mm²
 Fuse 16A
 Connection on top

Alt.2
 Powersupply 3x10mm²
 Fuse 50A
 Connection on top

Tho-A Therm. Outdoor air temp
 Tho-D Therm. Discharge temp
 Tho-R1 Therm. Heatexchanger temp
 Tho-R2 Therm. Heatexchanger temp
 Tho-S Therm. Suction temp

LPT Low pressure sensor
 63H1 High pressure switch
 CT Current sensor
 EEV-C Expansionvalve for cooling
 EEV-H Expansionvalve for heating
 FMO1 Fan motor
 20S Solenoid valve for 4 way valve
 CM Compressor motor



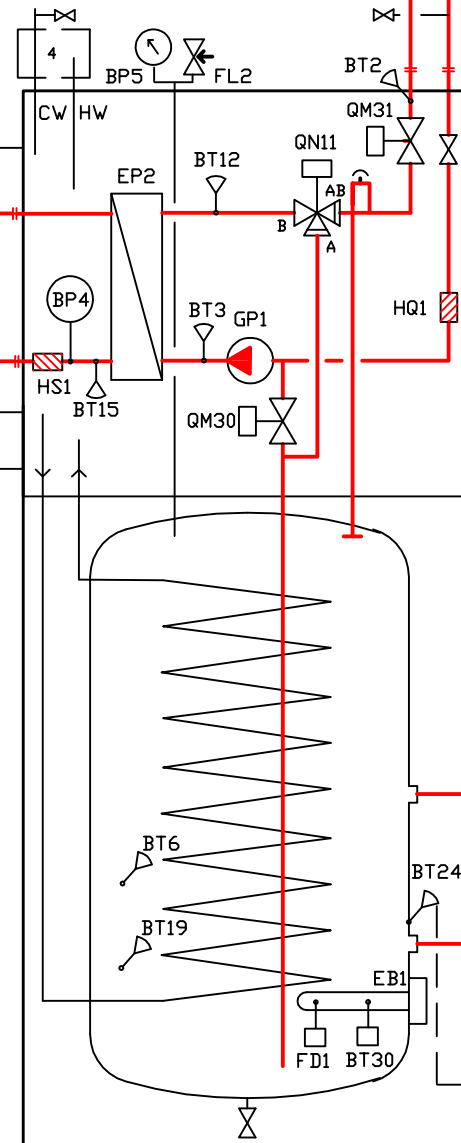
Defrost

Heating

Heating

Defrost

5x2,5mm²
 Supply&Communication
 Connection on top

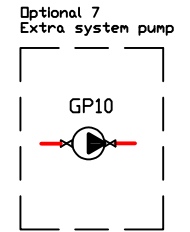
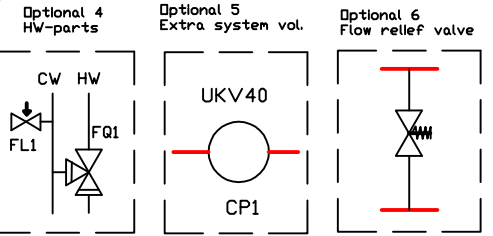


Hydrounit ACVM 10-270

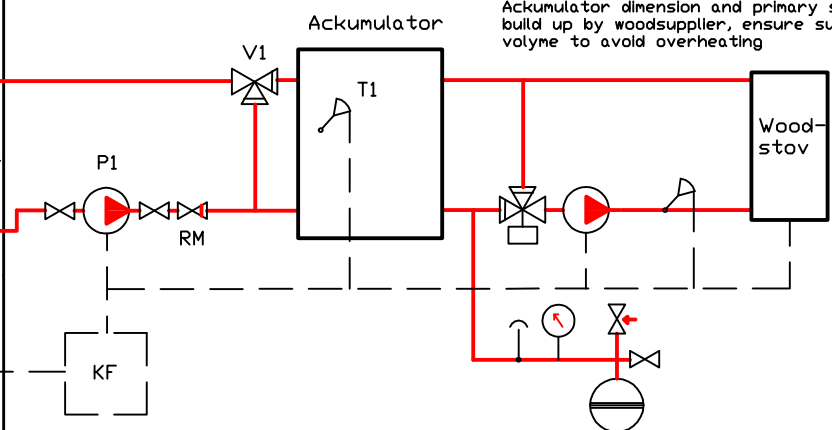
- BT1 Temp. Sensor Outdoor (enclosed)
- BT2 Temp. Sensor Supply system
- BT3 Temp. Sensor Water return (Thi-A)
- BT6 Temp. Sensor Hotwater
- BT12 Temp. Sensor Supply (Thi-R3)
- BT15 Temp. Sensor Liquid line (Thi-R1)
- BT19 Temp. Sensor Immersion heater
- BT24 Temp. External 35-45°C (adjustable)
- BT30 Thermostat 98°C (man)
- FD1 Thermal cut-out
- BP4 High pressure sensor 0-4.6 MPa (Thi-R2)
- QN11 Mixingvalve 3-way balltype 35sec
- QM30 Ballvalve 2-way 35sec
- QM31 Ballvalve 2-way 35sec
- HS1 Filterdrier biFlow 083
- EB1 Immersion heater 9kW(3ph)
- EP2 Heat Exchanger
- GP1 Loadpump variable flow
- HQ1 Strainer 0,8mm²
- FL2 Safety relief valve 2,5 Bar
- BP5 Manometer gauge 0-4 bar
- CW Sanitary cold water Inlet
- HW Sanitary hot water outlet
- PG1 Flow indicator 0.11-0.44 L/s (enclosed)

Pumpcapacity GP1 (l/s):
 0,16 at 50 kPa
 0,28 at 42 kPa
 0,39 at 27 kPa
 0,5 at 10 kPa

Systemrequirement:
 Systemvolume > 50L
 Non restricted flow
 See technical data for more info



Wood system:
 KF(external control):
 Max temp 65° at BT24 = stop P1
 Min temp 55°(T1) for start P1
 V1 Max temp limiter 65°
 RM Check valve spring blocked
 Accumulator dimension and primary system
 build up by woodsupplier, ensure sufficient
 volyme to avoid overheating



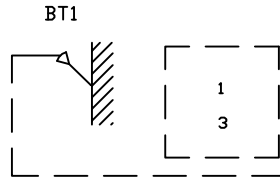
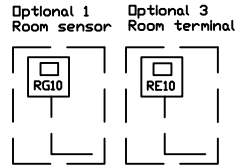
NIBE Split PS no 14

Heating:

QM30 Closed
 QM31 Open
 QN11 Active below balance point (A)

Hotwatermode:

QM30 Open
 QM31 Closed
 QN11 Open AB



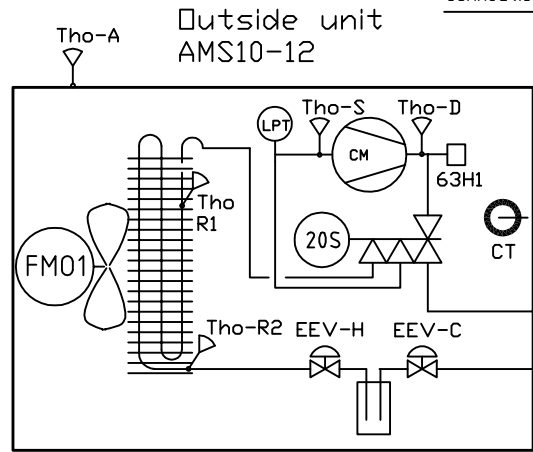
Ref. Pipe R410a 5/8"-3/8"
 Insulated max 12m
 Flare connections
 Connections on top

Alt.1
 Powersupply 5x2,5mm²
 Fuse 16A
 Connection on top

Alt.2
 Powersupply 3x10mm²
 Fuse 50A
 Connection on top

5x2,5mm²
 Supply&Communication
 Connection on top

- Tho-A Therm. Outdoor air temp
- Tho-D Therm. Discharge temp
- Tho-R1 Therm. Heatexchanger temp
- Tho-R2 Therm. Heatexchanger temp
- Tho-S Therm. Suction temp
- LPT Low pressure sensor
- 63H1 High pressure switch
- CT Current sensor
- EEV-C Expansionvalve for cooling
- EEV-H Expansionvalve for heating
- FMO1 Fan motor
- 20S Solenoid valve for 4 way valve
- CM Compressor motor



Defrost

Heating

Heating

Defrost

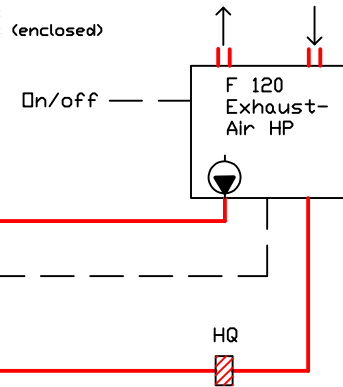
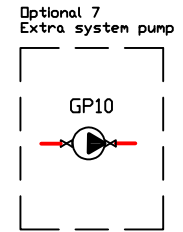
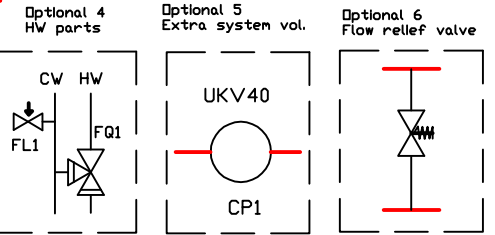
Hydrounit ACVM 10-270

- BT1 Temp. Sensor Outdoor (enclosed)
- BT2 Temp. Sensor Supply system
- BT3 Temp. Sensor Water return (Thi-A)
- BT6 Temp. Sensor Hotwater
- BT12 Temp. Sensor Supply (Thi-R3)
- BT15 Temp. Sensor Liquid line (Thi-R1)
- BT19 Temp. Sensor Immersion heater
- BT24 Temp. External Ø11
- BT30 Thermostat 35-45°C (adjustable)
- FD1 Thermal cut-out 98°C (man)
- BP4 High pressure sensor 0-4.6 MPa (Thi-R2)
- QN11 Mixingvalve 3-way balltype 35sec
- QM30 Ballvalve 2-way 35sec
- QM31 Ballvalve 2-way 35sec
- HS1 Filterdrier biFlow 083
- EB1 Immersion heater 9kW(3ph)
- EP2 Heat Exchanger
- GP1 Loadpump variable flow
- HQ1 Strainer 0,8mm²
- FL2 Safety relief valve 2,5 Bar
- BP5 Manometer gauge 0-4 bar
- CW Sanitary cold water inlet
- HW Sanitary hot water outlet
- PG1 Flow indicator 0.11-0.44 L/s (enclosed)

F120:
 Max temp 65°
 HQ min 0,8mm²
 Insert sensors 87,88 in BT24
 Rec. settings: ECD, 60-58°C ΔT4°K
 Periodic hot water increase = Off

Pumpcapacity GP1 (L/s):
 0,16 at 50 kPa
 0,28 at 42 kPa
 0,39 at 27 kPa
 0,5 at 10 kPa

Systemrequirement:
 Systemvolume > 50L
 Non restricted flow
 See technical data for more info



NIBE AB - Villavärme, Box 14, SE-285 21 MARKARYD, Sweden
Tel +46 - 433 - 73 000, Fax +46 - 433 - 73 190, www.nibe.com

