

NIBE Split PS no 4

Heating:
 QM30 Closed
 QM31 Open
 QN11 Active below balance point (A)
 EP22-QN12 Open (A)

Hot water mode:
 QM30 Closed
 QM31 Open
 QN11 Open (AB)

Cooling:
 QM30 Closed
 QM31 Open
 QN11 Open (AB)
 EP22-QN12 Open (B)

Fancoil :
 Tempcontrol:
 -R310 or RE10 (Required)
 -External to FC
 Fancontrol:
 -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:
 minimum system volume
 Non restricted flow
 See technical data for more info

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

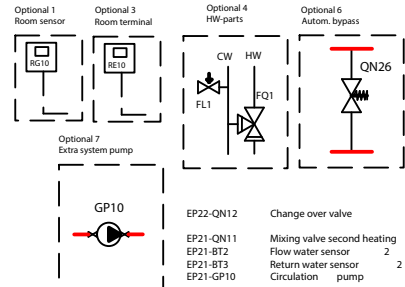
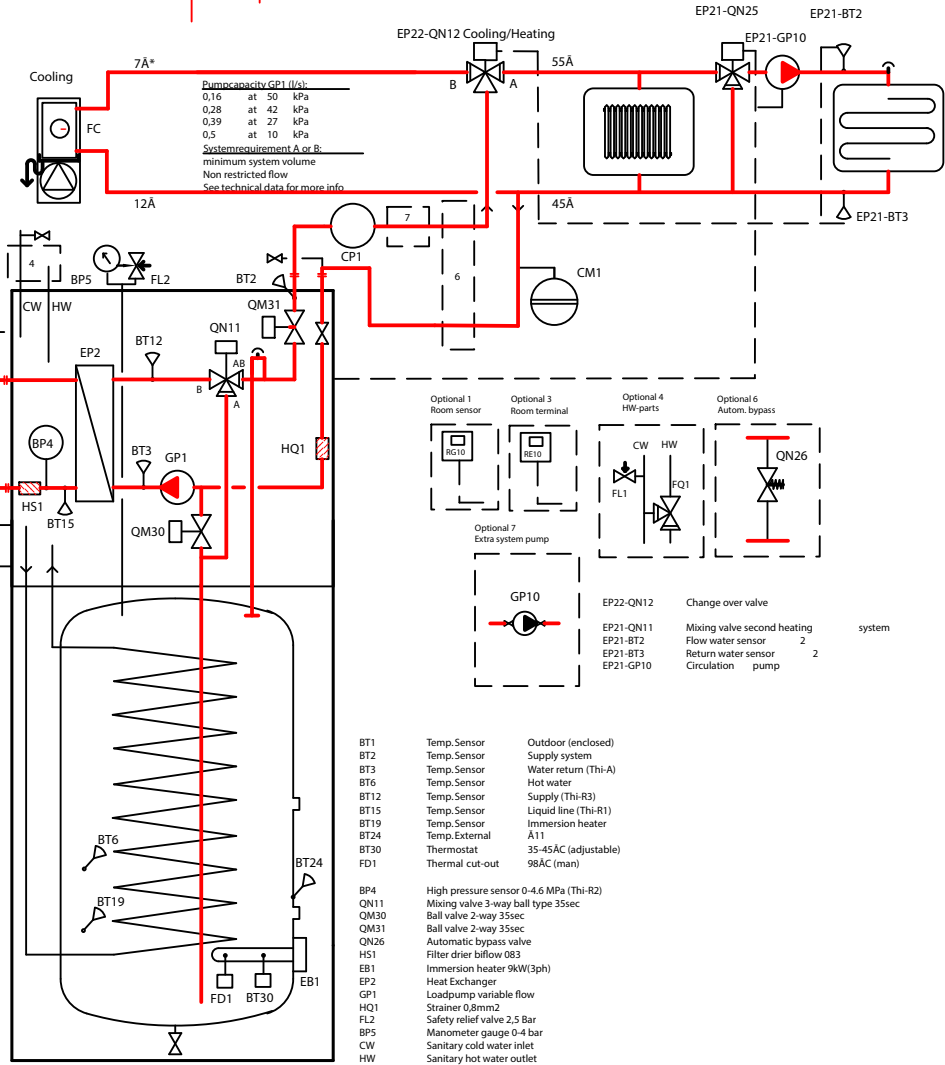
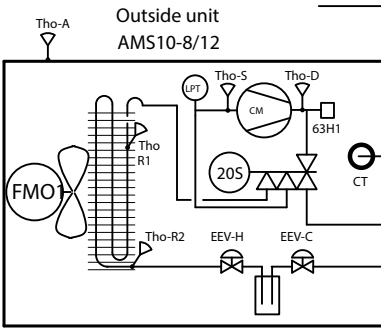
LPT Low pressure sensor
 63H1 High pressure switch
 CT Current sensor
 EEV-C Expansion valve for cooling
 EEV-H Expansion valve for heating
 FMO1 Fan motor
 20S Solenoid valve for 4 way valve
 CM Compressor motor

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

Alt1 Power supply 5x2,5mm
 Fuse 16A
 Connection on top

Alt2 Power supply 3x10mm
 Fuse 50A
 Connection on top

5x2,5mm 2
 Supply&Communication
 Connection on top



- BT1 Temp. Sensor Outdoor (enclosed)
- BT2 Temp. Sensor Supply system
- BT3 Temp. Sensor Water return (Thi-A)
- BT6 Temp. Sensor Hot water
- BT12 Temp. Sensor Supply (Thi-R3)
- BT15 Temp. Sensor Liquid line (Thi-R1)
- BT19 Temp. Sensor Immersion heater
- BT24 Temp. External Å11
- BT30 Thermostat 35-45ÅC (adjustable)
- FD1 Thermal cut-out 98ÅC (man)
- BP4 High pressure sensor 0-4.6 MPa (Thi-R2)
- QN11 Mixing valve 3-way ball type 35sec
- QM30 Ball valve 2-way 35sec
- QM31 Ball valve 2-way 35sec
- QN26 Automatic bypass valve
- FD1 Filter drier b/flow 083
- EB1 Immersion heater 9kW(3ph)
- EP2 Heat Exchanger
- GP1 Loadpump variable flow
- HQ1 Strainer 0,6mm2
- FL2 Safety relief valve 2,5 Bar
- BP5 Manometer gauge 0-4 bar
- CW Sanitary cold water inlet
- HW Sanitary hot water outlet expansion vessel (not included)
- CM1 volume vessel
- CP1 volume vessel

- EP22-QN12 Change over valve
- EP21-QN11 Mixing valve second heating
- EP21-BT2 Flow water sensor 2
- EP21-BT3 Return water sensor 2
- EP21-GP10 Circulation pump

Hydrunit ACVM 10-270