QUESTIONNAIRE [1]

for a <u>cooling load calculation subject to a fee</u> in conformance with VDI 2078/VDI 6007 (ALL fields must be filled in!)

ADDRESSES

Client
Name: _____
Postal address: _____

<u>Address of construction site:</u> _____

Telephone: _____
Email: _____

Installation company
Name: _____
Postal address: _____

Telephone: _____
Email: _____

(or stamp)

PROJECT SPECIFICATIONS

☐ New building   ☐ Old building, renovation   ☐ Planned, planned start of construction: _____
Planned date for cooling installation: _____

Component data
☐ Energy performance certificate as annex (with layer composition of the components)
☐ Layer composition of the following components:
- Outside wall to air: _____
- Outside wall to ground: _____
- Floor to ground: _____
- Floor to connected rooms: _____
- Floor to outside air: _____
- Roof: _____
- Ceiling to connected rooms: _____
- Interior wall _____
- Windows, doors (U-value): _____
- Roof surface windows (U-value): _____

The following rooms are to be cooled (room names from plan)

_____
_____
_____

Controlled ventilation system
☐ Yes   ☐ No   ☐ Heat recovery: _____ %

Refrigeration
☐ Heat pump   ☐ Well water: _____ °C
☐ Miscellaneous: _____

Minimal flow temperature – cooling
☐ You wish to specify: _____ °C
☐ Recommendation from Variotherm

ADDITIONAL COMMENTS

_____
_____
_____

VARIOTHERM

QUESTIONNAIRE [2]

for a <u>cooling load calculation subject to a fee</u> in conformance with VDI 2078/VDI 6007 (ALL fields must be filled in!)

VARIOTHERM COOLING SYSTEM (Please copy and fill out the sheet for each room separately!)

Room name/number from plan: _____

Desired cooling system

☐ ModuleStandardWall MSW-C

☐ SystemWall SWHK2

☐ SystemWall SWHK3

☐ EasyFlexWall EWHK77

☐ EasyFlexWall EWHK115

☐ ModuleStandardCeiling-Classic MSD-C

☐ ModuleStandardCeiling-Acoustic MSD-A

☐ ModuleGridCeiling-Classic MRD-C

☐ ModuleGridCeiling-Acoustic MRD-A

(Cooling through the floor is not recommended!)

Period of use of the room: from _____ o'clock to _____ o'clock

Desired room temperature: _____ °C (☐ Recommended: 26 °C)

Glazing and sun blinds

Type of glazing: ☐ Single glazing ☐ Double glazing ☐ Triple glazing

Location of sun blinds: ☐ None ☐ Outdoors ☐ Between glass panes ☐ Indoors

Type of sun blinds: ☐ Light lamellar blinds ☐ Light textile screen
☐ Dark textile screen

Internal loads in the room from people

Number of people in the room during period of use: _____

☐ Seated ☐ Low-level activity in standing position

☐ Moderate level of physical activity ☐ High level of physical activity

Internal loads in the room from lighting

☐ Connected load of electric lighting: _____ W, from _____ o'clock to _____ o'clock

Internal heat sources in the room from machines and appliances

☐ Connected load of machines with electric drives _____ W, from _____ o'clock to _____ o'clock

☐ Appliances:

Appliance	Power	Operating time
_____	_____ W	from _____ o'clock to _____ o'clock
_____	_____ W	from _____ o'clock to _____ o'clock
_____	_____ W	from _____ o'clock to _____ o'clock
_____	_____ W	from _____ o'clock to _____ o'clock
_____	_____ W	from _____ o'clock to _____ o'clock
_____	_____ W	from _____ o'clock to _____ o'clock

☐ **Loads in the room from material flow (e.g. factory)**

Mass flow _____ kg/h   Specific heat _____ kJ/kgK

Entry temperature _____ °C   Exit temperature _____ °C, from _____ o'clock to _____ o'clock

☐ **Loads in the room from other heat sources:** _____ Heat output _____ W

PLANS

Please send floor plans, sections including dimensions and the position of the building in relation to points on the compass as a DWG (or PDF) file!