

Checklist precision air conditioning

Please answer the questions below as fully as possible.

1. Basic data

- Building plans (sections, floor plans, wall structure, roof, crane systems, etc.)
- Year of construction of the building: _____
- Maximum height of a permanent workstation: _____
- Number of employees in the building: _____
- List of equipment (machinery), equipment (machinery) layout plan
- Overview plan of fixed workstations
- Requirements for
 - o Temperature incl. tolerances (+/-): _____
 - o Humidity, including tolerances (+/-): _____
 - o Pressure conditions in this area: _____
- Heat loads in the building
 - o Actual power consumption of the area (electricity and gas): _____
 - o Load profile: Records over a period of one year
- Operating hours/day, number of working days/week: _____
- Existing ventilation system(s)
 - o Amount of air extracted to the outside: _____
 - o Amount of air supplied from outside: _____
 - o Technical data (if available)



- Details on existing chimneys, cooling systems, process cooling systems
- Overview of existing extraction and filter systems (extraction air volume, exhaust air to the outside or recirculation mode, etc.)
- Current type of heating (technical data): _____
- Water
 - o Water analysis (for well water)
 - o Conductivity (conductivity or, alternatively hardness): _____
 - o Water and sewage costs €/m³: _____
- Electricity costs €/kWh: _____
- List of released substances and their properties:

- Requirements regarding noise (day/night), emission limits, prescribed minimum fresh air content, etc.:

- Factory standards, delivery regulations, other requirements:

2. Special requirements/requests