# English

### HEAT PUMP SYSTEMS QUESTIONNAIRE REGARDING SYSTEM ENGINEERING AND SYSTEM DESIGN



Please complete the following fields fully on your PC. Print out and **sign** the questionnaire and then send it to the relevant sales partner.

L.	D :			
	Project data			
- 1	Sender		Building owner /	Intended build
Sales partner		Project		
Cust. no. / Completed by			Contact	
Company			Telephone / Mobile	
Contact		Fax / Email		
Telephone /			Street, no. (place	
Mobile		of construction)		
Fax / Email		Postal code (place of construction)		
Street, no.			Country	
ostal	code, town		Comments on inten-	ded build
ountr	v			
	·			
•	Building details			
uilo	ling plans and intended purpose			
	Current building plans with dimensions end	losed		dential buildings
	Private use		Type:	f
	Commercial or public use  Detached house		Number	
	Apartment building, residential units:		New buil	lding, year of build:
	Apartment bunding, residential units.			design temperature
				acorg., temperature
tanı	dard huilding heat load		Heating energy	demand
carre	tandard building heat load  Heat load (in kW)			eating demand relative to the area Q. (in kWh/m²p.a.)
				space in the building A <sub>n</sub> (in m²)
	Contain desire en estration			- 0
•	System design specification			
1	Heat pump system application			
eat	pump system			
	For central heating			
	For DHW heating			
	For DHW heating  For swimming pool water heating			
.2				
	For swimming pool water heating	Return °C	Buffer cylinder	
	For swimming pool water heating  Heating system	Return °C		ouffer cylinder
	For swimming pool water heating  Heating system  exchanger  Flow °C	Return °C	Without	
	For swimming pool water heating  Heating system  exchanger  Area heating system	Return °C	Without   Wall mou	ouffer cylinder
	For swimming pool water heating  Heating system  exchanger  Area heating system  Heating system with radiators	Return °C	Without   Wall mou	ouffer cylinder nted buffer cylinder ding buffer cylinder
	For swimming pool water heating  Heating system  exchanger  Area heating system  Heating system with radiators	Return °C	Without I Wall mou Floorstar	ouffer cylinder nted buffer cylinder ding buffer cylinder header
Heat	For swimming pool water heating  Heating system  exchanger  Area heating system  Heating system with radiators  Fan convectors	Return °C	Without   Wall mot Floorstar Low loss	ouffer cylinder nted buffer cylinder ding buffer cylinder header
Heat	For swimming pool water heating  Heating system  exchanger  Area heating system  Heating system with radiators  Fan convectors  Thermal system	Return °C	Without   Wall mot Floorstar Low loss Combi cy	ouffer cylinder nted buffer cylinder ding buffer cylinder header linder
	For swimming pool water heating  Heating system  exchanger  Area heating system  Heating system with radiators  Fan convectors	Return °C	Without I Wall mou Floorstar Low loss Combi cy For swim	ouffer cylinder nted buffer cylinder ding buffer cylinder header

Incl. central heating heat pump

With DHW heat pump

DHW heating

With DHW circulation line

Excl. DHW circulation line

## HEAT PUMP SYSTEMS QUESTIONNAIRE REGARDING SYSTEM ENGINEERING AND SYSTEM DESIGN



DHW	demand per day and person	
	Number of occupants	Required value: (l/person at 45 °C)
	Approx. 30 l at 45 °C, ≙ low consumption	Own calculation of value
	Approx. 40 l at 45 °C, ≙ average consumption	Reheating with oil, gas, solid fuel
	Approx. 50 l at 45 °C, ≙ high consumption	Direct electric reheating
		Reheating output (in kW)
3.4	Swimming pool	
Swim	uming pool	
	Indoor pool	Length, in metres
	Open air pool	Width, in metres
	Usage period from: to:	Depth, in metres
	With swimming pool cover	Volume (in m³)
	Tile colour	
3.5	Cooling of buildings	
Cooli	ing system	
	Active cooling	With area cooling
	Passive cooling	With fan convectors
3.6	Power supply utility	
Powe	er-OFF periods	
	Number of power-OFF periods (per day)	Duration of a power-OFF period (in hours)
3.7	Heat source system	
	hermal probes	
0000	Number of geothermal probes	Extraction rate per probe (in W/m)
	Depth of the probe bore holes	
Caat		<u> </u>
deot	hermal collector  Average extraction rate (in W/m²)	Average heat source entry temperature (in °C)
	(sand 20 W/m², clay 25 W/m², wet clay 30 W/m²)	Unsealed heat source area that can be used (in m²)
Grou	indwater (1.00)	
	Average heat source entry temperature (in °C)	Groundwater depth (in metres)
	Water analysis enclosed	_
Air		
	Indoor installation of the heat pump	Direct distance from the heat pump to the next building
	Outdoor installation of the heat pump	(in metres)
3.8	Heat pump operating mode	
	Operating mode	
	Mono mode	
	Mono energetic	<del></del>
	Dual mode - parallel	<del>_</del>
	Dual mode - alternative	<del>_</del>
3.9	Additional heat sources	<del></del>
	Heat source	
	Oil booster heater with 3-way/4-way mixer	_
	Wall mounted gas boiler	<del></del>
	Gas boiler	<del>_</del>
	Solid fuel boiler (wood/pellet)	<del></del>
	Direct electric	<del>_</del>
	Direct electric	

### HEAT PUMP SYSTEMS QUESTIONNAIRE REGARDING SYSTEM ENGINEERING AND SYSTEM DESIGN



### 3.10 Printing and sending the design questionnaire

Printing the design questionnaire

Printing

Print out and sign your questionnaire and then send it to the relevant sales partner.

#### **Further construction documents**

The more detailed and accurate the description of your system or building, the more precisely we can plan your project. If you have any further technical drawings, photographs and specifications for the building, please send us a complete set.

### Legal note

You confirm that the details are complete and correct. We use them as a basis for the design and calculation of your system. We accept no liability for calculations or designs based on incorrect, inaccurate or incomplete details. We accept no liability nor offer any warranty if our design is used for the creation of a system using third party components.

Date	Signature