

request for the selection of a heat exchanger for heating system

2024-04-08

phone number

e-mail

operating parameters	design mode	average mode
Outside air temperature	-22 °C	-0.1 °C
Heating load	100 000 W	47 857 W
Mass water flow rate in the hot side	2.866 t/h	
Inlet water temperature in the hot side	100 °C	63.2 °C
Outlet water temperature in the hot side	70 °C	48.8 °C
Allowable pressure loss in the hot side	25 kPa	
Operating pressure in the hot side	16 bar	
Mass water flow rate in the cold side	4.299 t/h	
Inlet water temperature in the cold side	60 °C	42.9 °C
Outlet water temperature in the cold side	80 °C	52.5 °C
Allowable pressure loss in the cold side	25 kPa	
Operating pressure in the cold side	10 bar	
Surface reserve	10 %	
Maximum flow velocity in tubing	2 m/s	
Type of heat exchanger	Modular	

The selected heat exchanger must provide stable operation both at Design and Average operating modes

