

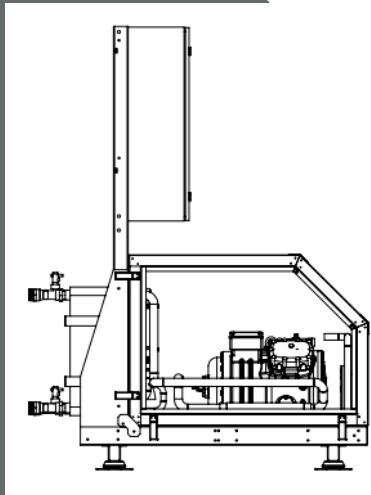
A well-known university facility in central Germany reworked its HVAC central network by replacing an old water-cooled chiller with modern high efficiency units and having to keep external sound level as low as possible. A further challenge was the possibility to get the chillers into the machine room, which has only a normal door and had to be reached by a person elevator. This application was perfect for FXP compact chiller with extremely low propane charge, which are well suitable to be installed indoor.

SECON supplied 3 FXP door-wide indoor compact chillers with a cooling capacity of about 50 kW each, as well as an advanced control cabinet to manage the chillers as a functional unit and a silent and efficient adiabatic cooler with low water consumption.

At low ambient temperature the adiabatic cooler works as a dry free cooler to reach outstanding system efficiency.



FXP100-64-L



Cooling capacity:
51,8 kW

NO of circuits:
1

R290 Refrigerant charge
2 kg per circuit

Capacity regulation:
step control
(6 capacity steps)

Cold side medium temperatures:
14/8°C

Warm side medium temperatures:
35/30°C

Total NO of chiller:
3

Total cooling capacity:
155,4 kW

WHJ-A-23.100.08D50E.D050181500

Nominal cooling capacity:
268,2 kW

NO of fans:
6 EC Fans with IE4 motors

Medium temperatures (summer):
35/30°C

Capacity regulation:
stepless (10-100%)

Medium temperatures (winter):
18,0/14,5°C

Free cooling capacity:
93,6 kW

Free cooling ambient temperature:
12,5°C

Adiabatic pre-cooling
above 25°C

