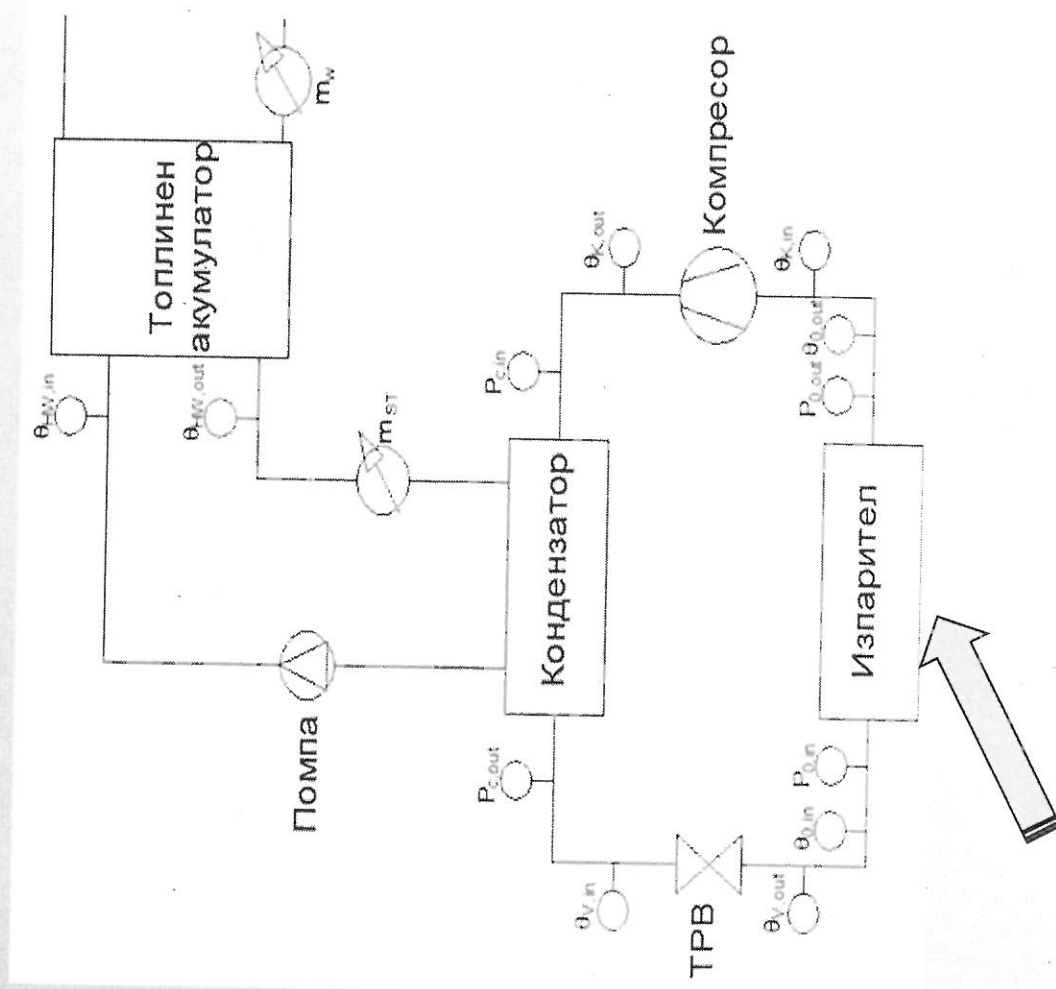
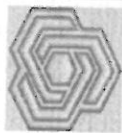


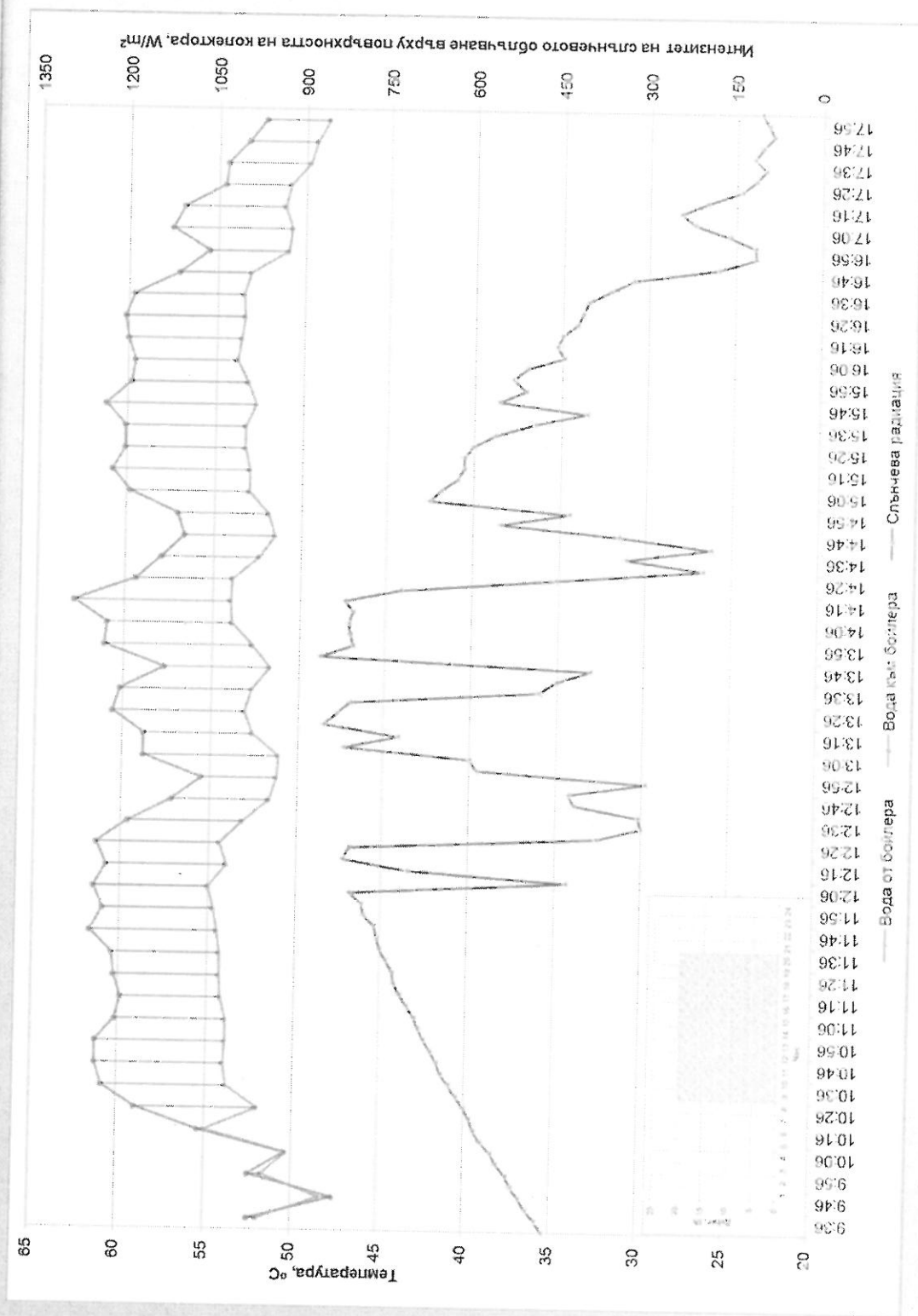
**ТЕХНИЧЕСКИ УНИВЕРСИТЕТ
- СОФИЯ**

**ЕДНА НОВА АЛТЕРНАТИВА:
ТЕРМОПОМПЕНА СИСТЕМА
С РАДИАЦИОНЕН
ИЗПАРИТЕЛ -
НЯКОИ РЕЗУЛТАТИ ОТ
ЕКСПЕРИМЕНТАЛНО
ИЗСЛЕДВАНЕ**



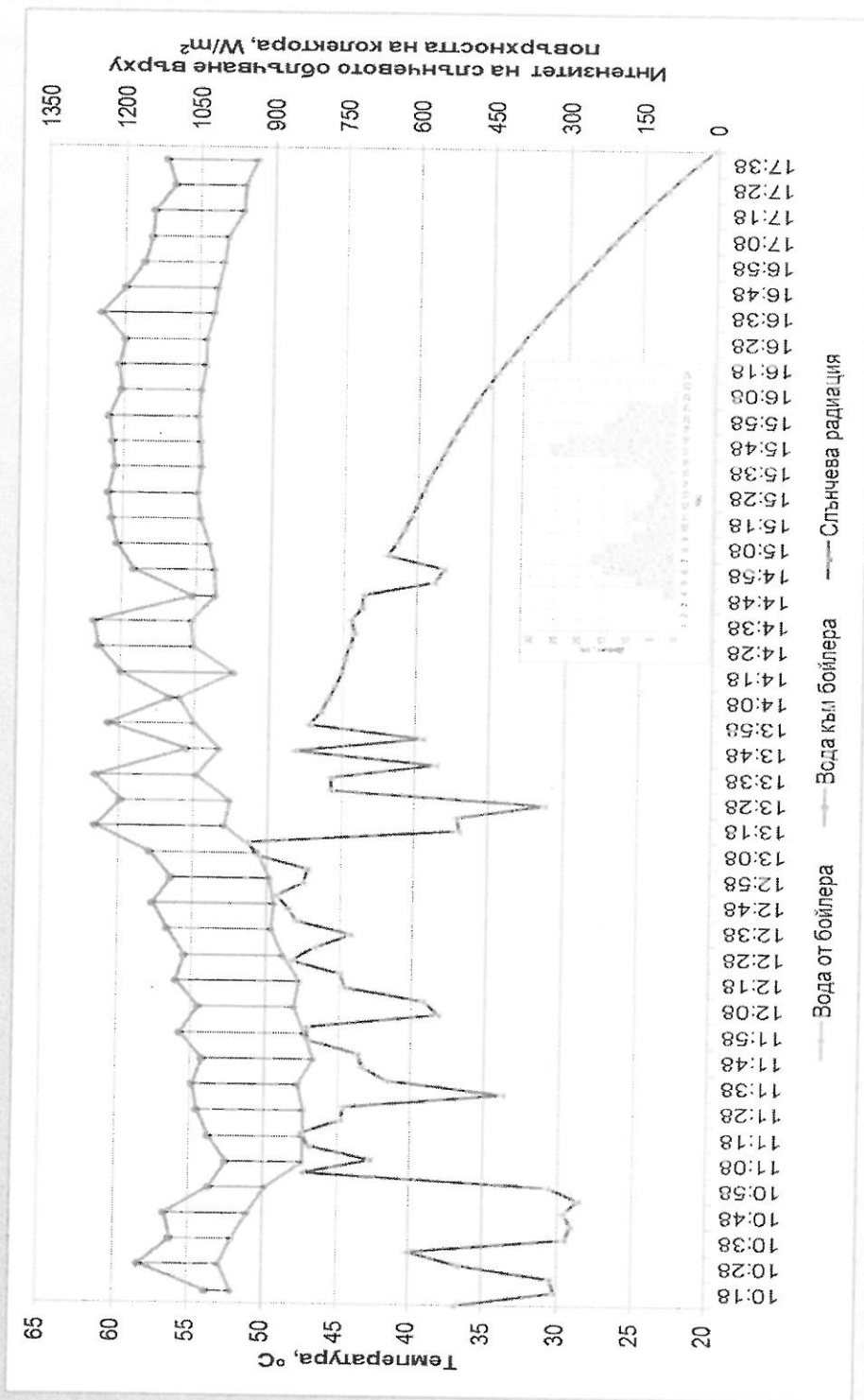


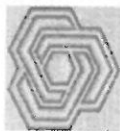
ТЕХНИЧЕСКИ УНИВЕРСИТЕТ - СОФИЯ



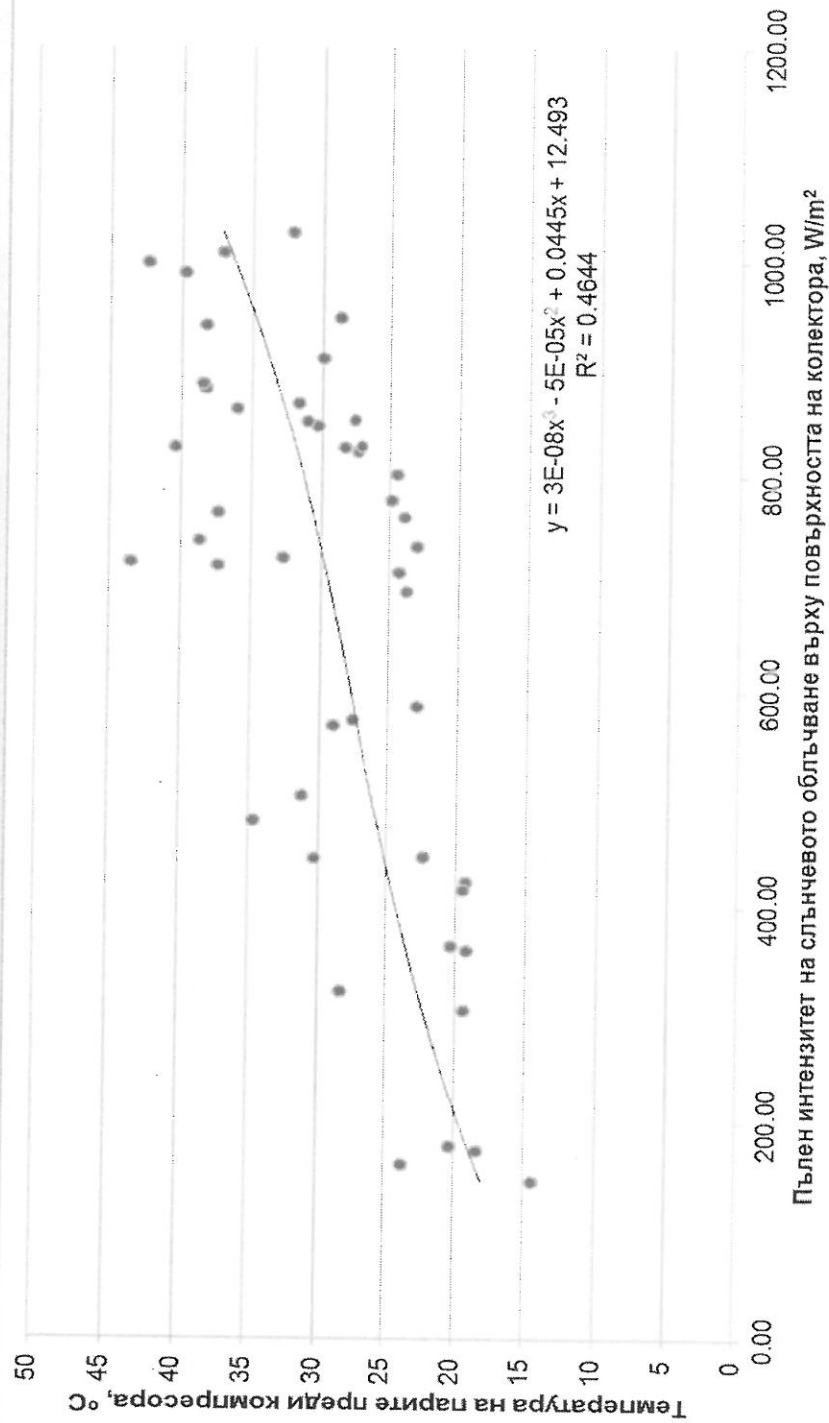


ТЕХНИЧЕСКИ УНИВЕРСИТЕТ - СОФИЯ

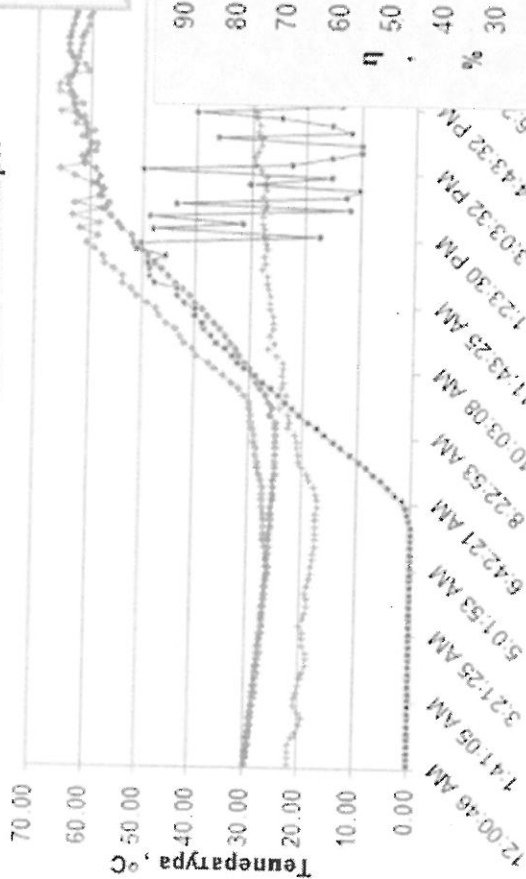




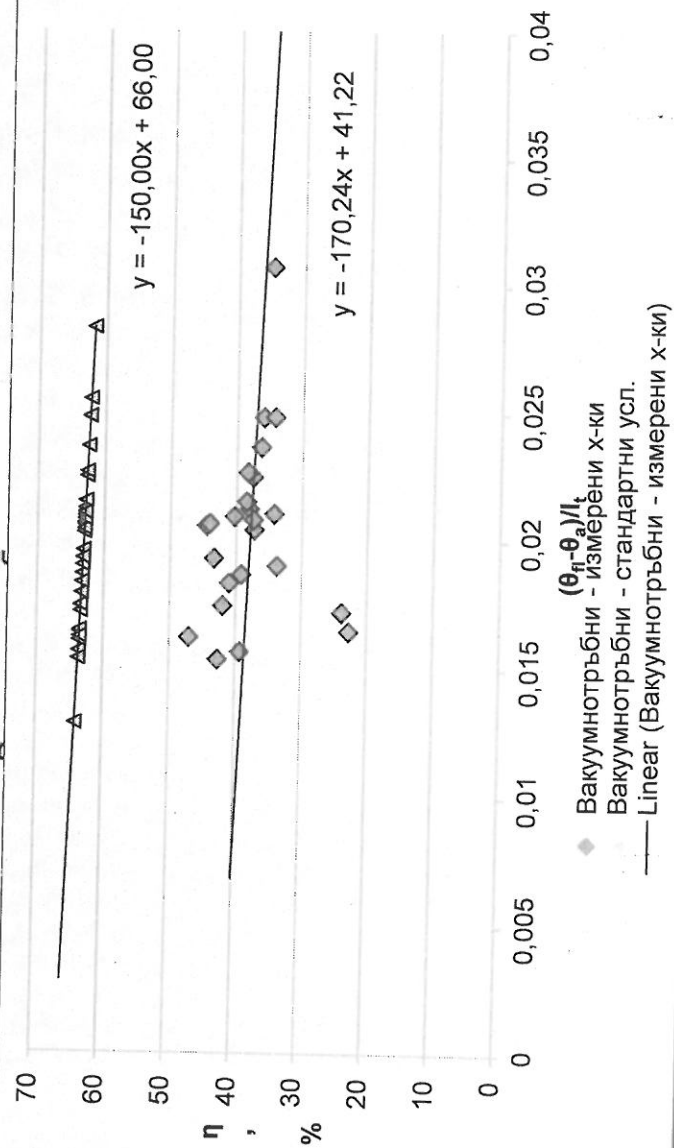
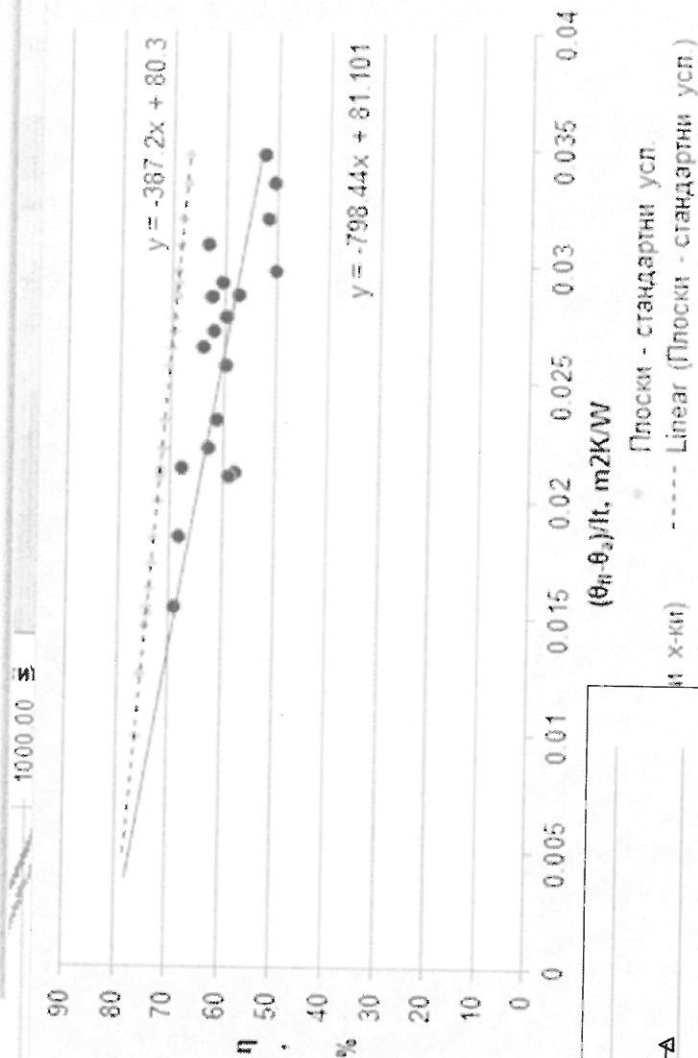
ТЕХНИЧЕСКИ УНИВЕРСИТЕТ - СОФИЯ

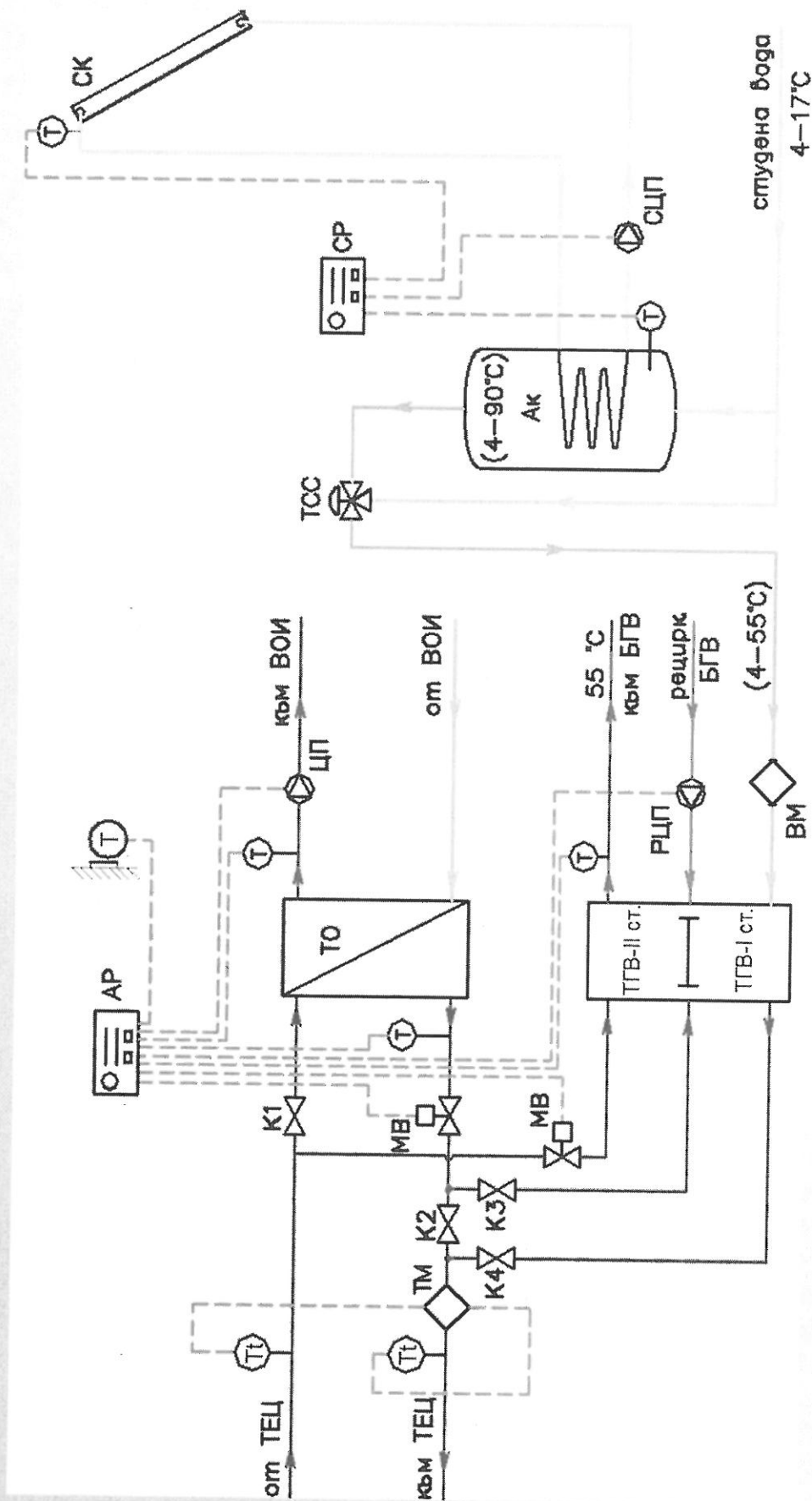


Плоски колектори



...СИСТЕМИТЕ ЗА ЗАГРЯВАНЕ НА ВОДА СЪС СЛЪНЧЕВА ЕНЕРГИЯ





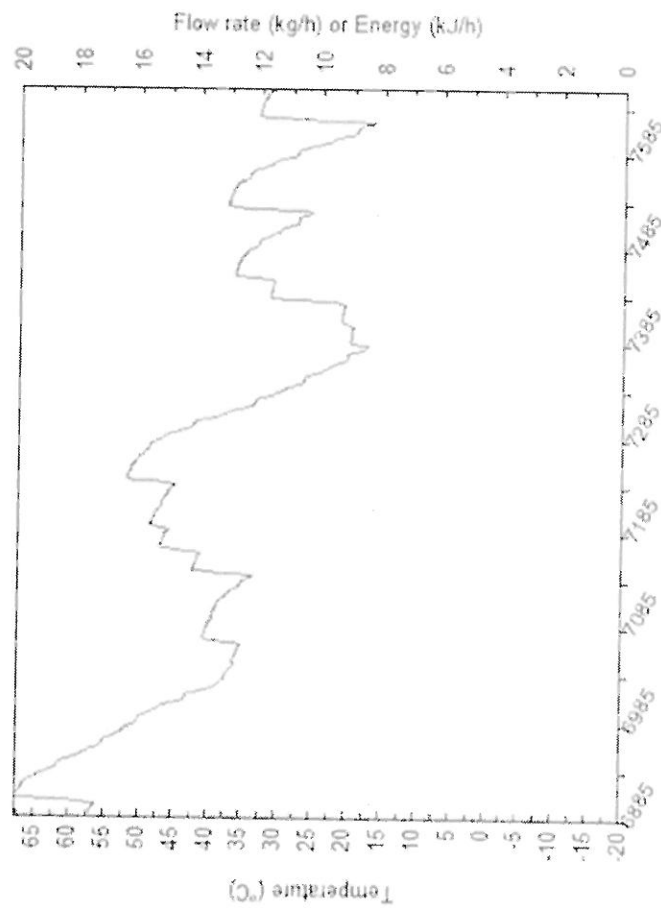


ТЕХНИЧЕСКИ УНИВЕРСИТЕТ - СОФИЯ

Изменение на температурата на водата на изхода от слънчевата инсталация

15 Октомври – 15 Ноември

Temperature profile



Zoom

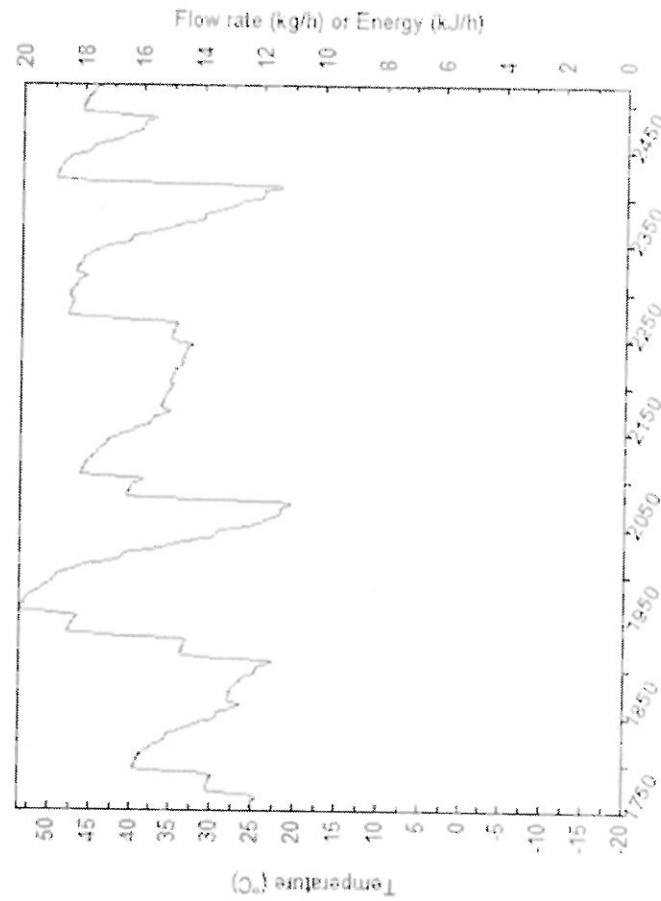
Visualize the selection	Start	Month	Day	Hour	Export >
Visualize the total	End	October	15	1	
		November	15	24	

Zoom

Visualize the selection	Start	Month	Day	Hour	Export >
Visualize the total	End	March	15	1	
		April	15	24	

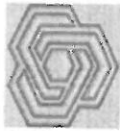
15 Март – 15 Април

Temperature profile

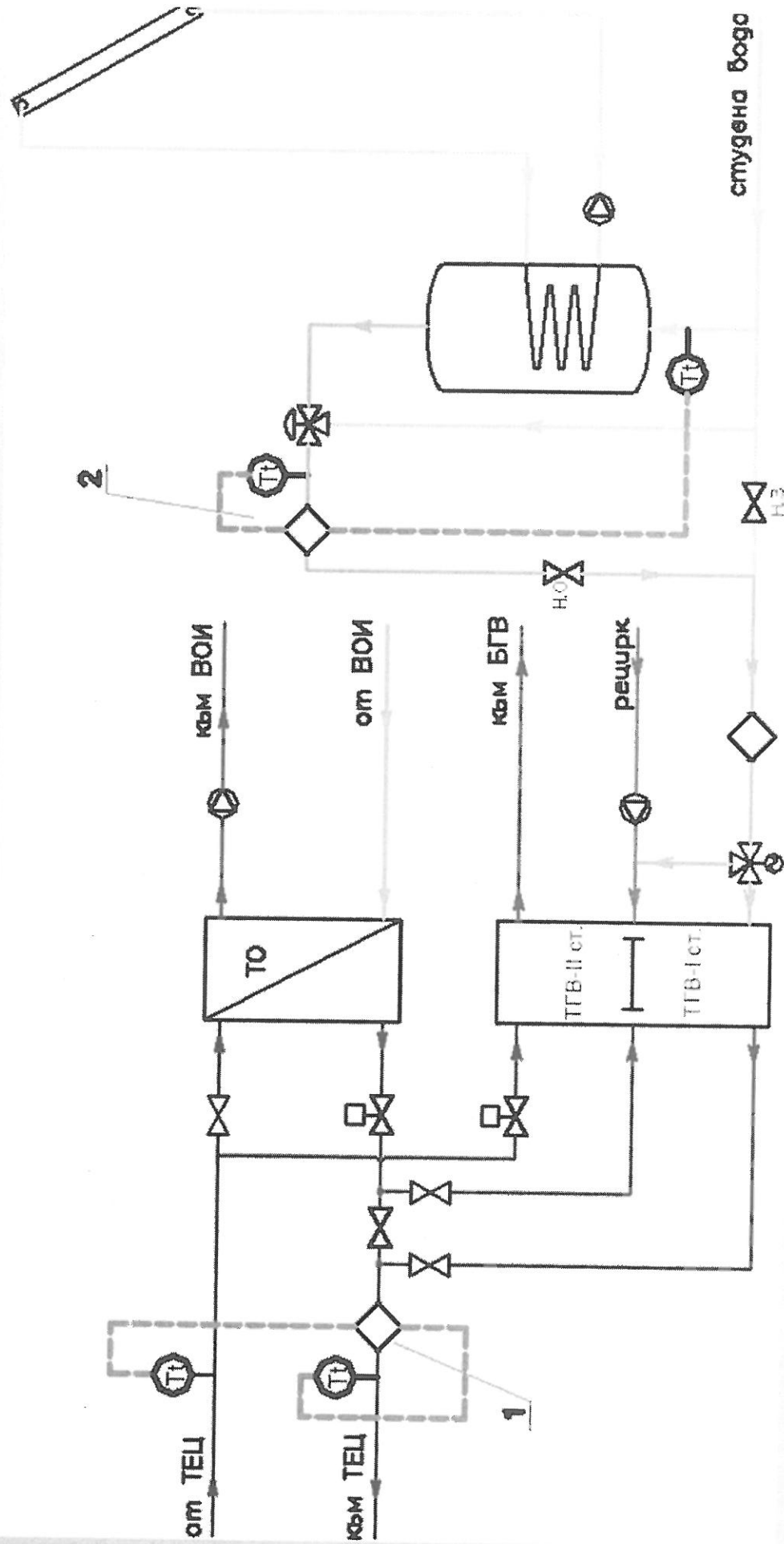


Zoom

Visualize the selection	Start	Month	Day	Hour	Export >
Visualize the total	End	March	15	1	
		April	15	24	



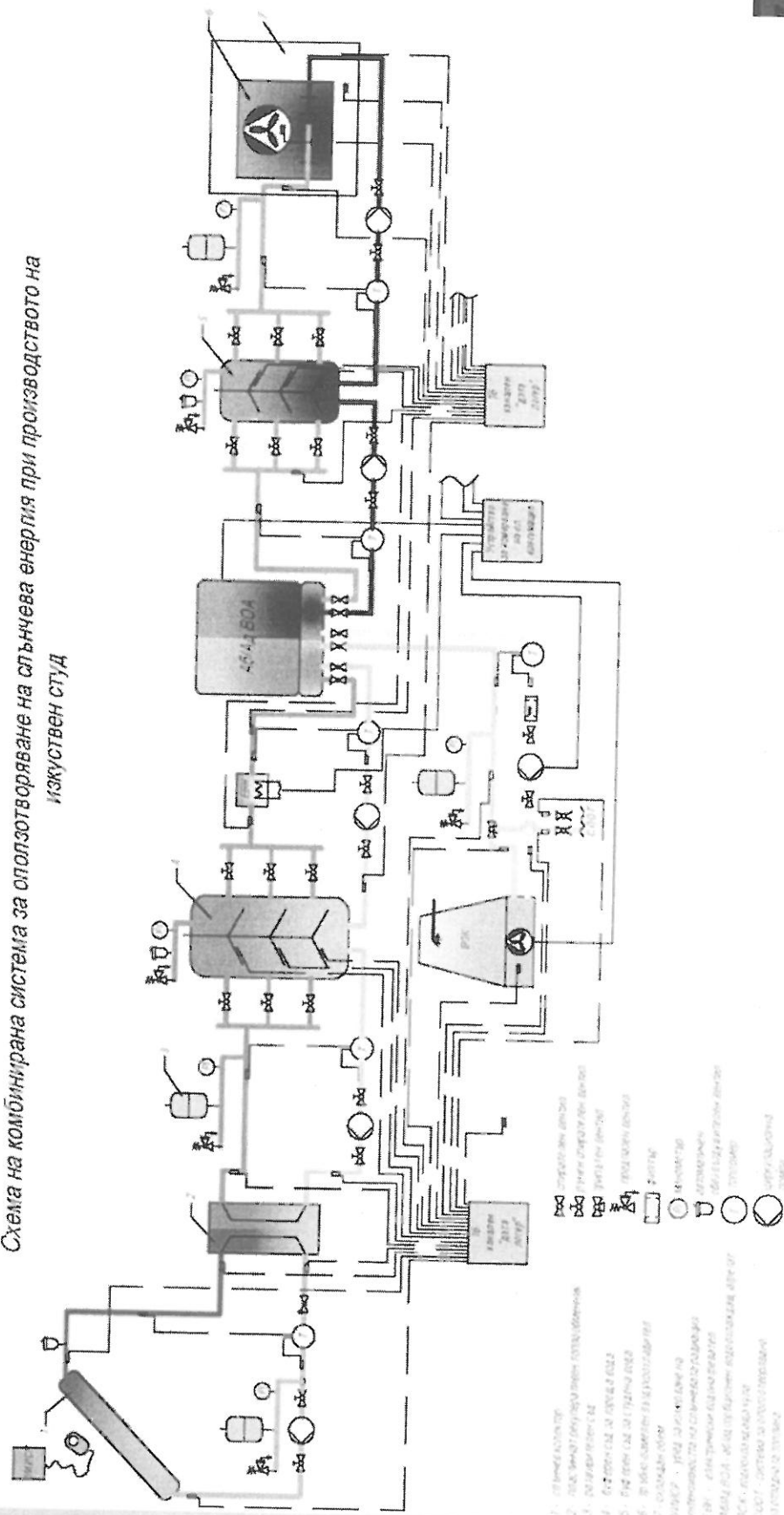
ТЕХНИЧЕСКИ ...КАК ДА СЕ ПРЕОДОЛЕЕ ОБРАТНИЯ - СО. ТОПЛИНЕН ПОТОК ПРИ КОМБИНИРАНЕ С АС

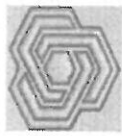


Комбинирани системи за оползотворяване на слънчева енергия при производство на студ с озонобезопасни работни тела.

Експерименталната система

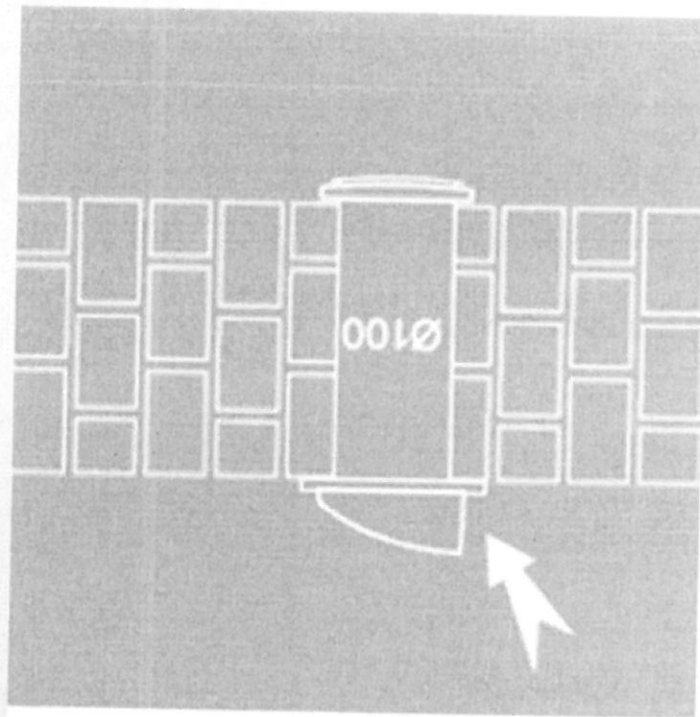
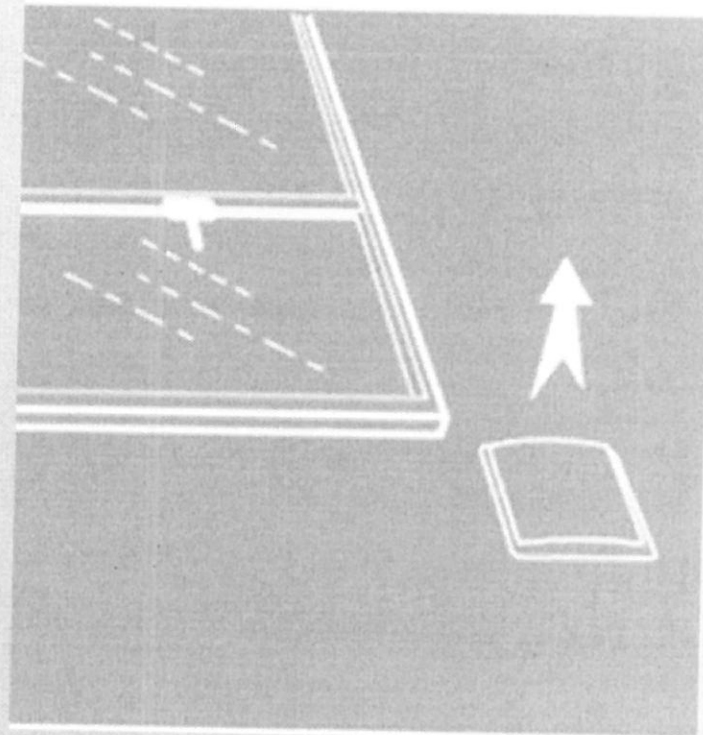
Схема на комбинирана система за оползотворяване на слънчева енергия при производството на изкуствен студ

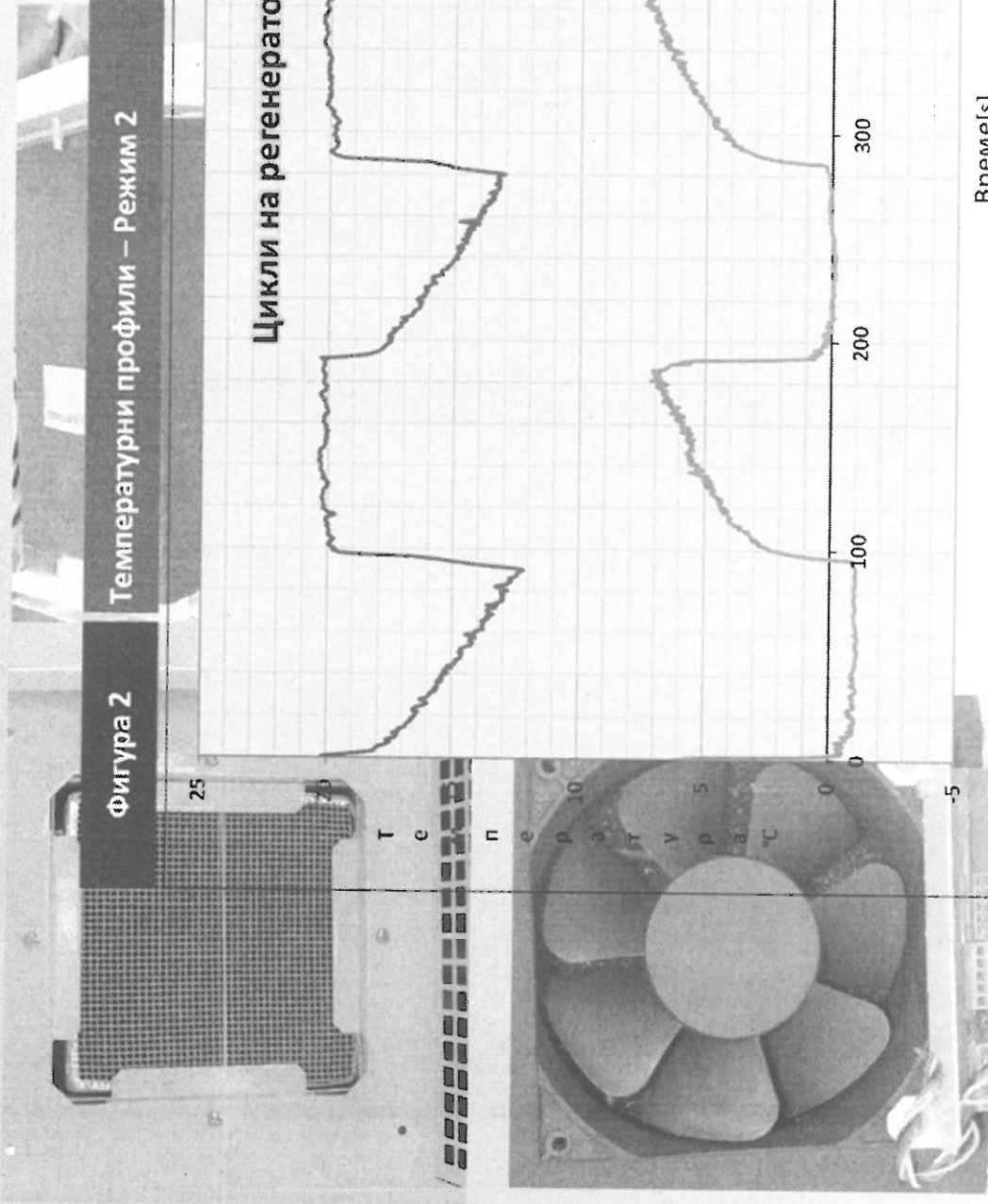
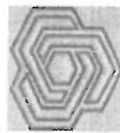




**ТЕХНИЧЕСКИ УНИВЕРСИТЕТ
- СОФИЯ**

ИЗИСКВАНЕТО ЗА ВЕНТИЛАЦИЯ В ЖИЛИЩНИ СГРАДИ !!!





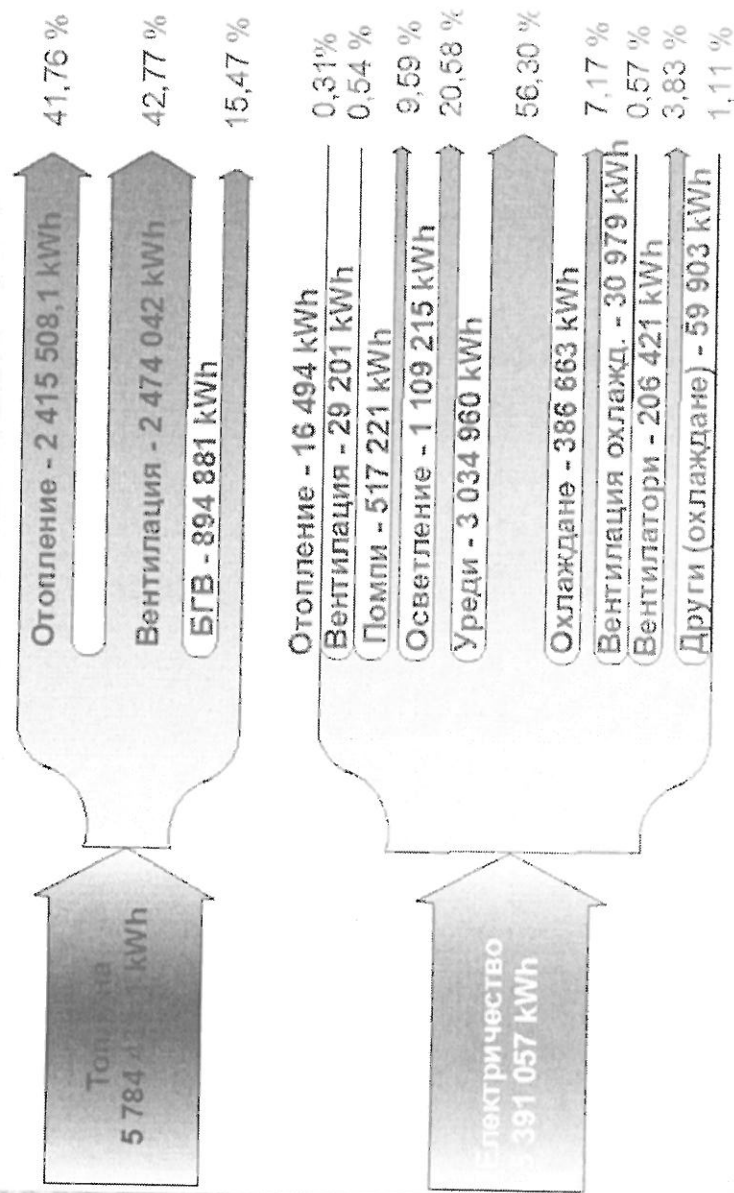
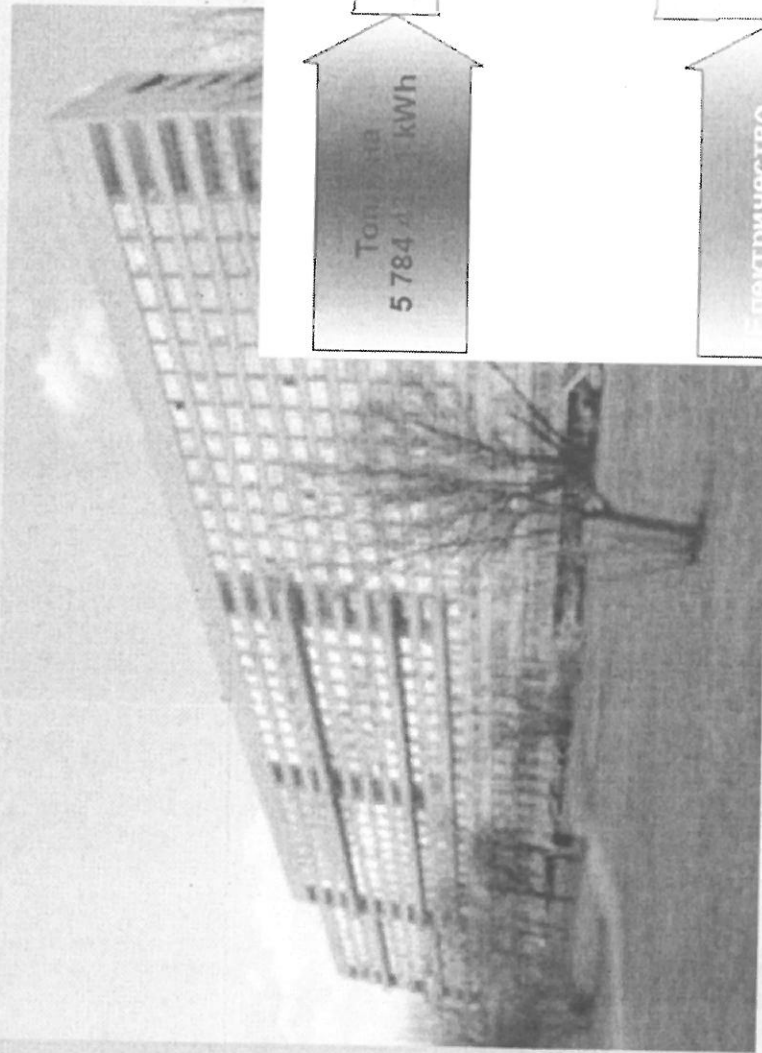
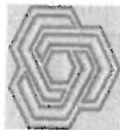


ТЕХНИЧЕСКИ УНИВЕРСИТЕТ - СОФИЯ

Таблица 1

Резултати от изпитването

Режим на работа	Среден дебит на въздух m^3/h	Средна температура в помещението $^{\circ}C$	Средна температура на околната среда $^{\circ}C$	Средна температурна разлика $^{\circ}C$	Температурна ефективност η_t	
					Средна стойност	Стандартно отклонение
-						
1	45	18,9	-0,4	19,3	0,85	$\pm 0,033$
2	70	20,2	0,1	20,1	0,75	$\pm 0,022$

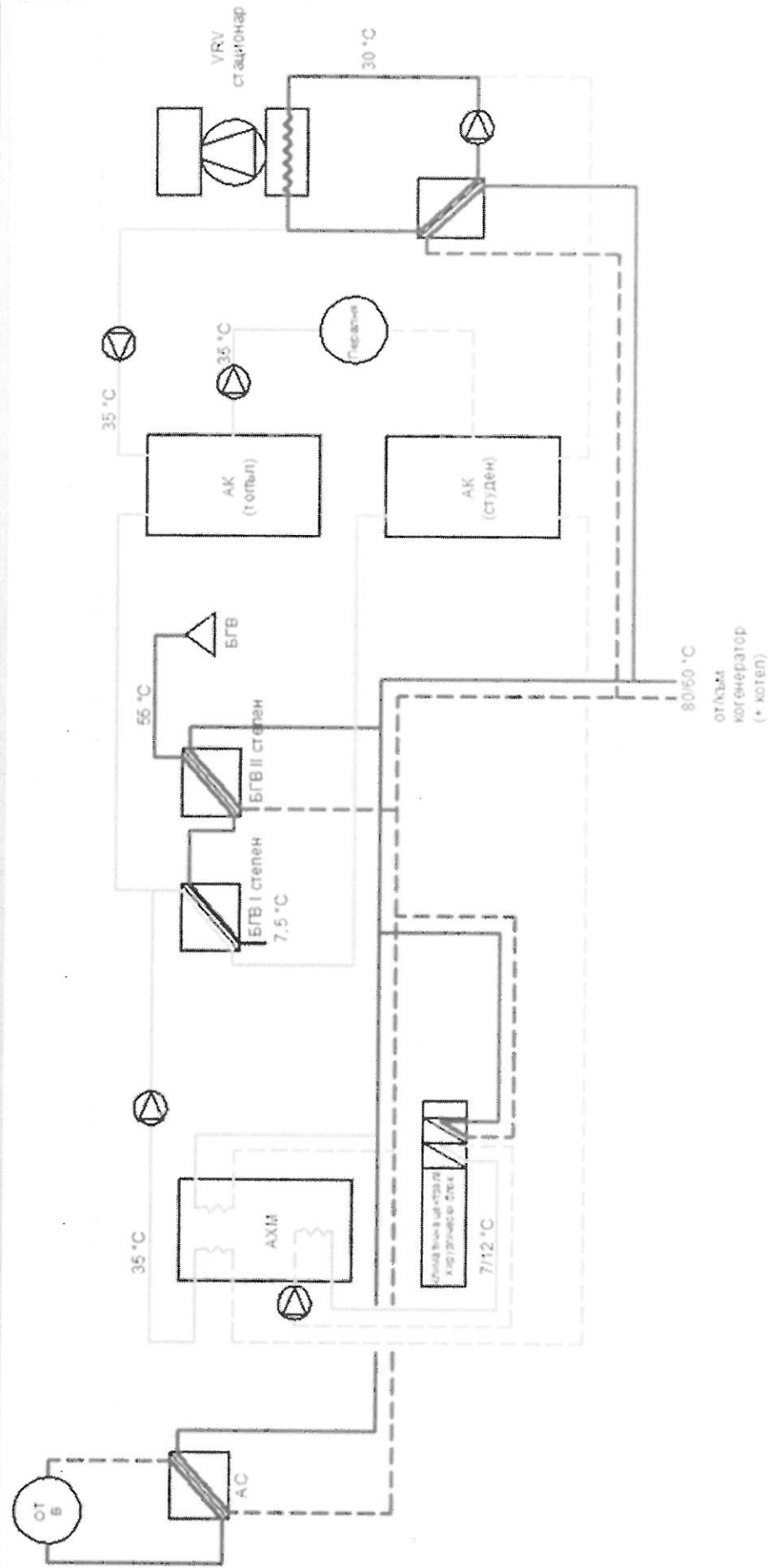




ТЕХНИЧЕСКИ УНИВЕРСИТЕТ - СОФИЯ

Фигура 9.1

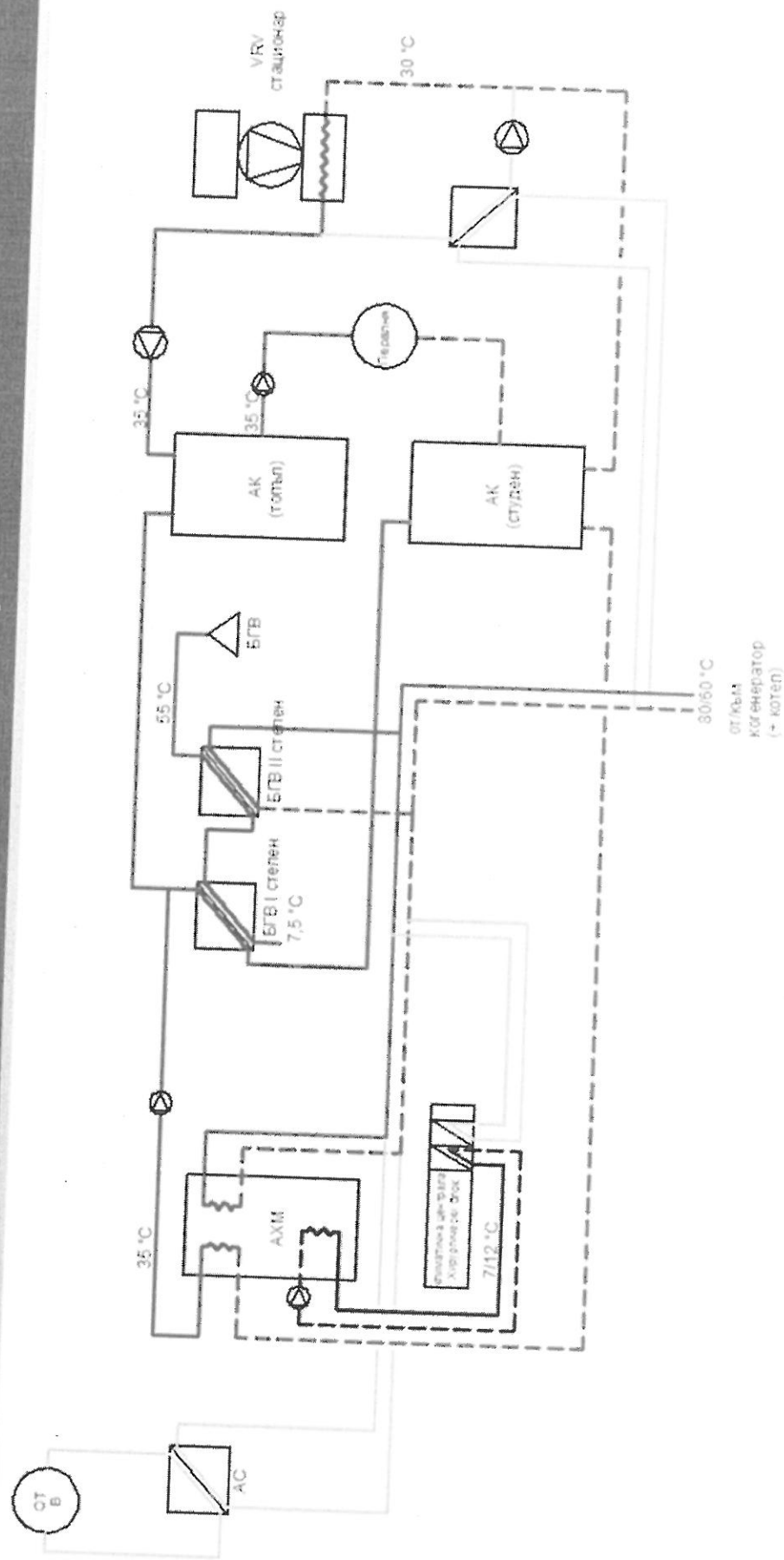
Принципна блок схема в зимен режим



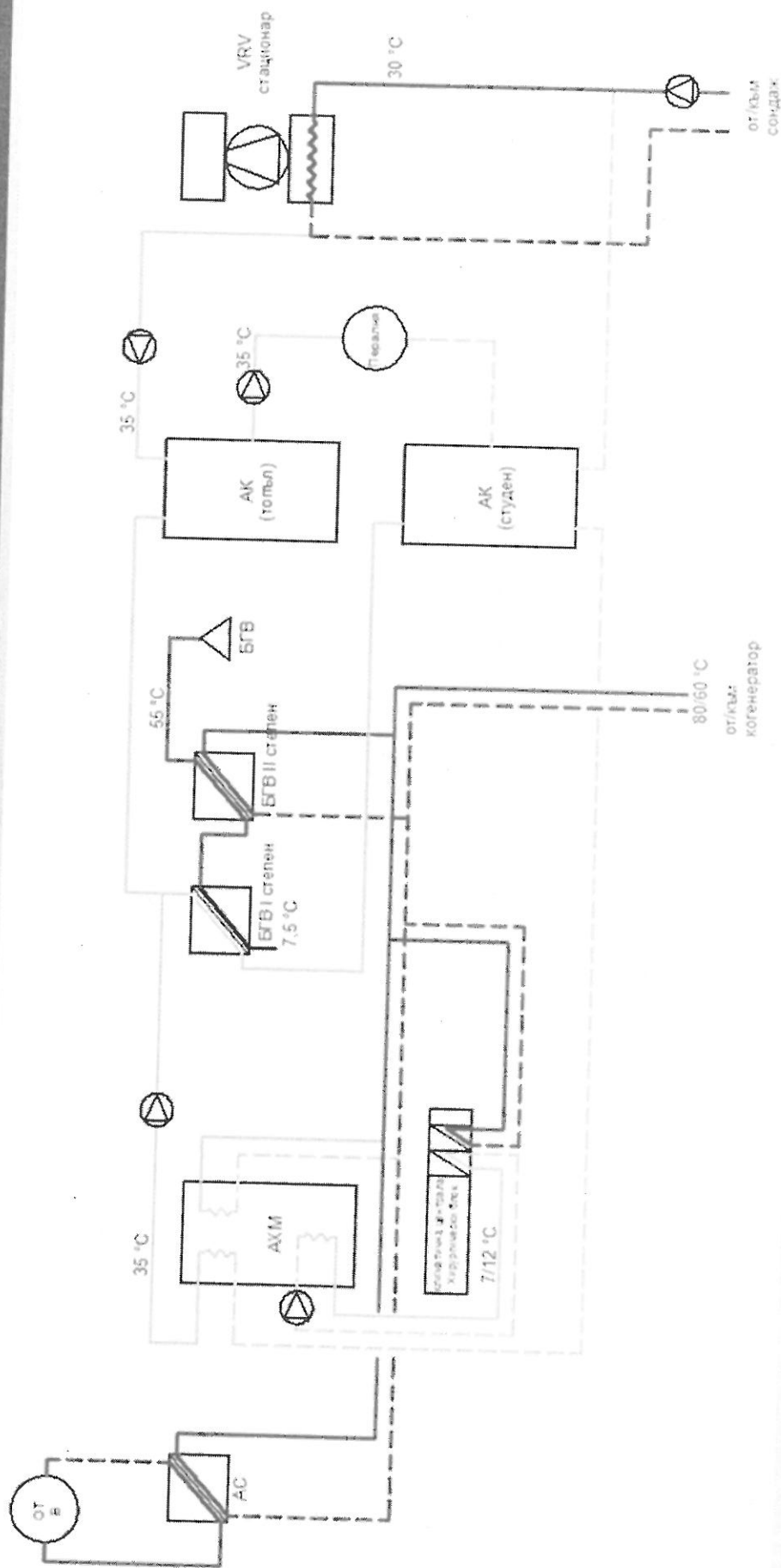


Фигура 9.3

Принципна блок схема в летен режим



Принципна блок схема в зимен режим

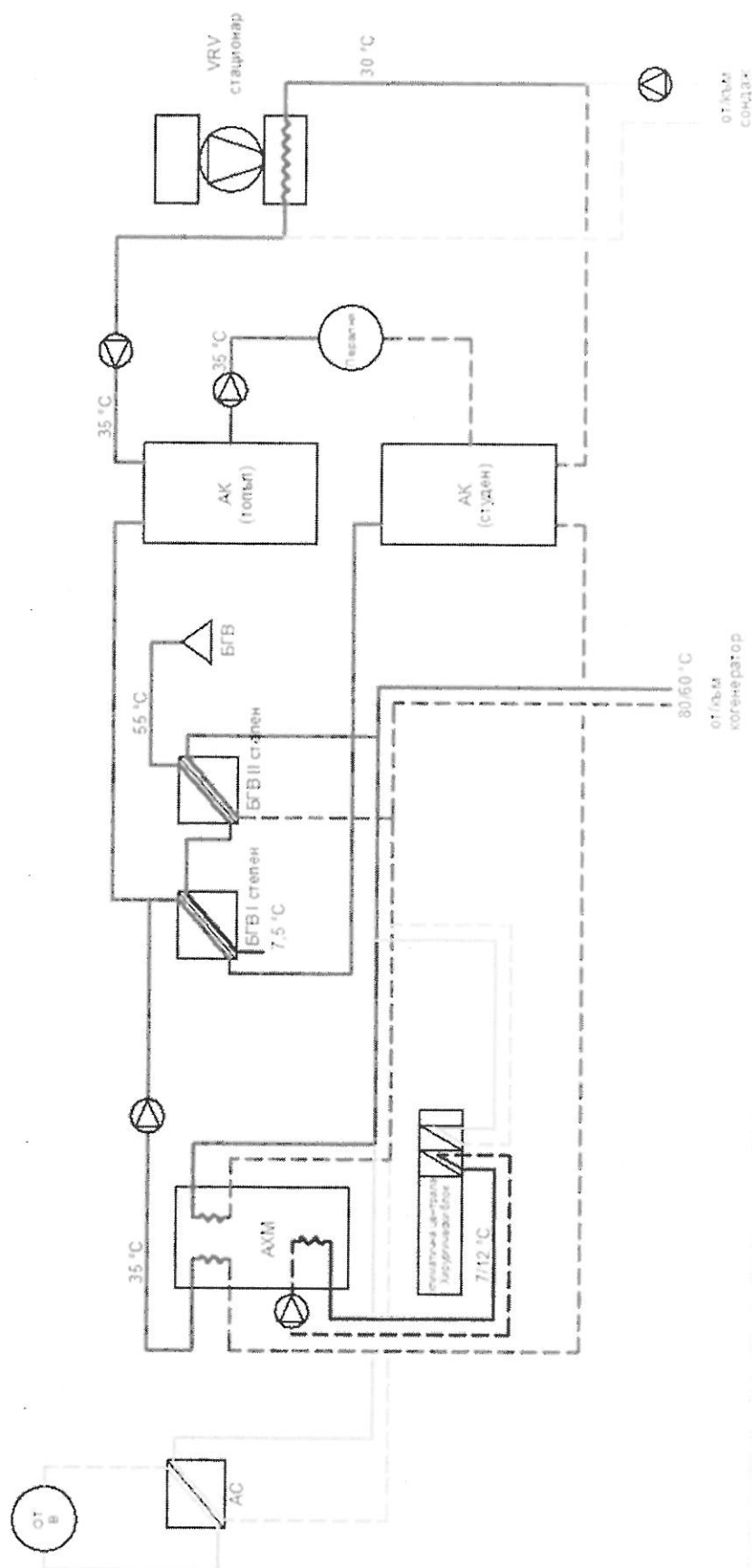




ТЕХНИЧЕСКИ УНИВЕРСИТЕТ - СОФИЯ

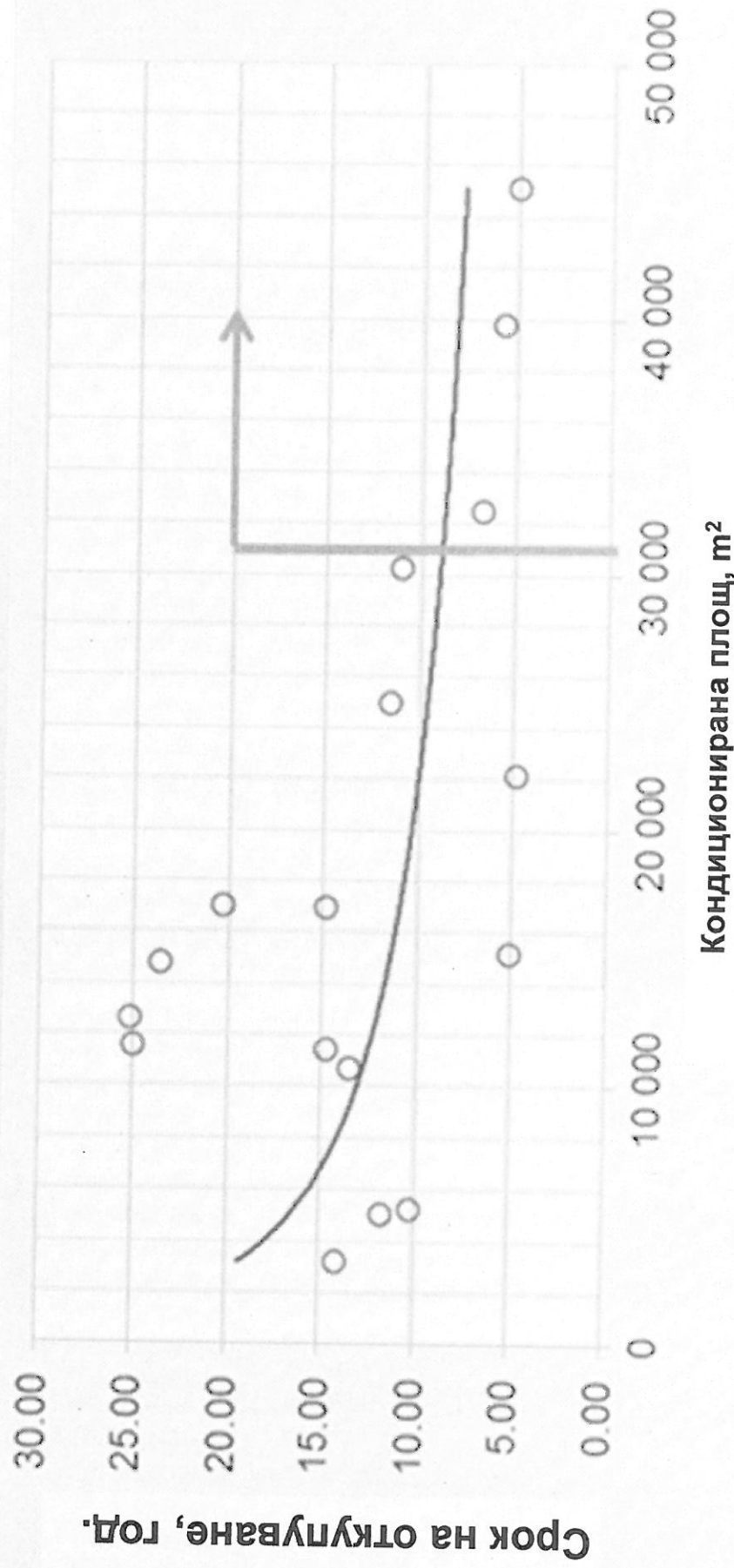
Фигура 9.6

Принципна блок схема в летен режим





Ефективно приложение на когенерация в болници



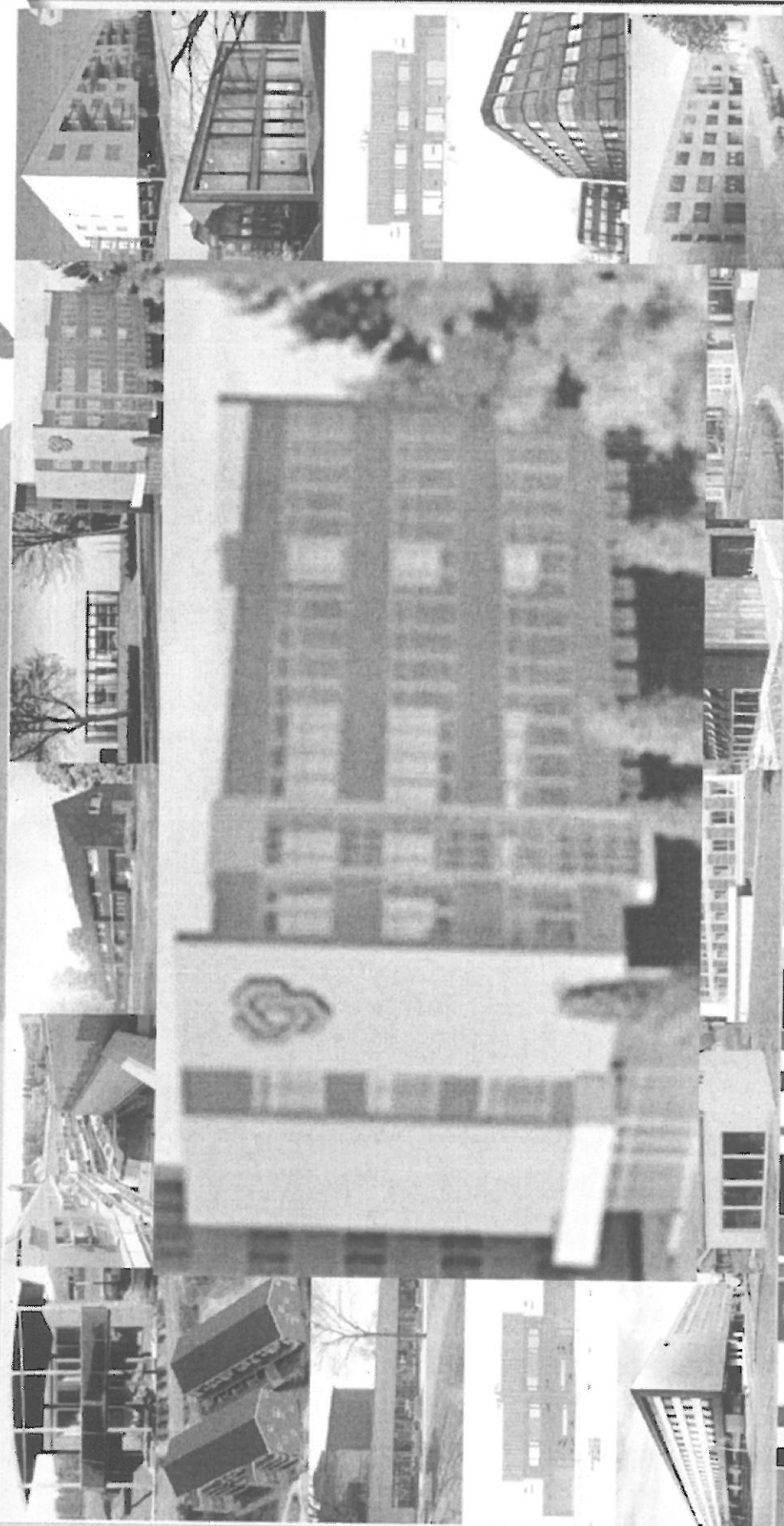


ТЕХНИЧЕСКИ УНИВЕРСИТЕТ - СОФИЯ

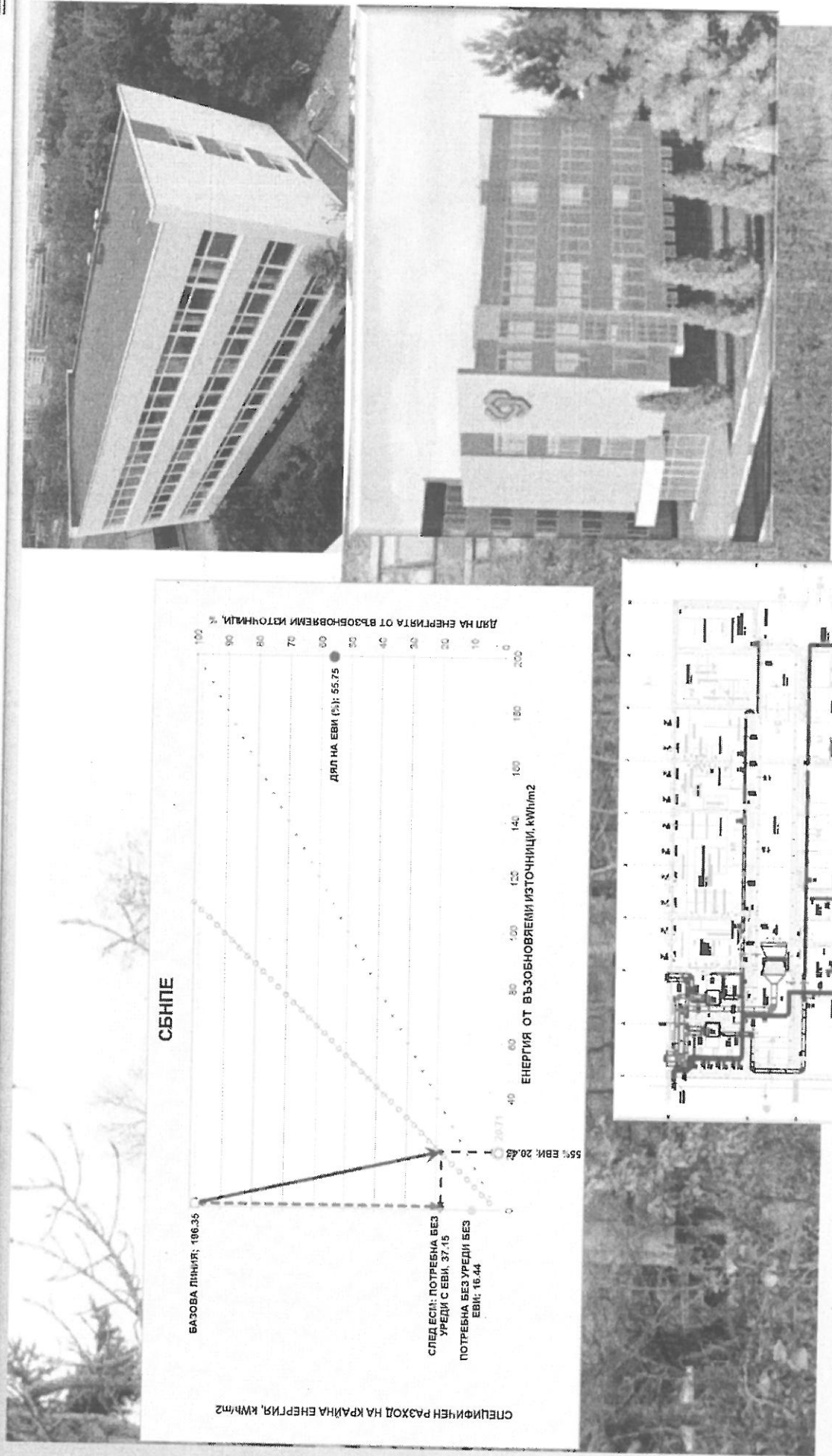
(5) Selected Examples of NZEBs in Europe (real Buildings)

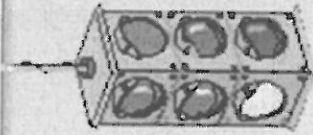


CONCERTED ACTION
ENERGY PERFORMANCE
OF BUILDINGS



Co-funded by the European Union
under the Horizon 2020 programme
for research and innovation



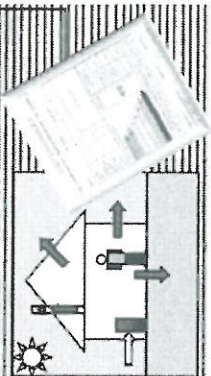


**КЛЮЧОВИЯТ МОМЕНТ В
ГЕНЕРИРАНЕТО НА РЕШЕНИЯ Е
КОРЕКТНАТА ОЦЕНКА ЗА
ТЕХНИЧЕСКА ВЪЗМОЖНОСТ И
ИКОНОМИЧЕСКА
ЦЕЛЕСЪОБРАЗНОСТ
ПРИ ГАРАНТИРАНЕ НА
КАЧЕСТВОТО !!!**



ТЕХНИЧЕСКИ УНИВЕРСИТЕТ

СОФИЯ



БЛАГОДАРЯ ЗА ВНИМАНИЕТО