

	No	DK08
	Title of project	Flue gas - Vejen District Heating
	Referance	Inspirationskatalog for store varmepumpeprojekter i fjernvarmesystemet (ver 2017)
Installation	Industry	CHP Combined Heat and Power
	Process applied	Heating/Cooling
	Location (DK)	Vejen, Denmark
	Year of installation	2013
	User (company)	Vejen District Heating
Technology - system	HP technology	MHP
	HP system	Standard unit - Sabroe HeatPac 2 x HPC 106 S VSD
	Working fluid (Refrigerant)	R717
	Heating/cooling capacity (kW)	1214/1024 kW COP 5.9
	Heat Sink I N (°C)	45
	Heat Sink OUT (°C)	55
	Heat source/ heat sink	Hot flue gas from scrubber (straw and tile)
	Heat Source I N (°C)	40
	Heat Source OUT (°C)	20
	Heat storage	
Effects	Savings energy (%)	66,605 DKK/Year
	Savings CO2 emissions (%)	
	additional effects	Pay back: 52.5 years