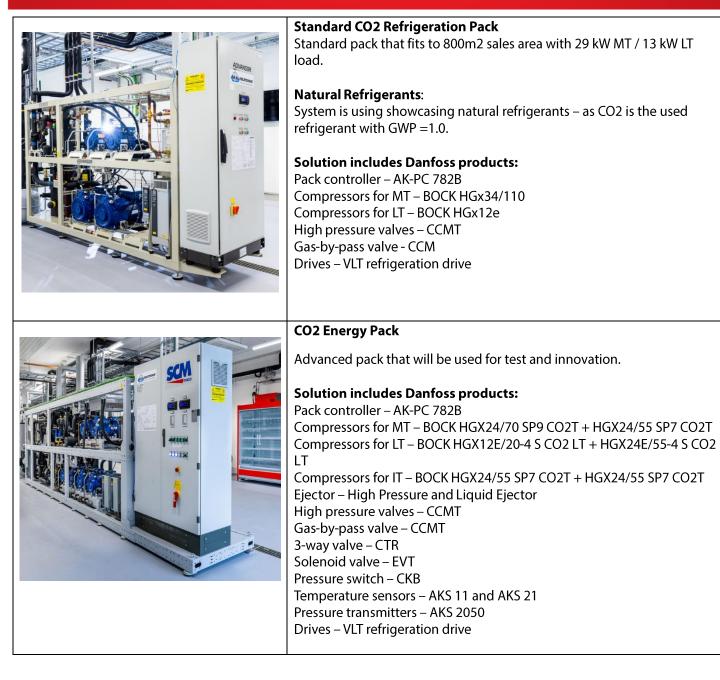


ENGINEERING TOMORROW

Smart Store Application Development Center Fact Sheet



	Heat Recovery Unit
	DSA HRU - 2 tank solution with option to sell heat
	Solution includes Denfors products
	Solution includes Danfoss products:
	Controller - ECL 310
	Energy meters – SonoMeter 40 and SonoSelect 10
	Heat exchangers – MPHE XB59
	Mixing valve – VRB3 and AMV 435
	Motorized combi valve – AH-QM and AMV 435
	Temperature Sensors – ESM, ESMU and ASK 21
	Heating capacity: 338 kW
	Temperature program: 90-50/70-40
· rølser-sudar	Evaporators
	18 cabinets and 2 cold rooms
	Low temperature: 8 LT cabinets + 1 LT cold room
	Medium temperature: 10 MT cabinets + 1 MT cold room
	•
	Solution includes Danfoss products:
	Controller - AK-CC55 Single Coil
	Display – AK-UI55 Bluetooth
	Valve – AKVP
	Temperature sensors – AKS 11
	Pressure transmitter – AKS 2050
	Digitalization:
	Alsense Food Retail Services providing actionable insights — improving
Less waste.	operational efficiency, asset performance and energy efficiency with
More sense.	intelligent data on an IoT cloud platform, preventing food loss and energy
	waste.
Alsense'	
	Energy as a Service:
	Danfoss has partnered with ANEO Retail to develop a unique service
	model, "Energy as a service (EaaS)", providing retailers with a highly
	flexible solution for accessing highly energy efficient equipment faster
	without larger up-front investments.
Photo Voltaic National	Store Facts:
* Refrigerants HVAC	Size of area (Gross area: 2.719 m2)
	Supermarket: 1.421m2 – hereof 800m2 sales area + Car Wash: 211m2
Lighting	ADC ground Floor: 527m2 – here of 250m2 technical room + ADC 1. Floor:
	226m2 + 334m2 outside test area
Cold and Heat Storage	ZZUNZ + SSHNZ UUISIUE IESI dIEd
	Contradiction 7 Dente C. C.
Monitoring and External	Gas leak detection: 7 Danfoss Gas Sensors
Battery Storage	Comfort cooling with glycol – 20kW + 20kW (Chiller + Advanced pack)
	100KW solar panels -> 100.000 KWH / Year
Charging	Extra load for heat recovery – 1.036 m ground loop equivalent to 20kW
Hydronic Heating	Pre-Certifications – DGNB Gold / LEED Platinum
Bechard Gold Style Balancing Styl	Biodiversity - Green roof and water collection.
Cooling Grid	