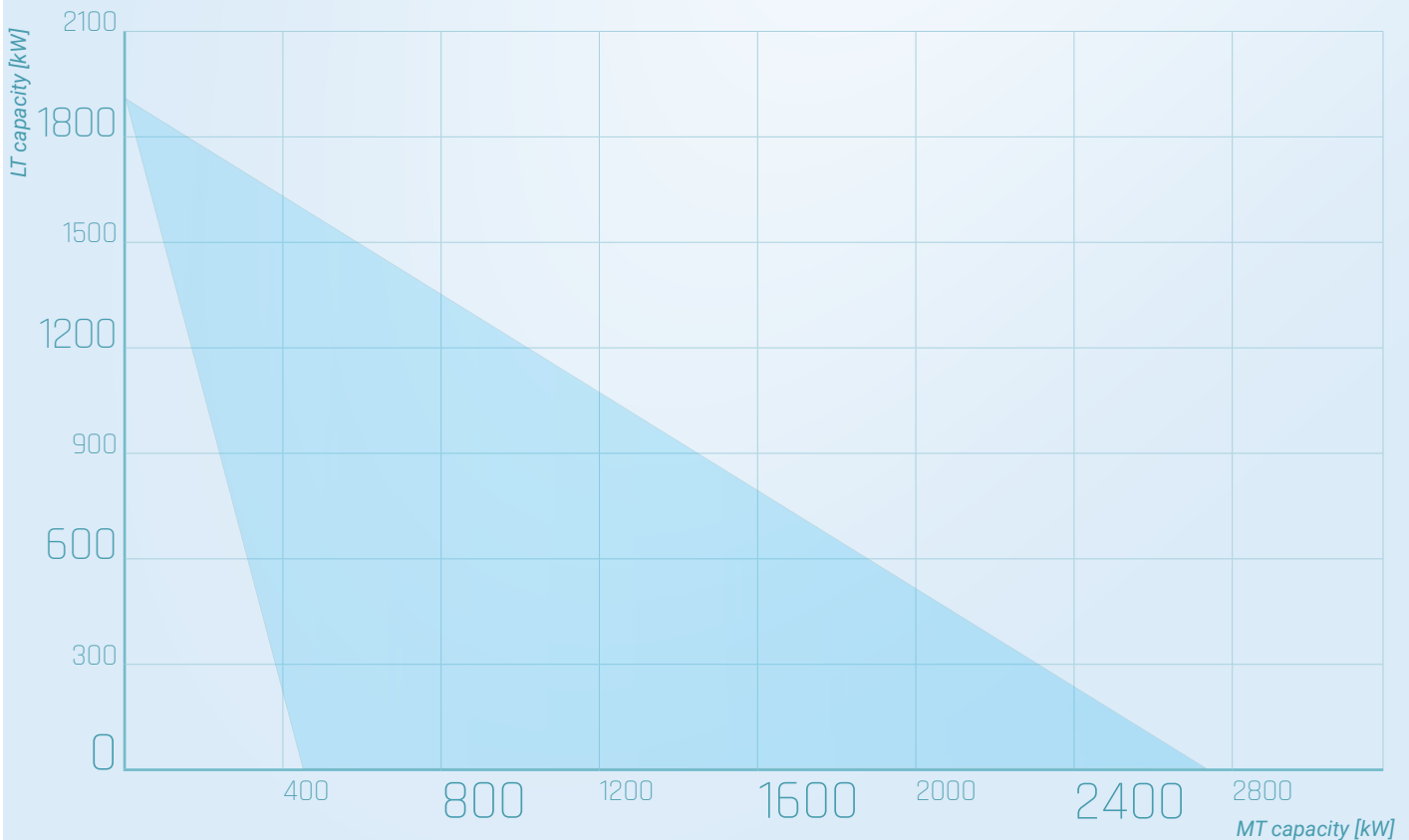
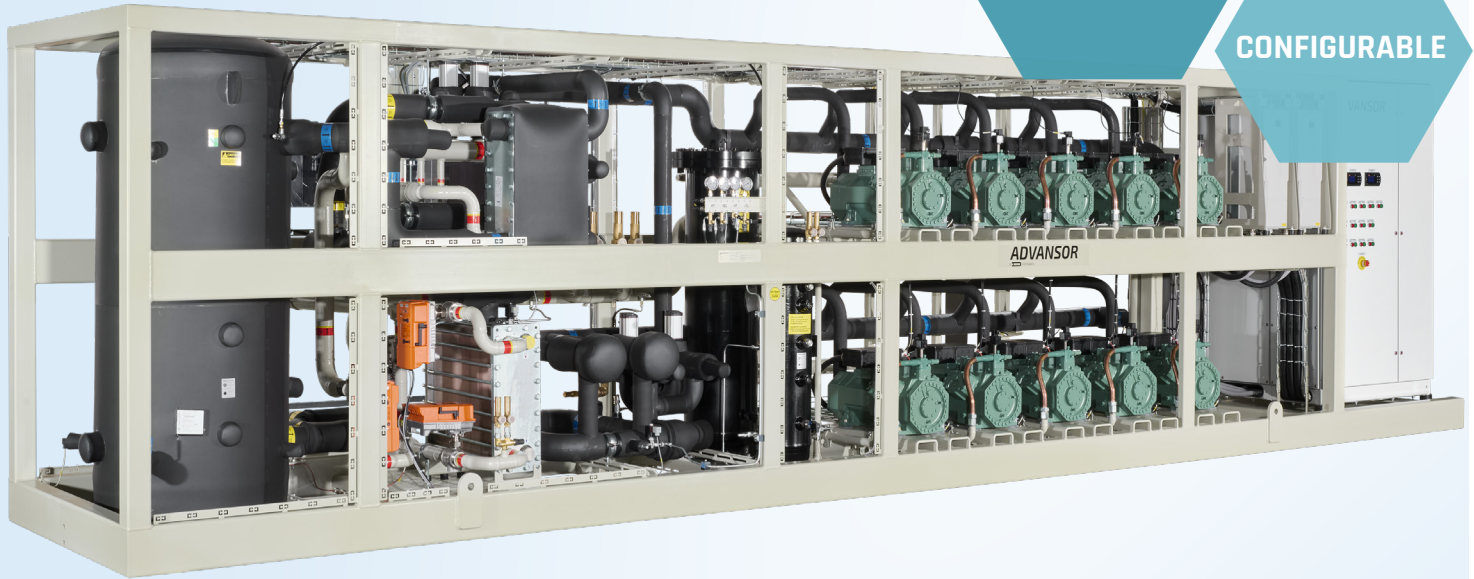


# STEELXL

2.7 MW COOLING AND 4 MW HEATING  
IN ONE UNIT  
+50 MW IN PARALLEL



## DIMENSIONS

Max no. of MT (IT) compressors	16
Max no. of LT compressors	15
Max capacity MT [kW]*	2700
Max capacity LT [kW]*	1900
Max capacity AC [kW]*	450
Max capacity HR [kW]*	4000
Receiver volume [L]	1000 - 3000
Power supply [V]	3 ph 400 - 460
Frequency [Hz]	50/60
Height [mm]**	2450
Width [mm]	1600
Length [mm]	4500 - 13500
Weight [kg]***	6700 - 25000

\*All capacities are calculated at -8°C MT, -30°C LT and 35°C out of the gas cooler

\*\*Excl. power supply connection box

\*\*\*Project specific

## STANDARD EQUIPMENT

Earthing system TN-S  
Internal heat exchanger in receiver  
Hot gas dump  
Liquid line injection  
Filter drier  
CO<sub>2</sub> low level switch  
Frequency inverter on MT1  
Pressure relief valves

## CONTROLLERS AVAILABLE

*Controller configured and tested with optimal parameters from factory*

Danfoss  
Wurm  
Carel

## STANDARD DESIGN PRESSURES

High pressure: 130 bar  
Receiver pressure: 80 bar  
MT suction pressure: 52 bar  
LT suction pressure: 30 bar

## OPTIONS

### CLIMATE SOLUTION

Heat recovery  
Smart heat recovery control  
Heat pump function  
Chiller  
Air conditioning

### ENERGY EFFICIENCY

Automatic adiabatic activation  
Cylinder unloading technology  
Permanent magnet motor  
Ejector technology  
Frequency inverter LT  
Additional frequency inverter LT  
Additional frequency inverter MT  
Insulation on discharge side  
Ultra-low superheat  
Active liquid subcooling  
Liquid power cooler  
Advansor COP hunter  
Desuperheater LT  
Hot gas defrost  
Multiple suction groups

### SAFETY

Suction accumulators and filters  
Increased design pressure  
Emergency cooling unit  
Emergency stop  
Gas detector  
Halogen-free insulation and cabling  
Backup controller  
Switch for manual start of compressors  
Suction gas superheater  
Double high pressure and gas bypass valve

### EASY INSTALLATION

Gas cooler  
Service outlet in panel  
Light in electrical panel  
Designed in two  
Additional cable length

### MONITORING

CO<sub>2</sub> level transmitter  
Energy meter

*ISO 9001:2015 certified*

*Extensive factory tests to ensure fast commission on both pressure and electrical installations  
Documentation and manuals that meet EN standard requirements*

*ISO 50001:2018 certified*