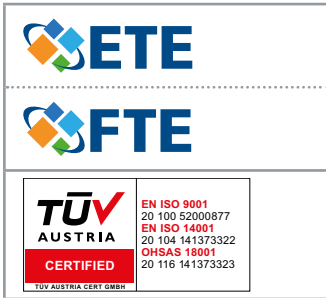


ECO₂MIDDLE

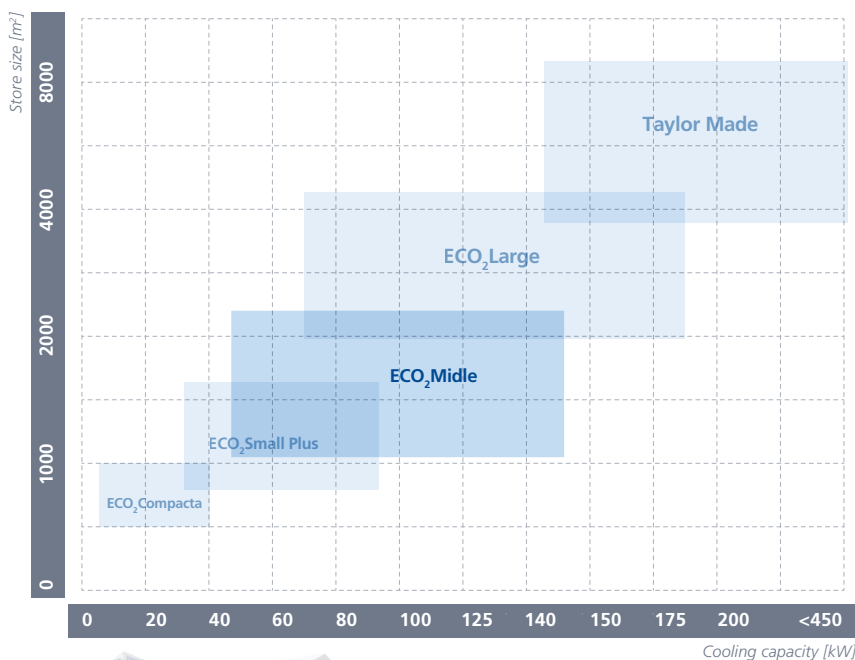
MT from 60 to 150 [kW]

BT from 0 to 50 [kW]



Range of Power Packs CO₂

- CO₂ transcritical unit.
- Very compact product
- Modular design for manutention and complex installation.
- Booster BT and MT.
- High pressure oil solution from EPTA.
- ETE and FTE performing systems available on this platform
- Easy maintenance concept



Technical Information

Compressors BITZER	MT3 + BT3	MT4 + BT3
Number of MT compressor	max 3	max 4
Number of BT compressor	max 3	max 3
Number of ETE compressor	max 1 <i>(total MT+ETE = maxi 3)</i>	max 1 <i>(total MT+ETE = maxi 4)</i>
Smallest MT compressor	4PTE-7K	
Biggest MT compressor	4DTE-25K	
Smallest BT compressor	2MSL-07K	
Biggest BT compressor	2DSL-5K	
Smallest ETE compressor	4PTE-7K	
Biggest ETE compressor	4KTE-12K	

General		
Power supply	3P+T400 V (50Hz)	
Short-circuit current (kA)	35 kA (standard)	
Max weight	1450 kg	1750 kg
Liquid receiver volume	200 l	
Estimated sound pressure level (max)	59 dB(A)@10m	60 dB(A)@10m
Sound power level (max)	86,8 dB(A)	88 dB(A)
Installation	Indoor version	

Pressure service	
High pressure	120 bar
Suction MT	45/53/60 bar
Suction BT	30/60 bar
Suction ETE	100 bar
Suction Liquid line	45/53/60 bar
Oil circuit	120 bar
Installation	Indoor version

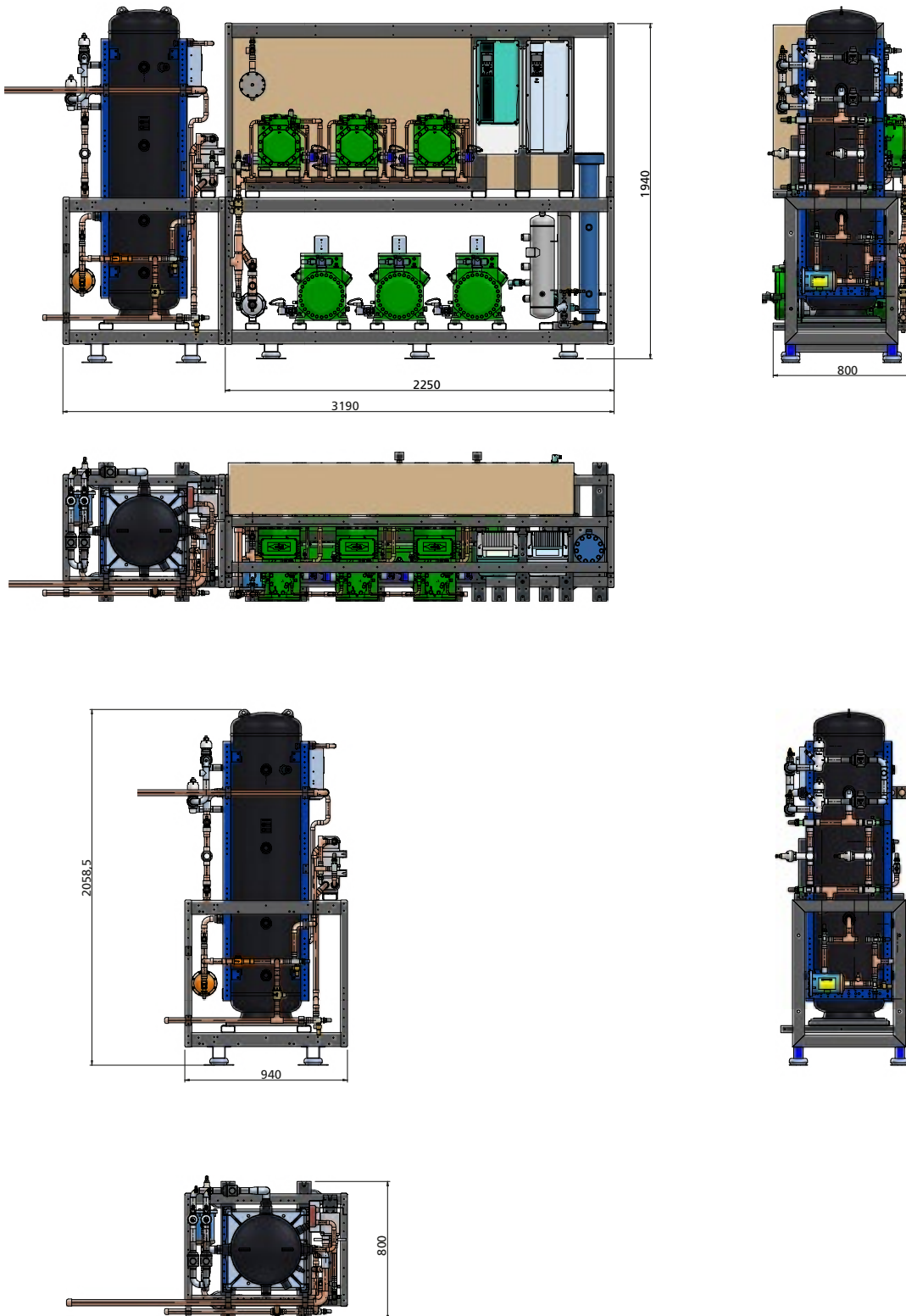
Components and options

ACCESSORIES	BASIC	OPTIONAL
SECURITY PACK		
Doble flash gas valve (1 back-up)		•
Doble transcritical valve (1 back-up)		•
Back-up regulator		on request
ULTRACAP or UPS integrated		•
UPS predisposition	•	
Liquid injection MT	•	
Hot gas injection MT	•	
Hot gas injection BT	•	
Safety valve on manifold		•
Doble safety valve on remote rack	•	
Alarm liquid level		•
Air desuperheater for BT outlet	•	
Exchanger for back-up unit		•
Back-up R134a unit remote		•
Back-up R744 unit remote		•
MAINTENANCE PACK		
Filter suction MT	•	
Filter suction BT	•	
Filter on oil line	•	
Liquid line with dryer repacable cartridge	•	
By-pass oil separator	•	
By-pass liquid line	•	
Predisposition for ICE SMART		•
PERFORMANCE PACK		
CR II IQ module		•
Inverter MT/BT	•	
ETE remote		•
FTE remote		•
LSPM motor on 1st MT compressor		•

ACCESSORIES	BASIC	OPTIONAL
ELECTRICAL PANEL		
Diferential protection		•
Emergency push button		•
Electrical counter		•
Display		•
Manual switches		•
Inverter MT / inverter BT 1st compressor	•	
Warning and operating lights		•
DANFOSS regulator	•	•
CAREL regulator	•	•
WURM regulator		on request
MECHANICAL		
Housing		on request
Noise insulation on housing.		on request
Feet with absorbers feet.	•	
EXCHANGERS		
Exchanger for heat recovery remote		•
Economizer (exchanger out GC / flash gas)		on request
Auto subcooler for liquid line with regulation.		on request
Auto subcooler for liquid line (exchanger liquid line / flash gas)		on request
Subcooler outlet gas cooler exchanger		on request

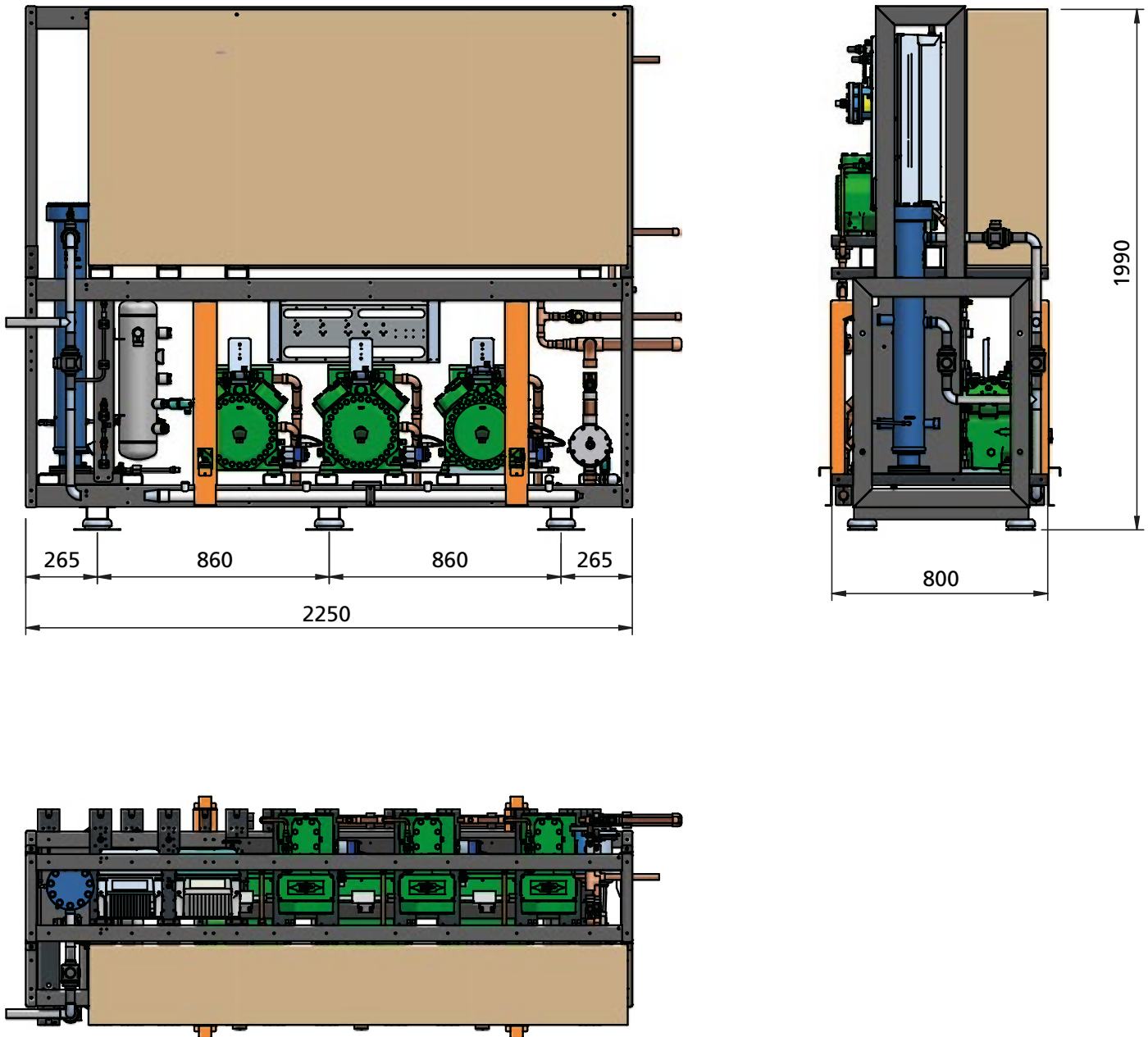
Dimensions

MT3 + BT3



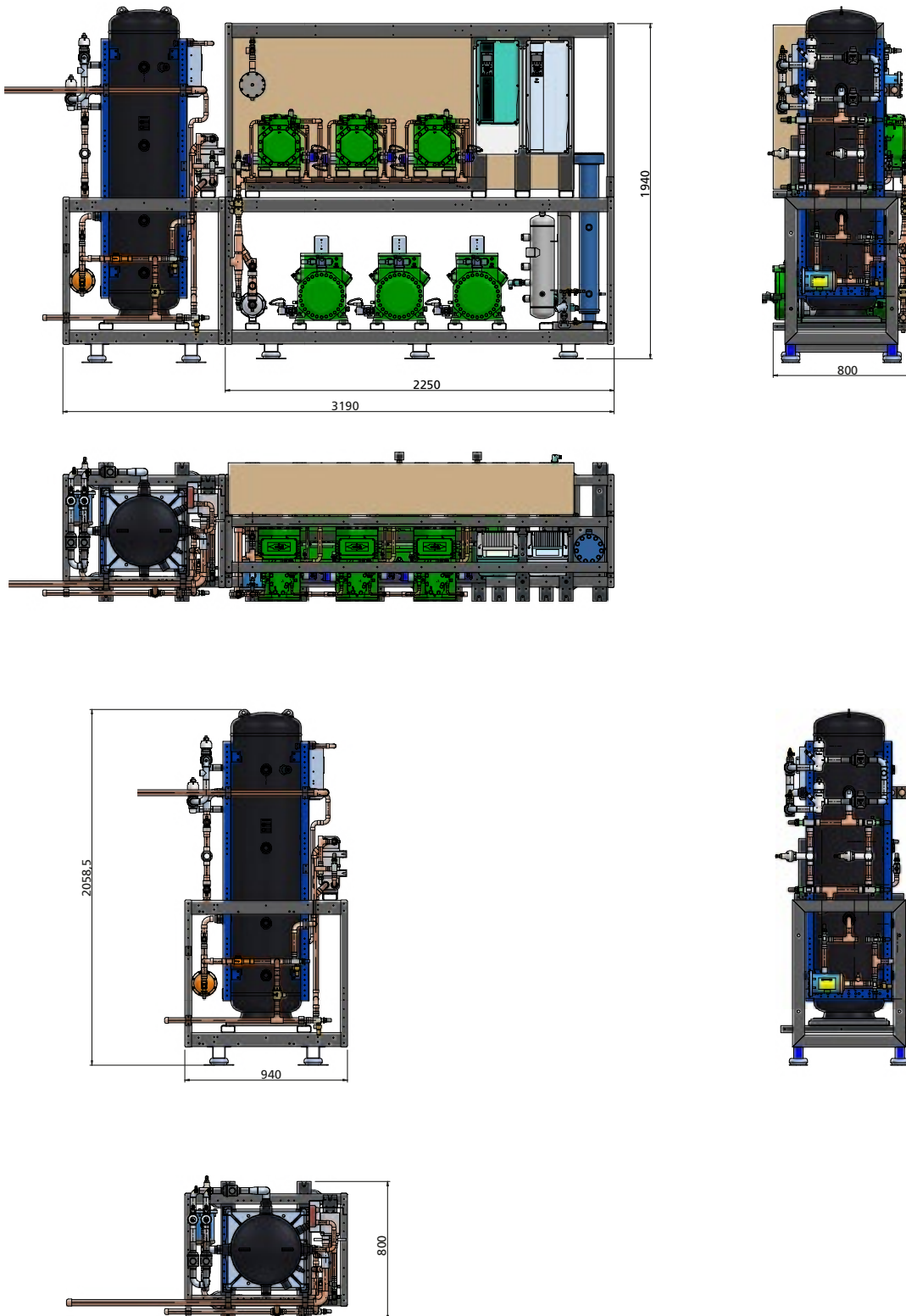
Dimensions

MT3 + BT3 WITHOUT LIQUID RECEIVER



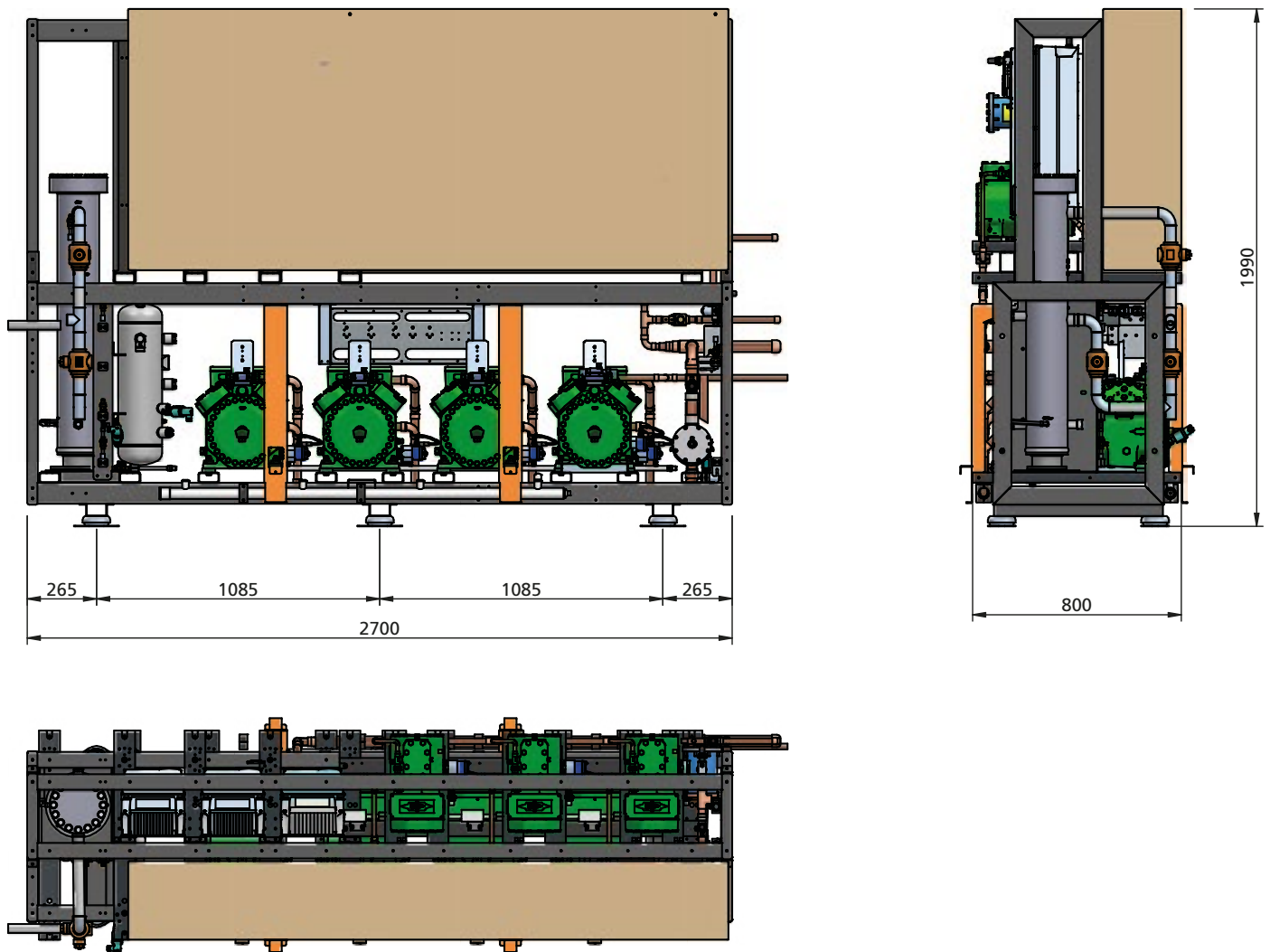
Dimensions

MT4 + BT3



Dimensions

MT4 + BT3 WITHOUT LIQUID RECEIVER



Dimensions

LIQUID RECEIVER REMOTE

