


ECO₂LARGE

MT from 80 to 200 [kW]


LT from 0 to 60 [kW]




SUPERMARKET



DRIVE







EN ISO 9001
20 100 52000877

EN ISO 14001
20 104 141373322

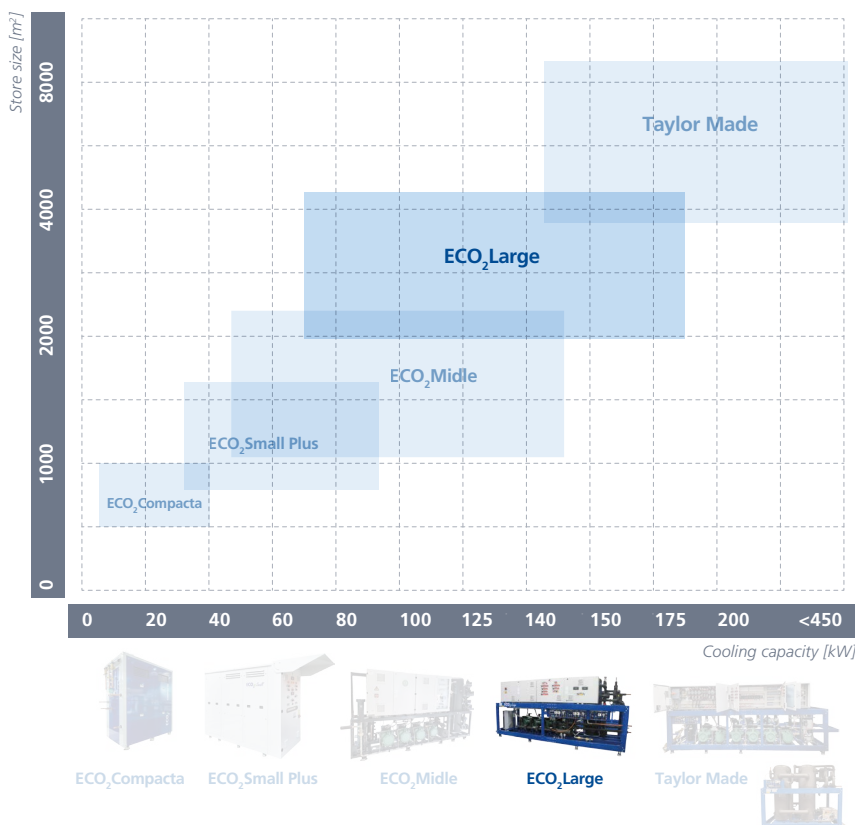
OHSAS 18001
20 116 141373323

CERTIFIED

TUV AUSTRIA CERT GMBH



Range of Power Packs CO₂



- CO₂ transcritical unit
- High level of customization
- Booster LT and MT
- High pressure oil solution from EPTA
- ETE and FTE performing systems available on this platform
- Combined onboard FTE 2.0 system available
- Easy maintenance concept

Technical Information

Compressors BITZER	MT4 + LT3	MT5 + LT3 & Outdoor install.
Number of MT compressor	max 4	max 5
Number of LT compressor	max 3	max 3
Number of ETE compressor	max 1 <i>(total MT+ETE = maxi 4)</i>	max 1 <i>(total MT+ETE = maxi 5)</i>
Smallest MT compressor	4JTE-10K	
Biggest MT compressor	4CTE-30K	
Smallest LT compressor	2JSL-2K	
Biggest LT compressor	2CSL-6K	
Smallest ETE compressor	4PTE-7K	
Biggest ETE compressor	4HTE-20K	

Compressors BITZER	MT4 + LT3	MT5 + LT3	Outdoor install.
Power supply	3P+T400 V (50Hz)		
Short-circuit current (kA)	35 kA (standard)		
Max weight	2650 kg	3050 kg	3950 kg
Liquid receiver volume	200 l		
Estimated sound pressure level (max)	60 dB(A)@10m	61 dB(A)@10m	55 dB(A)@10m
Sound power level (-10°C/90 bar)	88 dB(A)	89 dB(A)	83 dB(A)
Installation	Indoor or outdoor version		

Pressure service	
High pressure	120 bar
Suction MT	45/53/60 bar
Suction LT	30/60 bar
Suction ETE	100 bar
Suction Liquid line	45/53/60 bar
Oil circuit	120 bar

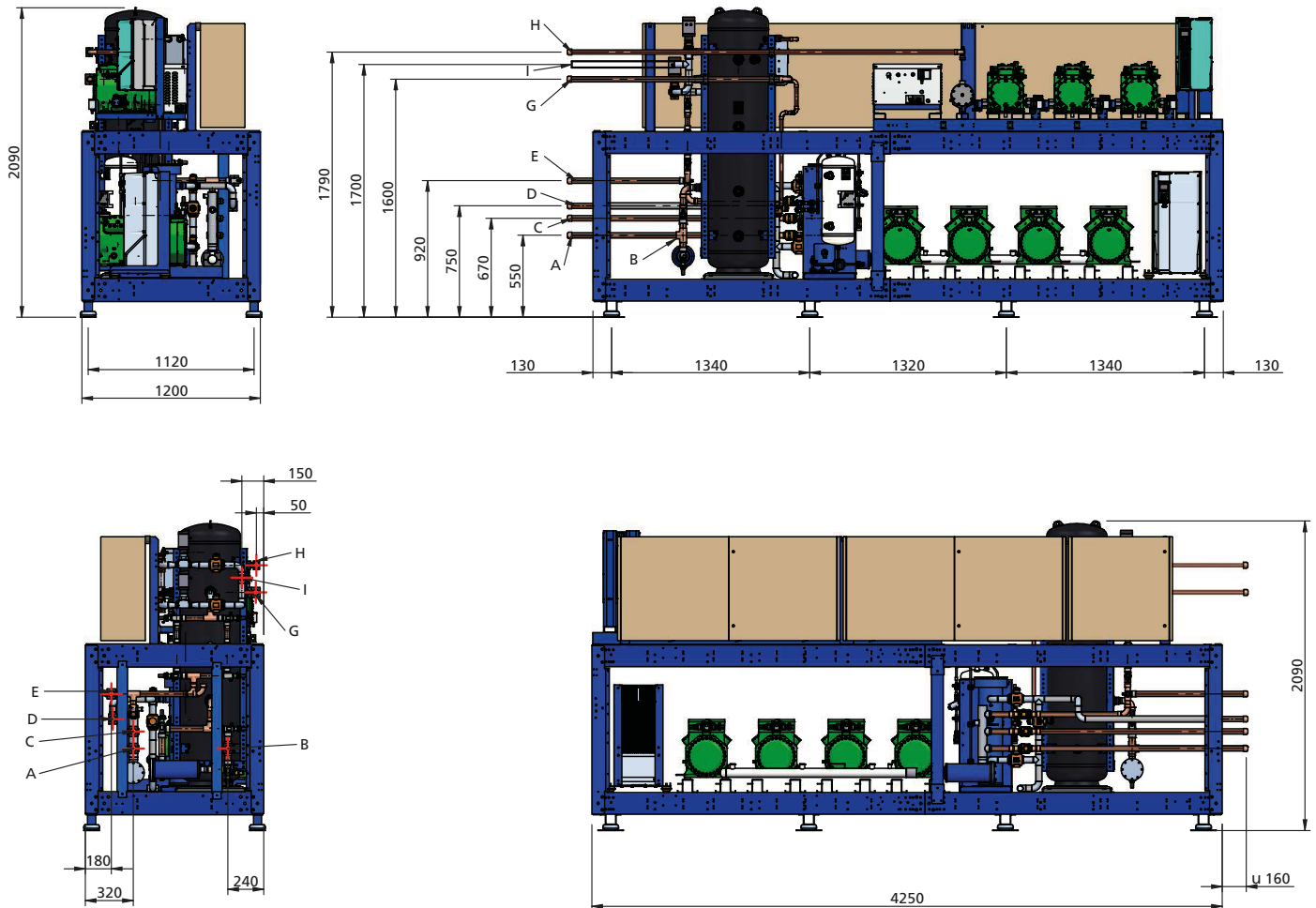
Components and options

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

ACCESSORIES	BASIC	OPTIONAL
ELECTRICAL PANEL		
Differential protection		•
Emergency push button		•
Electrical counter		•
Display		•
SWITCH ON predisposition	•	
Inverter MT / inverter LT 1st compressor	•	
Warning and operating lights	•	
DANFOSS regulator	•	
CAREL regulator	•	
WURM regulator		on request
MECHANICAL		
Housing		•
Noise insulation on housing.		•
Feet with absorbers feet.	•	
EXCHANGERS		
Remote heat recovery with hydraulic module		on request
Exchanger for heat recovery remote		•
Economizer (exchanger out GC / flash gas)		•
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		•

Dimensions

MT 4/5 +LT3 INDOOR UNIT

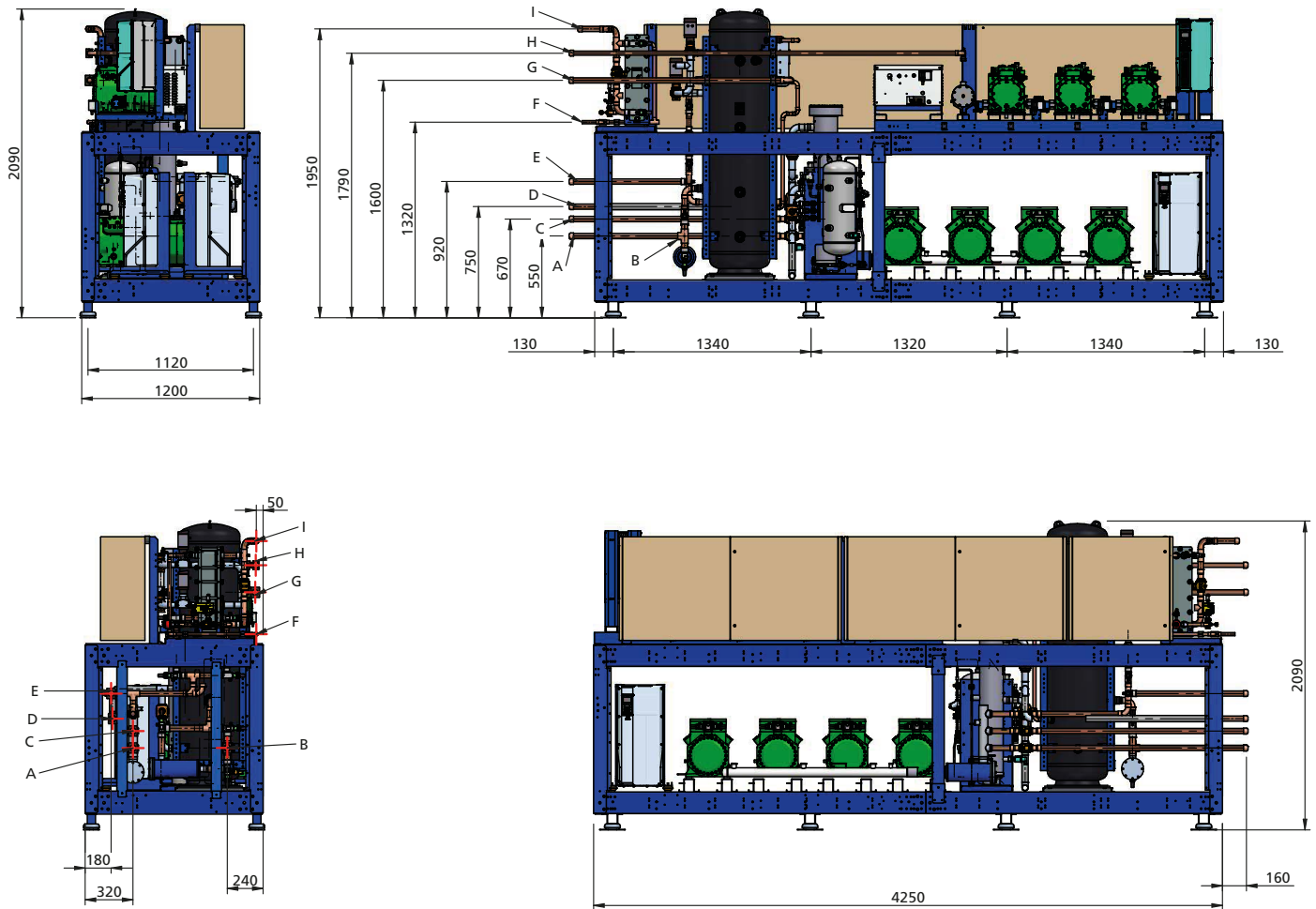


REFERENCE	INLET/OUTLET	PIPE	LINE
A	IN	1" 3/8 K65	SUCTION 1 MT
B	OUT	1" 3/8 - 1" 5/8 K65	LIQUID LINE
C	IN	1" 3/8 K65	SUCTION 2 MT
D	OUT	1" 5/8 K65	DISCHARGE TO G.C.
E	OUT	1" 3/8 K65	FTE BY PASS
F	-	-	-
G	-	1" 3/8 K65	MAIN SAFETY VALVE
H	IN	7/8"-1" 1/8 K65	SUCTION LT
I	IN	1" 3/8	INLET FROM G.C.

Piping quotes are intended to supply a relative position, not for designing an exact piping path in advantage.

Dimensions

MT3/4 ETE 1 + LT 3 INDOOR

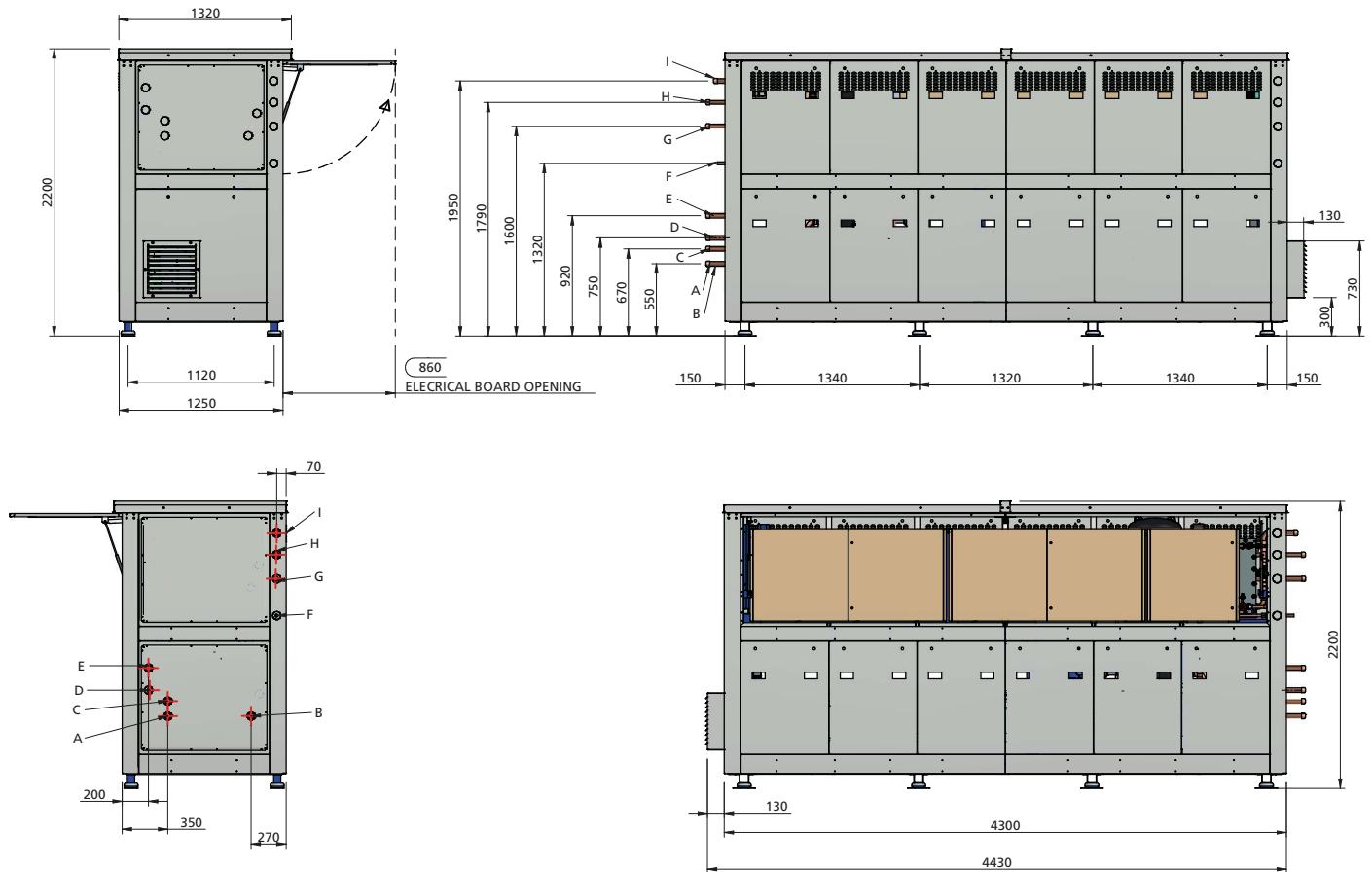


REFERENCE	INLET/OUTLET	PIPE	LINE
A	IN	1" 3/8 K65	SUCTION 1 MT
B	OUT	1" 3/8 K65	LIQUID LINE
C	IN	1" 3/8 K65	SUCTION 2 MT (OP)
D	OUT	1" 5/8 K65	DISCHARGE TO G.C.
E	OUT	1" 3/8 K65	FTE BY PASS
F	-	7/8"	SAFETY VALVE ETE
G	-	1" 3/8	MAIN SAFETY VALVE
H	IN	1" 1/8	SUCTION LT
I	IN	1" 3/8	INLET FROM G.C.

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Dimensions

OUTDOOR UNIT



REFERENCE	INLET/OUTLET	PIPE	LINE
A	IN	1" 3/8 K65	SUCTION 1 MT
B	OUT	1" 3/8 - 1" 5/8 K65	LIQUID LINE
C	IN	1" 3/8 K65	SUCTION 2 MT
D	OUT	1" 5/8 K65	DISCHARGE TO G.C.
E	OUT	1" 3/8 K65	FTE BY PASS
F	-	7/8"	SAFETY VALVE ETE
G	-	1" 3/8 K65	MAIN SAFETY VALVE
H	IN	7/8" - 1" 1/8 K65	SUCTION LT
I	IN	1" 3/8	INLET FROM G.C.

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