

TECHNICAL DATA SELECTION

PROJECT N.: **23.030180.A**
 DATE: **16-11-2023**
 PROJECT NAME: **LCC units**

**LCC CS**

Indoor air-water ducted packaged unit, cooling only, standard version [Pc= 201,8kW]

[#1] LCC204CS**Input data****Requested model****LCC204CS****Cooling**

User Water Temperature In	°C	12.0
User Water Temperature Out	°C	7.0
User Glycol	%	0
Source Air Temperature	°C	35.0
Source Relative humidity	%	40
Load Percentage	%	100

Glycol Type Selection

Glycol Type	Ethylenic
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Source Fan Inputs

Source AESP	Pa	200
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Sound Inputs

Distance in free field	m	10.0
Direction factor		2

Altitude Inputs

Altitude above sea level	m	0.0
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UNI EN 14511 Inputs

Enable calculations with UNI EN 14511	Yes
UNI EN 14511 Version	UNI EN 14511 - 2022
User Pumps	-

TECHNICAL DATA SELECTION

SW: #

DB: #

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Output data

Requested model

LCC204CS

Cooling

Data Inputs

USR W 12.0°C 7.0°C 0% SRC
A 35.0°C 40%

Cooling capacity	kW	203.6
Cooling capacity [UNI EN 14511]	kW	203.3
Water Flow user side	l/h	34972
Water Pressure drops user side	kPa	42
Compressor power input	kW	75.4
Compressor absorbed current	A	121.0
Total Power input	kW	84.2
Total Power input [UNI EN 14511]	kW	80.9
Total Absorbed Current	A	134.5
EER	W/W	2.42
EER [UNI EN 14511]	W/W	2.51
SEER	Wh/Wh	4.10
SEPR	Wh/Wh	5.15
LP Pumps (option) User side - Available pressure head	kPa	167
LP Pumps (option) User side - Maximum Absorbed Current (FLA)	A	6
HP Pumps (option) User side - Available pressure head	kPa	255
HP Pumps (option) User side - Maximum Absorbed Current (FLA)	A	7

Common Data

Maximum absorbed current (FLA) [without options]	A	172
Start up current (LRA) [without options]	A	347
Start up current with Soft Starter kit [without options]	A	221
Sound power level Lw (base unit) [without options]	dB(A)	89
Sound pressure level Lp (base unit) EN3744 [without options]	dB(A)	57
Source Air Volumetric Flow	m3/h	47440
Source Fans Number		4
Source Fans Power Input	kW	8.7
Source Fans Absorbed Current	A	13.5
Source AESP	Pa	200
Compressors/Circuits		4/2
Buffer tank volume (option)	l	340
Power Supply		400 / 3+N / 50
Refrigerant		R410A
GWP		2088
Refrigerant Charge	kg	32.0
Oil Type		160SZ

Oil Volume	l	24.4
Length	mm	4090
Depth	mm	1100
Height	mm	2104
Version		
Software version		SELMAC 0.1.28
Database version		20230727-0

Remarks:

The declared performances are the result of thermodynamic simulations and therefore affected by tolerances.

DIMENSIONAL DRAWING

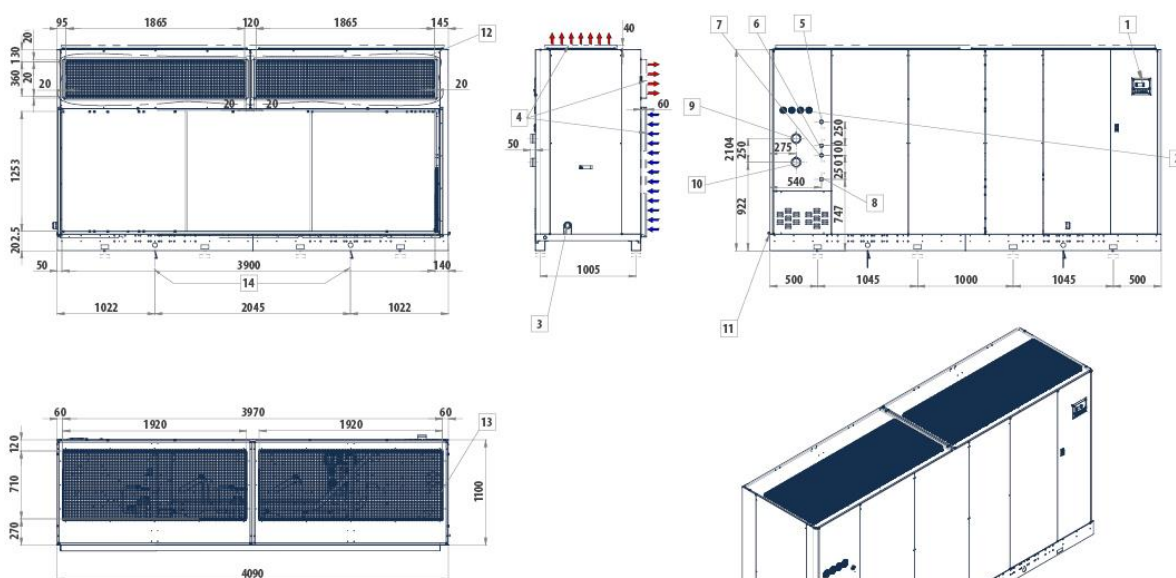
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LCC CS
Rif: [#1]

[181-204]

rev.0



LEGEND

- 1 User interface
- 2 Refrigerant pressure gauges
- 3 Power supply input
- 4 Flanges (optional)
- 5 Water outlet heat recovery thread \varnothing 1" (Left circuit)
- 6 Water inlet heat recovery thread \varnothing 1" (Left circuit)
- 7 Water outlet heat recovery thread \varnothing 1" (Right circuit)
- 8 Water inlet heat recovery thread \varnothing 1" (Right circuit)
- 9 Water inlet Victaulic \varnothing 3"
- 10 Water outlet Victaulic \varnothing 3"
- 11 Condensate discharge
- 12 Horizontal air expulsion
- 13 Vertical air expulsion
- 14 Lifting points