

## ENVIRONMENTAL SOLUTIONS FOR COMMERCIAL REFRIGERATION

### CDU-L - Product réf. R06A2B

Evaporating temperature	°(C)	-35	-30	-10	-5	+5
Cooling capacity	(kW)	3.55	4.11	8.73	9.10	9.73
Electric power input	(kW)	3.89	3.91	5.48	5.51	5.66

Operation temperature	Evaporating (Min/Max)	°(C)	-35 ~ +5
	Ambient (Min/Max)	°(C)	-25 ~ +43
Dimensions	Height x Width x Depth	(mm)	1.300 X 1.100 X 281*
Weight		(kg)	135
Noise pressure level <sup>(1)</sup>	1 meter away	(dB(A))	49
Compressor	Type		Inverter Hermetic Scroll
	Speed range	(Hz)	35 ~ 80
Heat Exchanger	Type		Aluminium microchannel
Refrigerant	Type / GWP		R744 (CO <sub>2</sub> ) / 1
Power Supply	Phases / Voltage/ Frequency	(-/V/Hz)	3 phases / 400 / 50 or 60
Communication	Standard		Modbus
PED	Category		1
Maximum working pressure (MWP)	High pressure side	MPa	14
	Low pressure side	MPa	9



(1) Conditions : T° Ambient + 32°C, Compressor Speed 80hz

\*without pipe cover

## MAIN BENEFITS

- First 100% CO<sub>2</sub> refrigerant solution for convenient stores and small cooling capacities
- Extremely compact
- Very silent operation

- Very low refrigerant charge, absolutely neutral impact on the environment
- Modular, flexible and easy installation



# SANDEN CO<sub>2</sub> Technology made in Europe

## Natural refrigerant

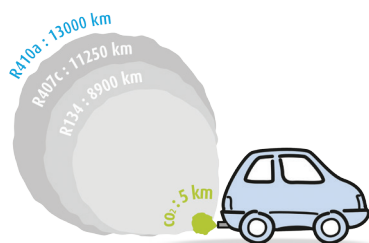
Non-flammable, non-toxic

CO<sub>2</sub> is one of the safest refrigerants. In case of accidental leak, there is no risk for the end-users or for the technician.

## Reduced global warming potential

(GWP = 1)

Contrary to F-gases that are commonly used in the field of commercial refrigeration, CO<sub>2</sub> refrigerant has a minimal environmental impact (less green housing effect). Its global warming potential of 1 is at least 1,430 times smaller than HFCs. For instance, 1 kg of R410a = 2,100 tons of CO<sub>2</sub>!



CO<sub>2</sub> refrigerant: At least to 1,430 times less greenhousing than commonly-used refrigerants!

## SANDEN-made components

**SANDEN designs and manufactures CO<sub>2</sub> compressors & exchangers used in its products.**

Efficient systems require efficient components. We design and manufacture the CO<sub>2</sub> compressors, gas coolers and evaporators that are assembled in all SANDEN product ranges. That is how we ensure the best quality standards.



## Design and manufacturing

**For optimized performance in real-life conditions**

With 54 locations in 23 countries, SANDEN is committed to providing the most optimized solutions to local markets. The launch of commercial refrigeration products range results from an intense collaboration between Japanese and European engineers.

## Expertise in CO<sub>2</sub> technology

**Strong experience in multiple applications**

The SANDEN group has developed unique knowledge in CO<sub>2</sub> technology encompassing a large panel of applications. SANDEN manufactures CO<sub>2</sub> heat pump water heaters, vending machines and retail refrigeration systems worldwide.



*SandenVendo G-Drink vending machine based on SANDEN CO<sub>2</sub> technology*

