

# Condensing Units Catalogue



Designed and  
manufactured  
in the EU

[areacooling.com](http://areacooling.com)



## Area Cooling Solutions extends its manufacturing potential in the EU

As our company continues to grow, so does the need for our manufacturing and testing capabilities.

In July 2022 we have added a new facility located in Wrocław, Poland, that extends our manufacturing floor space by 3000 m<sup>2</sup>. It is focused on the production of our standard units, with an additional production capacity of 7000 units/year.

A new testing facility will also be operative in Q3 2022. This will be key in helping our R&D engineers develop smart solutions for a green future.

One step at the time, we are moving forward with our Area 2025 project. We invite you to join us on this journey.

AREA 2025 is about you.



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# Area Cooling Solutions

Since 2010, Area Cooling Solutions has been developing a different and innovative range of condensing units, perfectly adapted to any commercial or industrial refrigeration application.

The entire range of AREA condensing units is designed and manufactured in Europe. Our condensing units meet the highest European standards, and they have been TÜV certified.

We offer the most complete range on the market in low temperature (LP) and medium/high temperature (MHP) applications.

The units can operate under any climate - even in the hottest tropical conditions, with conventional refrigerants, type R448A, R449A, R513A, R134a, A2L (R455A and R454C) and natural refrigerant CO<sub>2</sub> (R744).

Our condensing units combine both tradition and innovation. In order to guarantee the reliability and durability of your installation, AREA condensing units have kept the traditional principles of a

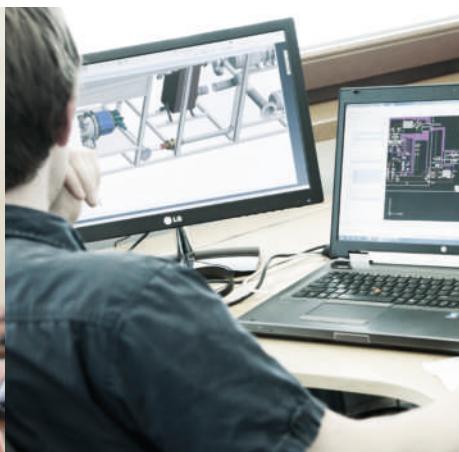


refrigeration circuit, offering oil separators, suction accumulator, metal housing, phase controllers, etc. on all our units (standard or optional equipment).

Energy savings, low noise levels and integration of the units in an urban environment are the essence of our innovations.

We were therefore among the first to offer plug&play inverter condensing units, using advanced technologies such as large diameter EC fans (low noise levels), hermetic Panasonic scroll inverter compressors and rotary inverter compressors with liquid injection.

Choosing an AREA condensing unit guarantees an efficient and successful installation of any commercial refrigeration applications, such as petrol stations, convenience stores, butcheries, bakeries, ice machines, cold rooms, milk tanks, restaurants, hotels, catering, industrial kitchens, etc.





## We are AREA, the HVAC and Refrigeration Company



Multilingual, native speaker team



Design and production in the EU



Technical support Field/Online



Application expertise



Spare parts management



**areacademy**  
Online/Offline training

## Since 1986 @ your side for HVAC and Refrigeration projects

We understand your business, and provide you with the best solutions for your new shop.

**iCOOL™ 10 YEARS**



Designed and manufactured in the EU



Scan the code  
to learn more  
about who we are



Smart Solutions  
for a Green Future®



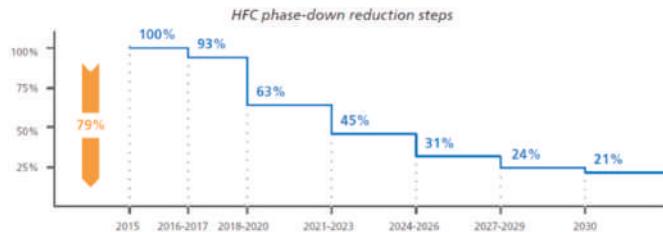


# F-Gas for commercial refrigeration

## 1. From 1 January 2020

Stationary refrigeration equipment can only use HFCs with GWP  $\leq$  2500 (except for temperatures below  $-50^{\circ}\text{C}$ )

'Stationary' means not normally in transit during operation, for example, a condensing unit for a cold room.



## 2. From 1 January 2022



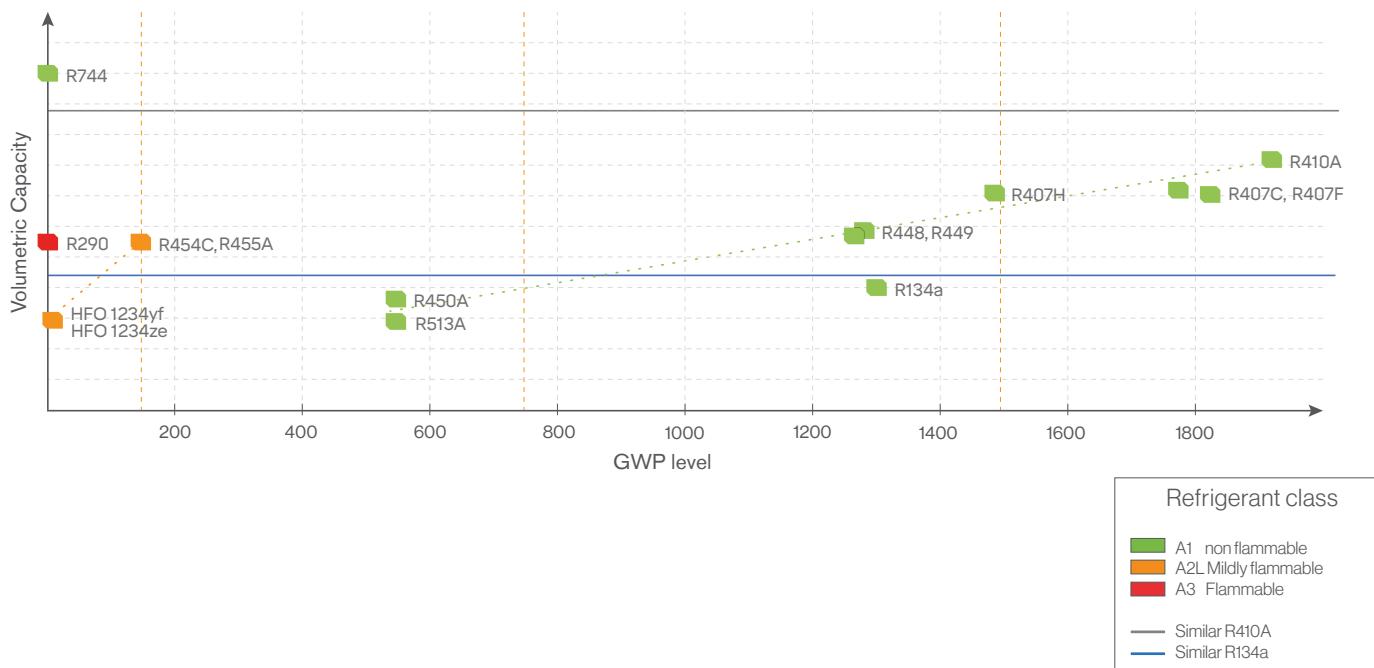
Multipack centralized refrigeration systems for commercial use must have a rated capacity  $\leq 40\text{ kW}$  (GWP  $\leq 2500$ )



For more than 40 kW, refrigerants with GWP  $\leq 150$  must be used, except in the primary refrigerant circuit of cascade systems, GWP  $\leq 1500$

'Multipack centralized refrigeration systems' means systems with two or more compressors operated in parallel, which are connected to one or more common condensers and to a number of cooling evaporators.

The HFCs are affected by phase-down, so their availability and use will reduce significantly in the coming years





## Area Solutions for F-Gas

Family	Range kW -10°C/32°C	Range kW -30°C/32°C	Refrigerant	Charge Limit (kg)	Stationary refrigeration	Centralized Refrigeration Systems ≤ 40kW	Centralized Refrigeration Systems ≥ 40kW
<b>BASICLine</b>	1.7 - 9.0	0.6 - 3.8	R448A, R449A, R134a, R513A, R410A	No limit			
<b>Silent HFC</b>	4.0 - 22.0	2.7 - 6.0	R448A, R449A, R134a, R513A, R410A, R407C	No limit			
<b>Silent A2L</b>	0.5 - 9.0		R454C, R455A	11.43 (10.84)			
<b>iCOOL HFC/HFO</b>	0.5 - 42	0.5 - 14.0	R448A, R449A, R134a, R513A, R407C	No limit			Multi-unit**
<b>iCOOL A2L</b>	0.5 - 9.0	tbc	R454C, R455A	11.43 (10.84)			Multi-unit***
<b>iCOOL CO<sub>2</sub></b>	1.7 - 30.0	1.7 - 10.0	R744	No limit			Multi-unit***
<b>iCOOL LOOP A1</b>	0.8 - 6.2	0.3 - 2.5	R448A, R449A	No limit*			Multi-unit**
<b>iCOOL LOOP A3</b>	5.0	tbc	R290	0.5			Multi-unit***

The charge limit is defined by EN-378, according to public access and CU in unoccupied space, except water loop systems (public access and CU in occupied space). Using specific safety measures, such as additional ventilation, the charge of A2L and A3 can be increased.

\* A calculation must be done, toxicity limit x room volume. But in practice, there is no limitation for the use of iCOOL LOOP A1, due to the capacity of the unit.

\*\* The match of the capacity (40 kW) and the GWP limit is defined for the individual circuit. Therefore, it is permissible to use a multi-unit solution if every circuit does not exceed the norm limit. For example, for 60 kW, it is possible to use two independent units of 30 kW each charged with A1 refrigerant.

\*\*\* For applications of more than 40 kW where GWP<150 is mandatory, AREA is offering a multi-unit application to reach the total capacity. Higher reliability and easier installation are the two main advantages of such a solution.



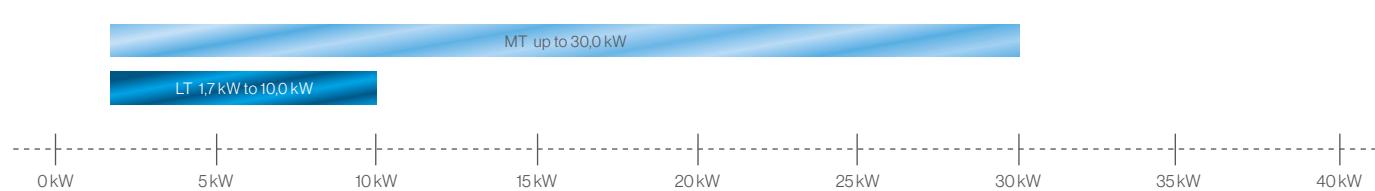
## Product range

### Inverter driven condensing units

Designed to operate up to 43°C ambient temperature

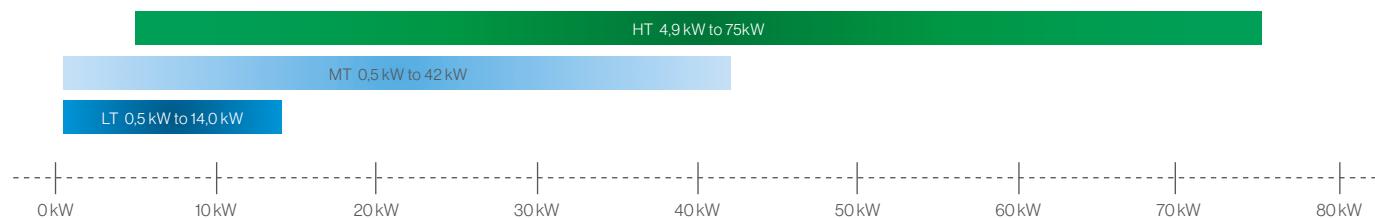
#### iCOOL CO<sub>2</sub>

R744



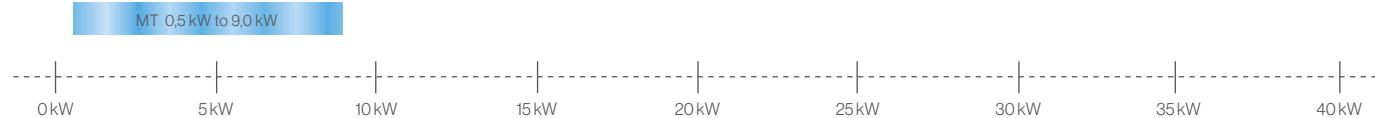
#### iCOOL HFC/HFO

R449A R448A R513A R134a



#### iCOOL A2L

R454C R455A



HT	High Temperature	R410A / R407C	(Te +5°C / Tamb 32°C)
MT	Medium Temperature	R449A	(Te -10°C / Tamb 32°C)
LT	Low Temperature	R744	(Te -30°C / Tamb 32°C)
MT	Medium Temperature	R454C / R455A	(Te -10°C / Tamb 32°C)
LT	Low Temperature	R449A	(Te -30°C / Tamb 32°C)
MT	Medium Temperature	R744	(Te -10°C / Tamb 32°C)

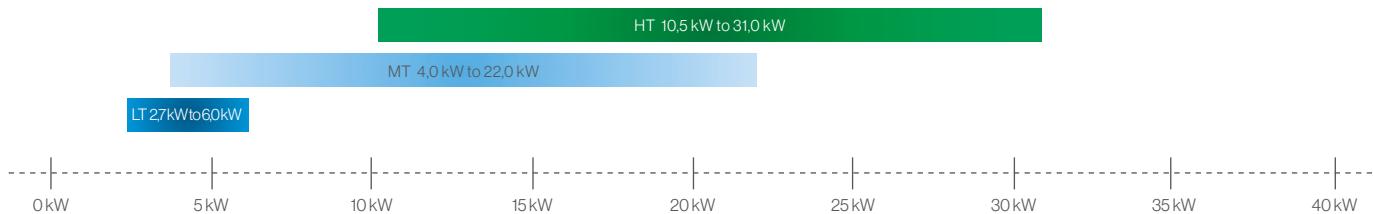


## Product range

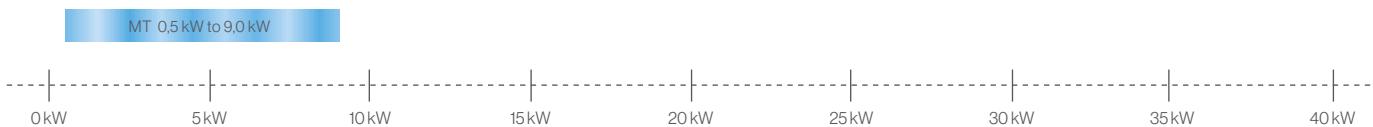
### On/Off condensing units

Designed to operate at up to 43°C ambient temperature

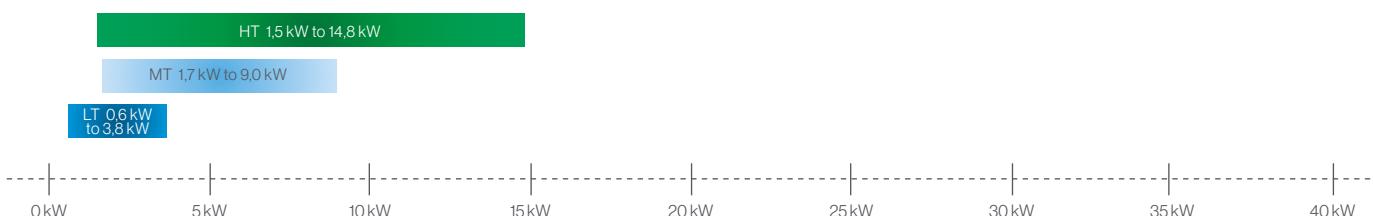
#### SILENT HFC



#### SILENT A2L



#### BASICLine



	HT	High Temperature	R410A / R407C	(Te +5°C / Tamb 32°C)
	MT	Medium Temperature	R449A	(Te -10°C / Tamb 32°C)
	LT	Low Temperature	R449A	(Te -30°C / Tamb 32°C)
	MT	Medium Temperature	R454C / R455A	(Te -10°C / Tamb 32°C)





## Smart Solutions for Supermarkets (800-1500 m<sup>2</sup>)

Improve the redundancy of your application with our decentralized cooling systems

### Faster & Easier

- Compact & lightweight unit, easy to transport on site
- Integrated gascooler/condenser from factory
- Plug&Play unit
- Smaller diameters and shorter length of piping
- Standard units available in stock

### Better Reliability

- No condenser/gas cooler to connect on site
- Less risk of leakage
- 100% tested in the factory
- Splitting of cooling capacity without the risk of total shut down like in centralized solution

### Customized to your needs

- Modular solution allowing step by step store remodelling
- Full range with indoor and outdoor solution
- Simple to “add on” cooling capacity

### Lower operating costs

- High efficiency, especially at partial loads (SEPR > 3)
- Higher efficiency thanks to optimised parametrization of the evaporators. Evaporating temperature setpoint adapted to the needs
- BLDC hermetic compressor without need for specific maintenance (only oil check)
- Smaller refrigerant charge per circuit



## Decentralized solution for a standard ~1200m<sup>2</sup> supermarket

iCOOL-15 CO2 MT/LT

or

iCOOL-10 MP HFC

- Condensing unit for the freezing chamber
- Capacity ~8KW

iCOOL-15 CO2 MT/LT

or

iCOOL-17D MHP HFC

- Condensing unit for the cooling chamber
- Capacity ~15KW

iCOOL-15 CO2 MT/LT + iCOOL-30 CO2 MT

or

iCOOL-17D MHP HFC + iCOOL 29D MHP HFC

- Condensing unit for the cooling cabinets
- Capacity ~45KW

iCOOL-15 CO2 MT/LT

or

iCOOL 10 MP HFC

- Condensing unit for the freezing cabinets
- Capacity ~8KW

### BUFFER TANK

- Heat recovery system compatible with iCOOL CO2 / HFC units

Remote control, parameterization and preventive maintenance system





# Calculation Software

Select your product in the easiest way with our online tool

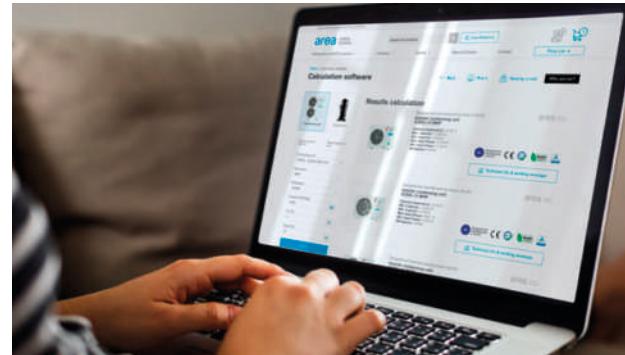
You can search either by capacity or by a specific product line. You can consult technical information and working envelopes, and you can also print or share the configuration you have made with whomever you wish.

In this way, you will simplify the selection process and will be able to find what fits your needs.



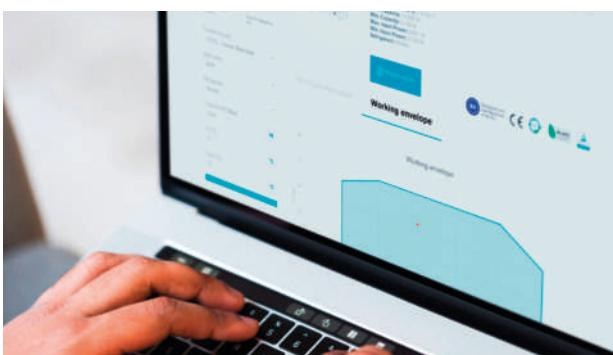
## Specify your needs on the form

Search forms based on product type, capacity or model/unit.



## Select your product from the results

You will get a list of results with products that meet your requirements.



## Consult technical information

You will be able to consult the technical information and working envelopes of these products.

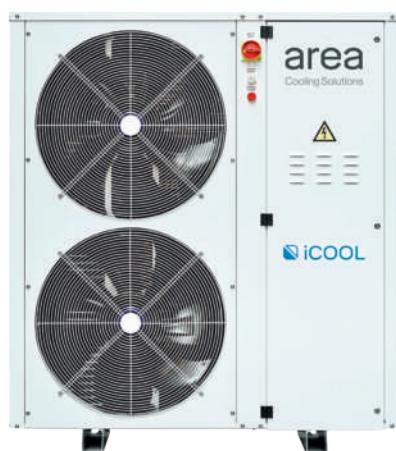
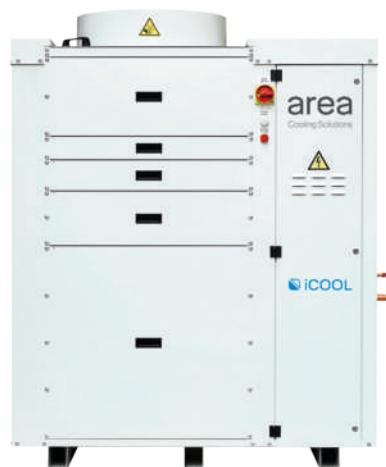


## Share it!

You can also print or share the results with others.

# iCOOL HFC / HFO

The benchmark  
for inverter  
condensing units



**Smart Solutions  
for a Green Future®**



Designed and  
manufactured  
in the EU



## iCOOL HFC / HFO



### The Ultimate Solution

iCOOL is the modular solution of inverter condensing unit that saves you time during installation and commissioning, as the unit is factory customized to your needs.

Thanks to its large modulation capacity and its multi-refrigerant compliance, it can be used for any commercial refrigeration application providing service down to a minimum of 500W for a single evaporator. The new remote control with our dedicated software ensures high uptime and reliability.

With a very simple user interface, low energy consumption, fast commissioning and easy maintenance, iCOOL by Area Cooling Solutions is the perfect solution for convenience stores, restaurant cold rooms, fuel stations, food stores, milk cooling and ice making equipment.





## iCOOL™, Different by Nature



iCOOL™ is a modular solution for inverter condensing units that saves you time during installation and commissioning, as the unit is factory customized to your needs. Thanks to its large modulation capacity and its multi-refrigerant compliance, it can be used for any commercial refrigeration application providing service down to a minimum of 500W for a single evaporator.

### Easy Selection

- Online selection software
- Hands-on and remote training
- Support to select the best HFC, A2L or CO<sub>2</sub> solution for any application

### Easy installation

- Lightweight units
- Integrated options from factory
- Refrigeration design
- Flexible and fast delivery

### Easy maintenance

- 180° access to all components
- Express delivery (24h) of spare parts and oil in the EU
- Remote control with ModBus TCP/IP

### Easy commissioning

- Less than 3 minutes
- Multilingual assistance
- 100% functionally tested
- Active control option



#### Advanced control:

- Simple user interface
- Smooth start and stop function
- Working envelope control
- Oil return function
- Condenser cleaner (optional)
- Remote control via AreaCloud



# Silent Inverter Condensing Units

**iCOOL™**  
Different by Nature



High-Medium temperature

R449A R448A R513A R134a

Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**				
	W.	L.	H.			Suction	Liquid						(-10°C)	(-5°C)	0°C	50°C	
<b>iCOOL-4,5 MHP</b>	536	1106	560	118	12	5/8"	3/8"	3,9	1x450	38	R448A / R449A	32	0,78	0,93	1,10	1,28	
												Qmin	38	0,77	0,91	1,07	1,25
												43	0,75	0,89	1,04	1,21	
												32	4,83	5,62	6,54	7,61	
												38	4,65	5,43	6,30	7,30	
												43	4,62	5,39	6,26	7,21	
												32	0,48	0,57	0,67	0,77	
												38	0,46	0,54	0,63	0,73	
												43	0,44	0,51	0,60	0,69	
												32	3,37	4,00	4,62	5,33	
<b>iCOOL-7 MHP</b>	510	1140	760	135	12	3/4"	1/2"	7,1	1x630	39	R134a / R513A	38	1,13	1,33	1,55	1,79	
												43	1,08	1,29	1,51	1,75	
												32	7,11	7,76	8,50	9,65	
												38	6,70	7,36	8,02	8,99	
												43	6,52	7,20	7,84	8,82	
												32	0,83	0,99	1,16	1,35	
												38	0,78	0,93	1,09	1,26	
												43	0,74	0,87	1,02	1,19	
												32	4,11	4,87	5,68	6,58	
												38	3,81	4,52	5,28	6,13	
<b>iCOOL-10 MHP</b>	510	1289	963	176	16	7/8"	1/2"	10	1x630	39,3	R448A / R449A	43	3,55	4,21	4,94	5,76	
												32	2,82	3,55	4,47	5,59	
												38	2,55	3,19	3,99	4,99	
												43	2,34	2,91	3,63	4,52	
												32	10,02	11,88	14,05	16,57	
												38	8,91	10,60	12,58	14,89	
												43	8,03	9,58	11,41	13,55	
												32	2,07	2,61	3,30	4,16	
												38	1,90	2,40	3,04	3,85	
												43	-	2,23	2,83	3,60	
<b>iCOOL-12 MHP</b>	510	1420	963	196	16	7/8"	1/2"	10	1x710	40	R134a / R513A	32	6,16	7,55	9,25	11,29	
												38	5,75	7,05	8,63	10,54	
												43	5,42	6,65	8,14	9,94	
												32	2,96	3,73	4,69	5,87	
												38	2,67	3,35	4,19	5,24	
												43	2,45	3,06	3,81	4,75	
												32	12,08	14,10	16,59	19,64	
												38	10,49	12,34	14,58	17,35	
												43	9,57	11,39	13,55	16,17	
												32	2,07	2,61	3,30	4,16	
<b>iCOOL-15 MHP</b>	510	1560	963	224	16	1 1/2"	1 1/2"	10	1x710	40	R134a / R513A	38	1,90	2,40	3,04	3,85	
												43	-	2,23	2,83	3,60	
												32	6,77	8,31	10,17	12,42	
												38	6,32	7,75	9,49	11,59	
												43	5,96	7,31	8,95	10,93	
												32	2,07	2,61	3,30	4,16	
												38	1,90	2,40	3,04	3,85	
												43	-	2,23	2,83	3,60	
												32	6,77	8,31	10,17	12,42	
												38	6,32	7,75	9,49	11,59	

\*All units also work with R404A  
\*\*Subcooling: 3 K, Superheat: 10 K



R449A R448A R513A R134a

Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**				
	W.	L.	H.			Suction	Liquid						(-10°C)	(-5°C)	0°C	5°C	
<b>iCOOL-15 MHP</b>	541	1322	1493	256	17,5	11/8"	5/8"	15	2x630	44	R448A / R449A	32	4,06	5,04	6,24	7,66	
												Qmin	38	3,67	4,55	5,63	6,94
												43	3,37	4,17	5,16	6,38	
												Qmax	38	12,61	15,23	18,14	21,31
												43	12,58	15,12	17,95	21,04	
												32	2,51	3,01	3,60	4,30	
												Qmin	38	2,29	2,76	3,32	3,99
												R134a / R513A	43	2,13	2,56	3,10	3,74
												Qmax	38	10,04	12,03	14,39	17,21
												43	8,45	10,24	12,39	14,97	
<b>iCOOL-17D MHP</b>	541	1521	1493	310	16/ 11,1	11/8"	5/8"	15	2x630	44	R448A / R449A	32	2,89	3,67	4,64	5,84	
												Qmin	38	2,62	3,29	4,15	5,21
												43	2,40	3,01	3,77	4,73	
												Qmax	38	15,54	19,05	22,87	26,93
												43	14,17	17,52	21,23	25,21	
												32	2,21	2,79	3,54	4,48	
												Qmin	38	2,03	2,57	3,26	4,14
												R134a / R513A	43	-	2,39	3,04	3,87
												Qmax	38	10,93	13,24	16,02	19,34
												43	9,46	11,50	13,96	16,92	
<b>iCOOL-21D MHP</b>	541	1521	1493	311	27	11/8"	5/8"	15	2x630	44	R448A / R449A	32	2,89	3,67	4,64	5,84	
												Qmin	38	2,62	3,29	4,15	5,21
												43	2,40	3,01	3,77	4,73	
												Qmax	38	19,88	24,07	28,50	33,07
												43	17,85	21,87	26,18	30,70	
												43	16,23	20,10	24,31	28,75	
												32	2,21	2,79	3,54	4,48	
												Qmin	38	2,03	2,57	3,26	4,14
												R134a / R513A	43	-	2,39	3,04	3,87
												Qmax	38	13,09	15,62	18,84	22,45
<b>iCOOL-26D MHP</b>	950	1528	1488	400	16/ 13,8	7/8"	1/2"	15	2x630	44	R448A / R449A	32	4,13	5,15	6,39	7,91	
												Qmin	38	3,74	4,64	5,77	7,14
												43	3,44	4,26	5,29	6,56	
												Qmax	38	20,87	25,43	30,54	36,20
												43	18,87	23,12	26,00	33,46	
												32	3,24	3,89	4,67	5,60	
												Qmin	38	2,95	3,57	4,31	5,19
												R134a / R513A	43	2,73	3,31	4,02	4,87
												Qmax	38	15,87	18,83	22,80	27,08
												43	14,52	17,51	21,10	25,39	
<b>iCOOL-29D MHP</b>	950	1528	1488	430	17,5/ 13,8	13/8"	7/8"	15	2x630	44	R448A / R449A	32	4,13	5,15	6,39	7,91	
												Qmin	38	3,74	4,64	5,77	7,14
												43	3,44	4,26	5,29	6,56	
												Qmax	38	23,97	28,64	34,03	40,16
												43	21,91	26,23	31,31	37,16	
												32	3,24	3,89	4,67	5,60	
												Qmin	38	2,95	3,57	4,31	5,19
												R134a / R513A	43	2,73	3,31	4,02	4,87
												32	19,54	23,30	27,76	33,03	
												Qmax	38	17,83	21,38	25,61	30,63
												43	16,52	19,89	23,92	28,72	

\*All units also work with R404A

\*\*Subcooling: 3 K, Superheat: 10 K



R449A R448A R513A R134a

Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**				
	W.	L.	H.			Suction	Liquid						(-10°C)	(-5°C)	0°C	5°C	
<b>iCOOL-39D MHP</b>	1090	1522	1695	520	31/26	1 5/8	7/8	30	1x800	43	R449A	32	6,49	8,44	10,77	13,37	
												Qo min	38	5,94	7,45	9,22	11,15
												43	5,45	6,72	8,13	9,61	
												Qo max	38	36,32	43,65	52,29	62,33
												43	33,69	40,46	48,45	57,78	
	1090	1522	1695	520	31/26	1 5/8	7/8	30	1x800	43	R134A/R513A	32	4,37	5,49	6,90	8,67	
												Qo min	38	3,91	4,92	6,19	7,79
												43	3,56	4,48	5,64	7,12	
												Qo max	38	28,70	34,82	41,96	50,20
												43	26,35	31,95	38,56	46,26	
<b>iCOOL-43D MHP</b>	1090	1522	1695	520	31/26	1 5/8	7/8	30	1x800	43	R449A	32	6,49	8,44	10,77	13,37	
												Qo min	38	5,94	7,45	9,22	11,15
												43	5,45	6,72	8,13	9,61	
												Qo max	38	42,15	50,65	60,58	72,01
												43	38,56	46,26	55,32	65,81	
	1090	1522	1695	520	31/26	1 5/8	7/8	30	1x800	43	R134A/R513A	32	35,74	42,87	51,24	61,00	
												Qo min	38	4,37	5,49	6,90	8,67
												43	3,91	4,92	6,19	7,79	
												Qo max	38	3,56	4,48	5,64	7,12
												43	30,39	36,89	44,45	53,16	

NOTE: iCOOL-43D MHP is not allowed to be used in commercial applications with R448A/R449A refrigerants.



**iCOOL-39D MHP** and **iCOOL-43D MHP** are the newest models in the iCOOL™ inverter condensing unit series. Compliant with 2022 F-gas regulations for commercial applications



Operation with refrigerants R448A/R449A/R513A

### Key features

- Condenser cleaning function - fan with reversible airflow
- Reduced refrigerant charge thanks to the microchannel condenser in special e-coating version
- High efficiency oil separator, oil level regulators
- Plug & Play - integrated liquid line and suction line with mechanical filter and suction separator
- Low noise: 43 dB @ 10m. Acoustic insulation of the compressor compartment

### Innovation corner

#### Condenser cleaning function

- Reverse rotation mode providing optimal 2-way airflow through the condenser
- Keep your condenser clean and ensure the performance of the unit between the planned maintenance inspections!





## Time to go inverter

Save your time and cost with iCOOL™, inverter condensing units with large capacity modulation range and multi-refrigerant compliance.

- Easy online selection
- Easy maintenance

- Easy installation
- Low noise

- Easy commissioning
- T<sub>amb.</sub> up to 43°C

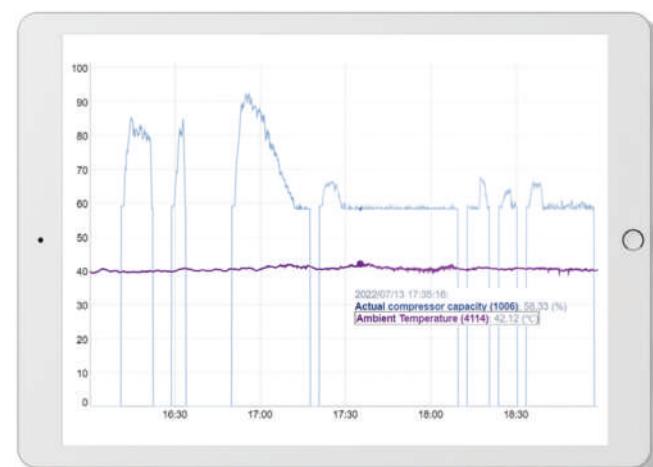
### Energy Savings

Comparison of energy consumption between a standard on-off unit and the iCOOL™ condensing unit.

Technology	On-Off	iCOOL™ Inverter
SEPR	2,52	<b>3,54</b>
Annual consumption	25 700 kWh	<b>17 000 kWh</b>
Annual energy cost	10 300 EUR	<b>6 800 EUR</b>

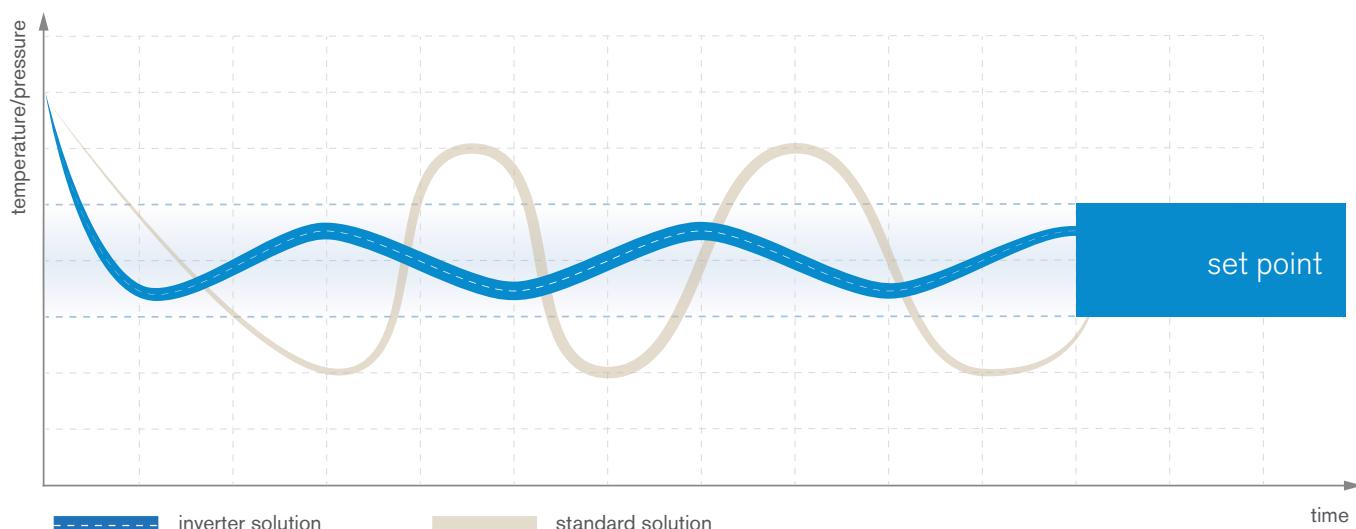
Cooling capacity ~10kW for tev. = - 10 °C and R449A;  
Prices: Q3 '22 (1kWh = 0,4 EUR)

Save more than 35 % vs. on-off technology with a payback time of **less than 1 year!**



The correctly sized integrated condenser/gas cooler ensures no need for an adiabatic ramp and water waste during the heat waves.

### Inverter technology - precise regulation





## Silent Inverter Condensing Units



Low temperature

R449A R448A

Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**				
	W.	L.	H.			Suction	Liquid						(-30°C)	(-25°C)	(-20°C)	(-15°C)	
<b>iCOOL-3 MP</b>	536	1106	560	125	12	3/4"	1/2"	3,9	1x450	38	R448A	32	0,53	0,66	0,80	0,96	
												Qmin	38	0,49	0,61	0,76	0,92
												43	0,47	0,60	0,74	0,91	
												32	3,40	4,11	4,89	5,71	
												Qmax	38	3,35	4,03	4,76	5,53
	541	1322	1493	286	24,6	11/8"	5/8"	15	2x630	44	R449A	43	3,26	3,91	4,59	-	
												32	0,54	0,67	0,81	0,98	
												Qmin	38	0,50	0,62	0,77	0,94
												43	0,48	0,61	0,76	0,92	
												32	3,47	4,19	4,98	5,83	
<b>iCOOL-10 MP</b>	950	1528	1488	460	24,6/ 17,3	13/8"	7/8"	15	2x630	44	R448A	38	3,41	4,11	4,86	5,64	
												43	3,32	3,99	4,68	-	
												32	2,14	2,78	3,64	4,77	
												Qmin	38	1,83	2,42	3,21	4,26
												43	1,60	2,14	2,87	3,86	
	541	1322	1493	286	24,6	11/8"	5/8"	15	2x630	44	R449A	32	8,33	10,37	12,79	15,55	
												Qmax	38	7,75	9,69	11,94	14,48
												43	7,27	9,13	11,26	13,63	
												32	2,18	2,84	3,72	4,88	
												Qmin	38	1,87	2,47	3,27	4,36
<b>iCOOL-17D MP</b>	950	1528	1488	460	24,6/ 17,3	13/8"	7/8"	15	2x630	44	R448A	43	1,63	2,18	2,93	3,95	
												32	8,51	10,59	13,06	15,87	
												Qmax	38	7,91	9,89	12,19	14,79
												43	7,43	9,32	11,50	13,91	
												32	2,14	2,79	3,65	4,78	
	541	1322	1493	286	24,6	11/8"	5/8"	15	2x630	44	R449A	38	1,84	2,42	3,21	4,27	
												43	1,60	2,14	2,88	3,87	
												32	13,93	17,14	20,97	25,41	
												Qmax	38	12,76	15,78	19,35	23,48
												43	11,82	14,69	18,06	-	

\*All units also work with R404A

\*\*Subcooling: 3 K, Superheat: 10 K



# Standard options for iCOOL HFC

Do it yourself!

## Main symbols

Symbol	Full name
D	Compressor tandem with safety mode
MHP	Medium-High evaporation temperature application
MP	Medium evaporation temperature application
G3	Generation number

Example:

iCOOL-17D MHP (G3) – iCOOL-17 [Compressor tandem] [Medium-High evaporation temperature] [Generation]

## Option symbols

D	Superheat heat recovery (Solenoid valves)
D1	Superheat heat recovery (Ball Valves)
C	Condenser anticorrosion coating
N	Nordic option (KVR + NRD + inverter heater w/thermostat + receiver heater w/thermostat)
FR	Fan reverse mode
T	Thermostat for compressor heater
HPF	High pressure fan + housing set
CSV	Cutout safety 3-way valve + safety valve
CSV1	Cutout valve for safety valve
RM	Remote monitoring (RM-FULL)
BRM	Basic Remote Monitoring (RM-BASE)
CRM	Compact remote monitoring (RM-GSM)
RMS	Remote monitoring SLAVE

Example:

iCOOL-17D MHP (G3) (D1|T|CSV1)



## Options for iCOOL HFC - individual projects

Individual projects accepted by project manager for the client should be distinguished from the standard versions and specially marked to avoid mistakes. Symbol of project will be assigned by the design engineer with certain systems such as putting the client acronym and reference number in square brackets after full name of the unit. For example iCOOL-17D MHP (G3) (D1|T|CSV1) [XX-01].

		Options*											Monitoring			
		D	D1	C	N	FR	T	RN	HPF	CSV	CSV1	RM	BRM	CRM	RMS	
iCOOL 4,5	MHP	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	
iCOOL 7	MHP	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	
iCOOL 10	MHP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
iCOOL 12	MHP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
iCOOL slim 12	MHP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	
iCOOL 15	MHP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
iCOOL 17D	MHP	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	
iCOOL 21D	MHP	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	
iCOOL 26D	MHP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
iCOOL 29D	MHP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
iCOOL 39/43D	MHP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
iCOOL 3	MP	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✓	
iCOOL 10	MP	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	
iCOOL 17D	MP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

\*please contact us before you will combine some options due to the possibility of excluding between themselves



**iCOOL™**  
Different  
by Nature

## eSLIM Silent Inverter Condensing Unit



Medium-High temperature

R454C R455A

Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE*				
	W.	L.	H.			Suction	Liquid						(-10°C)	(-5°C)	(0°C)	(5°C)	
iCOOL eSLIM-9 MHP	471	1286	858	170	15.6	7/8"	1/2"	10,0	1x710	39	R455A	Qmin	32	2,04	2,45	2,92	3,43
													38	1,97	2,37	2,83	3,33
												Qmax	43	1,89	2,29	2,73	3,22
													32	9,25	11,14	13,25	15,59
													38	8,94	10,79	12,86	15,16
													43	8,61	10,41	12,42	14,65

\*Subcooling: 3 K, Superheat: 10 K



**iCOOL™**  
Different by Nature



Pressure available 120 Pa  
Medium-High temperature



Model*	Dimensions (mm)				Connections			Receiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**				
	W.	L.	H.	Weight (kg)	MCC (A)	Suction	Liquid						(-10°C)	(-5°C)	0°C	5°C	
iCOOL MAX-17D MHP	790	1327	1677	320	16/ 11,1	11/8"	5/8"	15	1x560	44	R448A	32	4.55	5.64	6.94	8.46	
												Qmin	38	4.28	5.38	6.69	8.19
												43	4.03	5.11	6.40	7.89	
												Qmax	38	16.76	20.39	24.33	28.55
												43	15.89	19.43	23.34	27.55	
												Qmin	32	15.03	18.43	22.28	26.46
												43	16.4	2.08	2.63	3.33	
												Qmax	38	1.57	1.99	2.52	3.20
												43	1.51	1.91	2.42	3.07	
												R134A	32	10.70	13.35	16.46	20.00
iCOOL MAX-21D MHP	790	1327	1677	311	16/ 13,8	11/8"	5/8"	15	1x560	44	R448A	38	10.25	12.77	15.76	19.19	
												Qmax	43	9.81	12.21	15.08	18.40
												Qmin	32	4.55	5.64	6.94	8.46
												43	4.28	5.38	6.69	8.19	
												43	4.03	5.11	6.40	7.89	
												Qmax	38	20.56	24.12	27.96	32.06
												43	19.27	22.73	26.51	30.57	
												Qmin	32	18.01	21.27	24.95	28.94
												43	16.4	2.08	2.63	3.33	
												Qmax	38	1.57	1.99	2.52	3.20
iCOOL MAX-26D MHP	790	1327	1677	400	17,5/ 13,8	13/8"	7/8"	15	1x560	44	R134A	43	1.51	1.91	2.42	3.07	
												Qmax	32	12.91	15.53	18.66	22.37
												43	12.39	14.93	17.97	21.57	
												43	11.90	14.35	17.29	20.78	
												Qmin	32	2.15	2.67	3.33	4.19
												43	2.03	2.49	3.08	3.87	
												Qmax	38	1.91	2.32	2.87	3.60
												43	14.04	16.63	19.85	23.82	
												Qmin	38	13.42	15.88	18.91	22.67
												43	12.84	15.24	18.12	21.70	

\*All units except iCOOL MAX-26 D MHP also work with R404A

\*\*Subcooling: 3 K, Superheat: 10 K



**iCOOL™**  
Different by Nature

## Air Ducted Inverter Condensing Units



Pressure available 120 Pa  
Low temperature

R449A R448A

Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**			
	W.	L.	H.			Suction	Liquid						(-30°C)	(-25°C)	(-20°C)	(-15°C)
iCOOL MAX-10 MP	R448A	790	1327	1677	250	15,1	11/8"	5/8"	15	1x560	44	32	2,36	2,90	3,52	4,22
		Qmin	38									38	2,25	2,77	3,36	4,00
			43									43	218	2,68	3,24	3,84
		Qmax	38									32	8,85	10,87	13,22	15,82
	R449A	38										43	8,45	10,40	12,60	15,01
		Qmin	38									43	8,17	10,06	12,16	14,40
			43									32	2,52	3,09	3,76	4,50
		Qmax	38									38	2,40	2,96	3,58	4,27
			43									43	2,32	2,86	3,46	4,09
		Qmin	38									32	9,43	11,59	14,09	16,86
			43									38	9,01	11,08	13,44	16,00
		Qmax	38									43	8,71	10,72	12,96	15,35

\*All units also work with R404A

\*\*Subcooling: 3 K, Superheat: 10 K



# Water Condenser Inverter Condensing Units



Medium-High temperature

R449A R448A R513A R134a

Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections (mm)			Receiver (dm³)	Refrigerant	Water conditions (°C)	Cooling capacity (kW) at TE				
	W.	L.	H.			Suction	Liquid	Tcond (°C)				(-10°C)	(-5°C)	0°C	50°C	
<b>WPTXiAr-4.5 MHP</b>	665	700	605	135	12	16	10	3,9	R449A	15/20	Qmin	40	0,87	1,13	-	-
										40/45	Qmax	50	4,84	5,79	-	-
									R134a	15/20	Qmin	40	0,94	1,11	-	-
										40/45	Qmax	50	4,80	5,74	-	-
	665	700	605	140	12	18	10	7,1	R449A	15/20	Qmin	40	0,47	0,56	0,66	0,77
										40/45	Qmax	50	3,98	4,75	5,58	6,51
									R134a	15/20	Qmin	40	0,44	0,51	0,60	0,70
										40/45	Qmax	50	3,61	4,29	5,05	5,91
<b>WPTXiAr-7 MHP</b>	665	700	605	140	12	18	10	7,1	R449A	15/20	Qmin	40	1,120	1,42	-	-
										40/45	Qmax	50	6,25	7,25	-	-
									R134a	15/20	Qmin	40	1,18	1,41	-	-
										40/45	Qmax	50	6,05	6,95	-	-
	625	1300	758	160	16	22	12	10	R449A	15/20	Qmin	40	2,97	3,97	5,08	6,32
										40/45	Qmax	50	11,79	14,67	17,99	21,76
									R134a	15/20	Qmin	40	2,02	3,12	4,24	5,39
										40/45	Qmax	50	9,68	12,41	15,51	18,99
<b>WPTXiSs-10 MHP</b>	625	1300	758	160	16	22	12	10	R449A	15/20	Qmin	40	2,60	3,25	4,07	5,10
										40/45	Qmax	50	6,44	7,99	9,94	12,38
									R134a	15/20	Qmin	40	2,31	2,89	3,62	4,54
										40/45	Qmax	50	5,77	7,17	8,90	11,06
	625	1300	758	190	17,5	28	16	14	R449A	15/20	Qmin	40	4,09	5,08	6,33	7,89
										40/45	Qmax	50	16,47	20,30	24,72	29,69
									R134a	15/20	Qmin	40	3,52	4,34	5,38	6,68
										40/45	Qmax	50	13,48	16,59	20,28	24,56
<b>WPTXiSs-15 MHP</b>	625	1300	758	190	17,5	28	16	14	R449A	15/20	Qmin	40	3,43	4,15	5,02	6,08
										40/45	Qmax	50	10,39	12,57	15,21	18,42
									R134a	15/20	Qmin	40	2,96	3,60	4,39	5,35
										40/45	Qmax	50	8,97	10,91	13,29	16,20
	625	1300	950	210	16/11,1	28	16	14	R449A	15/20	Qmin	40	2,97	3,97	5,08	6,32
										40/45	Qmax	50	19,23	24,08	29,69	36,06
									R134a	15/20	Qmin	40	2,02	3,12	4,24	5,39
										40/45	Qmax	50	15,85	20,33	25,46	31,25

>>>



# Water Condenser Inverter Condensing Units



Medium-High temperature



Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections (mm)		Receiver (dm³)	Refrigerant	Water conditions (°C)	Cooling capacity (kW) at TE					
	W.	L.	H.			Suction	Liquid				(-10°C)	(-5°C)	0°C	50°C		
WPTXiSs-21D MHP	625	1300	950	215	16/13,8	28	16	14	R449A	15/20	Qmin	40	2,97	3,97	5,08	6,32
										Qmax	23,08	28,95	35,74	43,46		
									R134a	40/45	Qmin	50	2,02	3,12	4,24	5,39
										Qmax	19,04	24,43	30,61	37,59		
	575	1650	905	240	17,5/14,5	28	22	14	R449A	15/20	Qmin	40	2,60	3,25	4,07	5,10
										Qmax	14,03	17,17	21,05	25,84		
									R134a	40/45	Qmin	50	2,31	2,89	3,62	4,54
										Qmax	12,32	15,14	18,61	22,89		
WPTXiSs-26D MHP	575	1650	905	240	17,5/14,5	28	22	14	R449A	15/20	Qmin	40	4,09	5,08	6,33	7,89
										Qmax	27,76	34,58	42,47	51,39		
									R134a	40/45	Qmin	50	3,52	4,34	5,38	6,68
										Qmax	22,84	28,61	35,38	43,16		
	575	1650	905	270	17,5/22,2	35	22	14	R449A	15/20	Qmin	40	3,43	4,15	5,02	6,08
										Qmax	17,98	23,20	28,34	34,67		
									R134a	40/45	Qmin	50	2,96	3,60	4,39	5,35
										Qmax	15,52	18,88	23,00	28,03		
WPTXiSs-29D MHP	575	1650	905	270	17,5/22,2	35	22	14	R449A	15/20	Qmin	40	4,09	5,08	6,33	7,89
										Qmax	32,36	40,01	49,23	60,18		
									R134a	40/45	Qmin	50	3,52	4,34	5,38	6,68
										Qmax	27,17	33,38	40,95	50,08		
	575	1650	905	270	17,5/22,2	35	22	14	R449A	15/20	Qmin	40	3,43	4,15	5,02	6,08
										Qmax	20,78	25,14	30,42	36,84		
									R134a	40/45	Qmin	50	2,96	3,60	4,39	5,35
										Qmax	17,94	21,82	26,58	32,40		



Low temperature



Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections (mm)		Receiver (dm³)	Refrigerant	Water conditions (°C)	Cooling capacity (kW) at TE					
	W.	L.	H.			Suction	Liquid				(-30°C)	(-25°C)	(-20°C)	(-15°C)		
WPTXiAr-2 MP	530	1000	775	140	12	16	10	3,9	R449A	15/90	Qmin	40	0,40	0,51	0,65	0,81
										Qmax	2,32	2,90	3,59	4,40		
									R449A	40/90	Qmin	50	0,39	0,50	0,65	0,81
										Qmax	2,29	2,86	3,55	4,36		
	530	1000	775	140	12	18	10	7,1	R449A	15/20	Qmin	40	0,53	0,66	0,82	0,99
										Qmax	3,11	3,77	4,51	5,34		
									R449A	40/45	Qmin	50	0,51	0,65	0,8	0,98
										Qmax	3,09	3,74	4,44	5,21		
WPTXiAr-3 MP	625	1300	758	200	24,6	28	16	14	R449A	15/20	Qmin	40	3,10	3,18	3,21	3,49
										Qmax	9,25	11,47	14,13	17,22		
									R449A	40/45	Qmin	50	2,39	2,48	2,5	2,74
										Qmax	8,54	10,58	12,93	15,57		
	575	1650	905	270	24,6/17,3	35	22	14	R449A	15/20	Qmin	40	3,10	3,18	3,21	3,49
										Qmax	15,01	18,77	23,3	28,56		
									R449A	40/45	Qmin	50	2,39	2,48	2,5	2,74
										Qmax	13,6	17,01	21,02	25,61		



# Compressor Base Inverter Units



Medium-High temperature



Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections (mm)		Receiver (dm³)	Refrigerant	Tcond (°C)	Cooling capacity (kW) at TE			
	W.	L.	H.			Suction	Liquid				(-10°C)	(-5°C)	0°C	5°C
<b>PTXiAr-4,5 MHP</b>	665	700	605	100	12	16	10	3,9	R449A	Qmin	0,91	1,12	-	-
									R134a	Qmax	4,81	5,76	-	-
<b>PTXiAr-7 MHP</b>	665	700	605	105	12	18	10	7,1	R449A	Qmin	1,19	1,41	-	-
									R134a	Qmax	6,14	7,08	-	-
<b>PTXiSs-10 MHP</b>	554	1200	758	118	16	22	12	10	R449A	Qmin	2,47	3,52	4,64	5,83
									R134a	Qmax	10,69	13,49	16,7	20,33
<b>PTXiSs-15 MHP</b>	625	1300	758	150	17,5	28	16	14	R449A	Qmin	3,79	4,69	5,83	7,25
									R134a	Qmax	14,89	18,34	22,37	26,98
<b>PTXiSs-17D MHP</b>	625	1300	758	173	16/11,1	28	16	14	R449A	Qmin	2,47	3,52	4,64	5,83
									R134a	Qmax	17,47	22,13	27,49	33,57
<b>PTXiSs-21D MHP</b>	625	1300	758	175	16/13,8	28	16	14	R449A	Qmin	2,47	3,52	4,64	5,83
									R134a	Qmax	20,97	26,59	33,07	40,43
<b>PTXiSs-26D MHP</b>	575	1650	905	194	17,5/ 14,5	35	22	14	R449A	Qmin	3,79	4,69	5,83	7,25
									R134a	Qmax	25,17	31,44	38,74	47,08
<b>PTXiSs-29D MHP</b>	575	1650	905	224	17,5/ 22,2	35	22	14	R449A	Qmin	3,79	4,69	5,83	7,25
									R134a	Qmax	29,63	36,51	44,86	54,85



Low temperature



Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections (mm)		Receiver (dm³)	Refrigerant	Tcond (°C)	Cooling capacity (kW) at TE			
	W.	L.	H.			Suction	Liquid				(-30°C)	(-25°C)	(-20°C)	(-15°C)
<b>PTXiAr-2 MP</b>	530	1000	775	105	12	16	10	3,9	R449A	Qmin	0,40	0,51	0,65	0,81
										Qmax	2,32	2,90	3,59	4,40
<b>PTXiAr-3 MP</b>	530	1000	775	105	12	18	10	7,1	R449A	Qmin	0,51	0,65	0,81	0,98
										Qmax	3,09	3,75	4,47	5,27
<b>PTXiSs-10 MP</b>	554	1200	905	153	24,6	28	16	14	R449A	Qmin	2,74	2,84	2,86	3,12
										Qmax	8,87	11,00	13,5	16,37
<b>PTXiSs-17D MP</b>	575	1658	903	261	24,6/ 17,3	35	22	14	R449A	Qmin	2,74	2,84	2,86	3,12
										Qmax	14,26	17,85	22,11	27,07



## Smart cooling solution for food truck application

Save over 30% on your electrical battery size, thanks to our inverter smart flat condensing unit.

The new extra flat condensing unit from AREA Cooling Solutions is answering to the need of extra compact / lightweight unit with low GWP A1 approval (R513A). Designed for transport application, especially retail & food truck, this new range is available in on/off and inverter configuration.

Each unit is **approved to operate under the hottest climate, up to 55°C ambient temperature.**

Control the refrigeration system of your truck with your mobile



Smart flat condensing unit



### Product features

- Flat compact unit (height from 340 mm to 440 mm)
- Vibration resistant design; field tested
- Low noise
- Designed for mobile application

- Remote control and preventive maintenance features
- Inverter solution available, able to work with multi-evaporators down to 500 W
- Plug&Play unit
- Unloaded start up

### Inverter Range

R513A

Model	Power voltage	Q <sub>o</sub> min, kW	Q <sub>o</sub> max, kW	Dimensions (L x W x H), mm	Weight, kg
AMXiAr-1.7 (BL) MHT	230V / 1ph / 50 Hz	591	1 360	487 x 432 x 342	25
AMXiAr-2.5 (BL) MHT	230V / 1ph / 50 Hz	1 024	2 369	607 x 512 x 438	35
AMXiAr-3.5 (BL) MHT	230V / 1ph / 50 Hz	1 494	3 309	607 x 512 x 438	40

### ON/OFF Range

R448/9A

AREA model	Power supply	Q <sub>o</sub> , kW	Dimensions (L x W x H), mm	Weight, kg
AMXAr-0.6 MHT	230V / 1ph / 50 Hz	984	487 x 432 x 340	20
AMXAr-0.9 MHT	230V / 1ph / 50 Hz	1 384	487 x 432 x 340	25
AMXAr-1.5 MHT	230V / 1ph / 50 Hz	2 401	607 x 512 x 436	35

R513A

AREA model	Power supply	Q <sub>o</sub> , kW	Dimensions (L x W x H), mm	Weight, kg
AMXAr-0.6 MHT	230V / 1ph / 50 Hz	575	488 x 432 x 340	20
AMXAr-0.9 MHT	230V / 1ph / 50 Hz	834	489 x 432 x 340	25
AMXAr-1.0 MHT	230V / 1ph / 50 Hz	1 036	490 x 432 x 340	25
AMXAr-1.5 MHT	230V / 1ph / 50 Hz	1 410	491 x 432 x 340	25
AMXAr-2.0 MHT	230V / 1ph / 50 Hz	1 900	607 x 512 x 436	35
AMXAr-2.4 MHT	230V / 1ph / 50 Hz	2 213	608 x 512 x 436	35
AMXAr-3.0 MHT	230V / 1ph / 50 Hz	2 824	610 x 512 x 436	40



# iCOOL CO<sub>2</sub>

## CO<sub>2</sub> made Easy



Smart Solutions  
for a Green Future®



Designed and  
manufactured  
in the EU



**iCOOL™**  
Different by Nature

# Silent Inverter CO<sub>2</sub> Transcritical Units



Medium-High temperature

R744

Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm <sup>3</sup> )	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE				
	W.	L.	H.			Suction	Liquid						(-15°C)	(-10°C)	(-5°C)	0°C	
<b>iCOOL 5 CO<sub>2</sub> MT</b>	510	1289	963	160	7,5	3/8"	1/4"	10,0	1x630	37	R744	32	1,5	1,8	2,1	2,4	
												Qmin	38	1,2	1,6	1,9	2,2
												43	-	1,2	1,5	1,7	
												32	3,7	4,4	5,0	5,9	
<b>iCOOL 7 CO<sub>2</sub> MT/LT</b>	541	1426	1100	200		3/8"	3/8"	10,0	1x710	38	R744	32	2,3	2,7	3,0	-	
												Qmin	38	2,0	2,3	2,6	-
												43	1,8	2,0	2,3	-	
												32	5,0	6,1	7,0	-	
<b>iCOOL 15 CO<sub>2</sub> MT/LT</b>	541	1426	1516	300	26	1/2"	1/2"	12,4	2x630	39	R744	32	-	6,9	7,9	8,8	
												Qmin	38	-	6,2	7,0	7,8
												43	-	5,5	6,2	6,9	
												32	-	15,1	16,8	18,3	
<b>iCOOL 22 CO<sub>2</sub> MT</b>	885	1590	1600	360	26	5/8"	1/2"	24	2x630	39	R744	32	-	14,0	15,3	16,6	
												Qmax	38	-	12,8	13,9	14,9
												32	6,1	6,9	7,9	8,8	
												Qmin	38	5,5	6,2	7,0	7,8
<b>iCOOL 30D CO<sub>2</sub> MT</b>	1100	1580	1670	470				32,0	2x710		R744	32	20	22,5	25,0	27,3	
												Qmax	38	18,6	20,9	22,8	24,8
												43	17,3	19,1	20,7	22,2	
												32	38	TBC			
								43				32	26,9	30,3	33,5	36,5	
												Qmax	38	25,0	28,0	30,7	33,1
												43	23,1	25,6	27,8	29,8	



**iCOOL™**  
Different by Nature

## Silent Inverter CO<sub>2</sub> Transcritical Units



Low temperature

R744

Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm <sup>3</sup> )	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE			
	W.	L.	H.			Suction	Liquid						(-35°C)	(-30°C)	(-25°C)	(-20°C)
<b>iCOOL 7 CO<sub>2</sub> MT/LT</b>	541	1426	1091	200	3/8"	1/4"	10,0	1x710	R744	32	1,2	1,4	2,0	-		
										Qmin	38	1,0	1,2	1,5	-	
										43	0,9	1,1	1,4	-		
										32	3,0	3,5	4,0	-		
										Qmax	38	2,6	3,0	3,7	-	
<b>iCOOL 15 CO<sub>2</sub> MT/LT</b>	541	1426	1516	300	26	1/2"	1/2"	12,4	2x630	39	R744	32	3,1	3,8	4,3	5,3
										Qmin	38	2,9	3,5	4,1	4,8	
										43	-	3,3	3,8	4,3		
										32	7,3	8,7	10,2	11,8		
										Qmax	38	7,0	8,2	9,2	11	
										43	-	7,8	9,0	10,3		

## Air Ducted CO<sub>2</sub> Transcritical Units



Pressure available 120 Pa  
High-Medium-Low temperature

R744

**iCOOL™**  
Different by Nature

Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm <sup>3</sup> )	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE			
	W.	L.	H.			Suction	Liquid						(-35°C)	(-30°C)	(-10°C)	0°C
<b>iCOOL MAX 15 CO<sub>2</sub> MT/LT</b>	790	1326	1720	270	18	1/2"	1/2"	12,4	1x560	R744	32	3,1	3,8	6,9	8,8	
										Qmin	38	2,9	3,5	6,2	7,8	
										43	-	3,3	5,5	6,9		
										32	7,3	8,7	15,1	18,3		
										Qmax	38	7,0	8,2	14,0	16,6	
										43	-	7,8	12,8	14,9		

# area

Cooling  
Solutions



## Silent

State-of-the-art design  
for low noise units



Smart Solutions  
for a Green Future®



Designed and  
manufactured  
in the EU



## Silent

### State-of-the-art design for low noise units

Silent is a range of compact plug&play units that are designed with separate spaces for the condenser and compressor. To achieve the lowest possible noise, quiet compressors with additional acoustic insulation are used. The condenser space has a built-in energy saving EC fan with a reduced noise level. They are designed to work at external temperatures of up to + 43 °C.

These units are designed to work with refrigerants: R448A, R449A, R134a, R513A, and R407C. As a very quiet solution, Silent units are

the perfect solution where noise is an issue during night and day, for example in city centres.

Several options are available that can be directly assembled in our factory, to achieve a faster and easier installation.

Silent by Area Cooling Solutions is the low noise solution for convenience stores, restaurants cold rooms, fuel stations, food stores, milk cooling and ice making equipment.

## Condensing Units Silent



Medium-High temperature,  
380/415 V- 3ph - 50 Hz



Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**			
	W.	L.	H.			Suction	Liquid						(-10°C)	(-5°C)	0°C	5°C
<b>SAPTXSs-18 MHP</b>	460	1510	1495	310	2x11,1	11/8"	5/8"	15	2x630	45	R448A/ R449A	32	13,60	16,79	20,35	28,41
											38	12,12	15,13	18,50	26,17	
											43	11,19	14,08	17,33	24,75	
	460	1510	1495	310	2x14,1	11/8"	5/8"	15	2x630	45	R134a/ R513A	32	9,10	10,82	12,85	18,15
											38	8,30	9,93	11,87	16,98	
											43	7,81	9,37	11,25	16,21	
<b>SAPTXSs-22 MHP</b>	460	1510	1495	310	2x14,1	11/8"	5/8"	15	2x630	45	R448A/ R449A	32	15,34	18,85	22,73	31,39
											38	13,70	17,00	20,66	28,83	
											43	12,68	15,84	19,35	27,18	
	460	1510	1495	310	2x14,1	11/8"	5/8"	15	2x630	45	R134a/ R513A	32	11,11	13,26	15,80	22,35
											38	10,19	12,20	14,59	20,78	
											43	9,61	11,53	13,82	19,77	

\*All units also work with R404A

\*\*Subcooling: 3K, Superheating: 10 K



# Condensing Units Silent



Medium-High temperature,  
380/415 V- 3ph - 50 Hz

R449A R448A R513A R134a

Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**			
	W.	L.	H.			Suction	Liquid						(-10°C)	(-5°C)	0°C	50°C
<b>SAPTXEs-4 MHP</b>	470	1110	560	105	3,2	7/8"	3/8"	3,9	1x450	39	R448A/ R449A	32	4,08	4,78	5,54	7,28
												38	3,72	4,34	5,02	6,56
												43	3,40	3,95	4,56	5,94
											R134a/ R513A	32	2,29	2,84	3,46	4,93
												38	2,13	2,65	3,24	4,63
												43	2,00	2,49	3,05	4,36
<b>SAPTXEs-5 MHP</b>	470	1110	560	105	4,7	7/8"	3/8"	3,9	1x450	39	R448A/ R449A	32	4,75	5,53	6,38	8,27
												38	4,31	5,00	5,75	7,43
												43	3,93	4,54	5,21	-
											R134a/ R513A	32	2,70	3,34	4,07	5,76
												38	2,51	3,12	3,80	5,39
												43	2,36	2,92	3,57	5,08
<b>SAPTXEs-6 MHP</b>	470	1110	560	105	4,9	7/8"	3/8"	3,9	1x450	39	R448A/ R449A	32	5,28	6,12	7,03	9,02
												38	4,78	5,52	6,32	8,07
												43	4,34	5,00	5,70	-
											R134a/ R513A	32	3,04	3,76	4,57	6,43
												38	2,83	3,50	4,27	6,02
												43	2,65	3,28	4,00	5,66
<b>SAPTXSs-7 MHP</b>	430	1280	760	160	10,2	7/8"	1/2"	5,3	1x630	41	R448A/ R449A	32	5,62	6,92	8,37	11,61
												38	5,02	6,24	7,60	10,66
												43	4,56	5,71	7,00	9,89
											R134a/ R513A	32	3,94	4,71	5,62	7,98
												38	3,61	4,33	5,19	7,42
												43	3,35	4,03	4,84	6,97
<b>SAPTXSs-8,5 MHP</b>	430	1280	760	160	11,1	7/8"	1/2"	5,3	1x630	41	R448A/ R449A	32	6,53	8,04	9,71	13,47
												38	5,81	7,24	8,83	12,41
												43	5,25	6,61	8,13	11,57
											R134a/ R513A	32	4,77	6,77	9,55	4,77
												38	4,36	6,24	8,88	4,36
												43	4,04	5,83	8,35	4,04
<b>SAPTXSs-10 MHP</b>	430	1280	760	170	13,6	7/8"	1/2"	5,3	1x630	41	R448A/ R449A	32	7,69	9,44	11,37	15,65
												38	6,83	8,48	10,31	14,40
												43	6,29	7,88	9,64	
											R134a/ R513A	32	5,80	6,90	8,19	11,49
												38	5,32	6,34	7,56	10,69
												43	5,01	5,99	7,16	10,17
<b>SAPTXSs-13,5 MHP</b>	430	1280	965	170	14,9	7/8"	1/2"	7,1	1x630	41	R448A/ R449A	32	10,95	12,84	15,02	20,34
												38	9,52	11,23	13,22	18,12
												43	8,63	10,23	12,09	16,72
											R134a/ R513A	32	7,23	8,60	10,23	14,42
												38	6,60	7,90	9,44	13,41
												43	6,22	7,46	8,94	12,77
<b>SAPTXSs-14,5 MHP</b>	430	1280	965	170	17,5	7/8"	1/2"	5,3	1x630	41	R448A/ R449A	32	10,65	13,09	15,79	21,81
												38	9,48	11,79	14,35	20,10
												43	8,75	10,96	13,43	19,00
											R134a/ R513A	32	8,05	9,52	11,23	15,49
												38	7,49	8,86	10,45	14,45
												43	7,13	8,44	9,96	13,77

\*All units also work with R404A  
\*\*Subcooling: 3K, Superheating: 10 K



## Heat recovery option

Available for iCOOL™ and Silent units

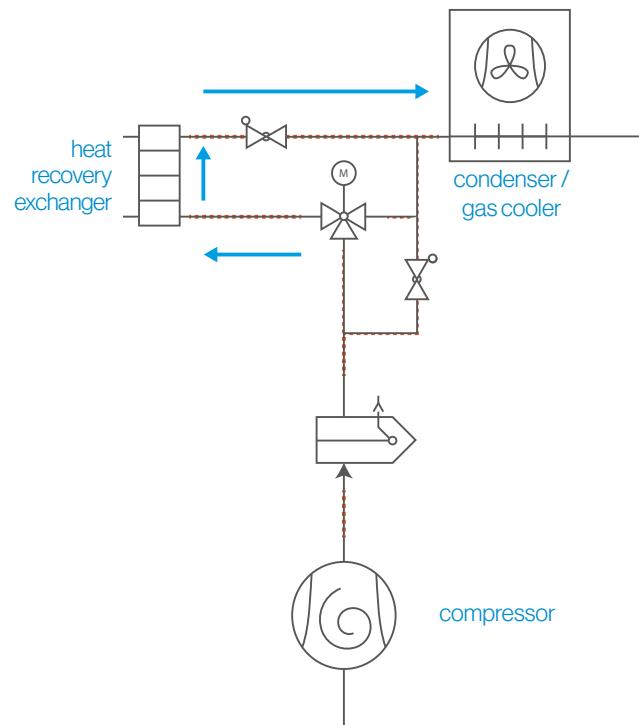
Reclaim the heat from the high-pressure cooling system

Reduce energy costs with heat recovery for use in domestic hot water and / or central heating, for example.



### Main features

- Heat recovery connections / exchanger built into the device (depending on the model)
- Heat recovery is an optional function to the main cooling function of the unit
- Protection of the system against overheating or excessive temperature/pressure increase
- The use of recovery to increase the efficiency of the unit at high ambient temperatures



Example of the heat recovery cooling circuit diagram for iCOOL-15 CO<sub>2</sub> MT/LT unit.



# BASICLine

Classic on/off  
Plug&Play Units



Smart Solutions  
for a Green Future®



Designed and  
manufactured  
in the EU



# BASICLine

## Classic on/off Plug&Play units

Designed to work up to 43°C ambient temperature with R448A/449A refrigerants

The condensing units of the BASICLine series have an optimized design allowing them to ensure minimal size and weight. It has a compact design with separate spaces for the condenser and compressor along with other system components. BASICLine units are manufactured in two housing sizes.

These units are designed to work with refrigerants: R448A, R449A, R134a, R513A, and R407C.

These compact devices are ideal for small shops, restaurants, fish markets, butcher shops, gas stations, bakeries etc.





## BASICLine Condensing Units



High-Medium temperature,  
220/240 V - 1ph - 50 Hz



Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Re-ceiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**			
	W.	L.	H.			Suction	Liquid						(-15°C)	(-10°C)	(-5°C)	0°C
<b>E14B02</b>	350	905	605	60	5,1	3/8"	3/8"	3,3	1x450	42	R448A/ R449A	32	0,99	1,23	1,51	1,82
												38	0,93	1,14	1,40	1,69
												43	-	1,06	1,30	1,57
<b>E22B02</b>	350	905	605	65	8,5	1/2"	3/8"	3,3	1x450	42	R448A/ R449A	32	1,41	1,81	2,28	2,81
												38	1,30	1,67	2,10	2,58
												43	-	1,53	1,94	2,39
<b>E26B02</b>	350	905	605	70	7,5	1/2"	3/8"	3,3	1x450	42	R448A/ R449A	32	1,71	2,19	2,74	3,37
												38	1,56	2,00	2,51	3,09
												43	-	-	2,32	2,86
<b>E33B02</b>	350	905	605	75	10,5	5/8"	3/8"	3,3	1x450	42	R448A/ R449A	32	2,13	2,69	3,30	3,97
												38	1,91	2,42	2,99	3,62
												43	-	-	2,74	3,36

\*All units also work with R404A

\*\*Subcooling: 0 K, Superheat: 10 K



High-Medium temperature,  
380/415 V - 3ph - 50 Hz



Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Re-ceiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**			
	W.	L.	H.			Suction	Liquid						(-10°C)	(-5°C)	0°C	5°C
<b>E34B02</b>	450	1100	805	95	5,2	3/4"	3/8"	6,2	1x500	46	R448A/ R449A	32	3,58	4,25	5,00	5,84
												38	3,28	3,90	4,60	5,38
												43	3,01	3,59	4,24	4,97
<b>E42B02</b>	450	1100	805	100	6,4	3/4"	3/8"	6,2	1x500	46	R448A/ R449A	32	4,42	5,27	6,24	7,34
												38	4,08	4,87	5,77	6,80
												43	3,77	4,51	5,36	6,32
<b>E46B02</b>	450	1100	805	100	6,9	3/4"	3/8"	6,2	1x500	46	R448A/ R449A	32	4,97	5,91	6,98	8,19
												38	4,58	5,45	6,45	7,57
												43	4,21	5,04	5,97	7,02
<b>P56B02</b>	450	1100	805	110	10,2	7/8"	1/2"	6,2	1x500	40	R448A/ R449A	32	5,37	6,60	7,97	9,45
												38	4,78	5,93	7,22	8,61
												43	4,31	5,40	6,62	7,93
<b>P67B02</b>	450	1100	805	110	11,1	7/8"	5/8"	6,2	1x500	40	R448A/ R449A	32	6,21	7,64	9,22	10,93
												38	5,51	6,85	8,35	9,97
												43	4,96	6,23	7,65	-
<b>P83B02</b>	450	1100	805	110	14,1	7/8"	5/8"	6,2	1x500	40	R448A/ R449A	32	7,27	8,92	10,73	12,66
												38	6,43	7,98	9,68	-
												43	5,76	-	-	-

\*All units also work with R404A

\*\*Subcooling: 0 K, Superheat: 10 K



## BASICLine Condensing Units



High-Medium temperature,  
220/240 V - 1ph - 50 Hz



Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Re-ceiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE			
	W.	L.	H.			Suction	Liquid						(-10°C)	(-5°C)	0°C	5°C
<b>G16A02</b>	350	905	605	60	3,9	1/2"	1/4"	3,3	1x450	40	R134a	32	1,03	1,20	1,48	1,85
												38	0,95	1,11	1,37	1,72
												43	0,88	1,04	1,29	1,62
<b>G25A02</b>	350	905	605	60	6,8	5/8"	1/4"	3,3	1x450	40	R134a	32	1,60	1,85	2,28	2,83
												38	1,47	1,71	2,11	2,63
												43	1,37	1,60	1,98	2,47
<b>G34A02</b>	350	905	605	65	10,2	5/8"	1/4"	3,3	1x450	46	R134a	32	2,12	2,46	3,02	3,75
												38	1,95	2,27	2,80	3,49
												43	1,82	2,12	2,62	3,27



High-Medium temperature,  
380/415 V - 3ph - 50 Hz



Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Re-ceiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE			
	W.	L.	H.			Suction	Liquid						(-10°C)	(-5°C)	0°C	5°C
<b>E42A02</b>	450	1100	805	100	6,4	3/4"	3/8"	6,2	1x500	46	R134a/ R513A	32	2,59	3,22	3,95	4,76
												38	2,40	3,00	3,68	4,45
												43	2,23	2,80	3,45	4,18
<b>E46A02</b>	450	1100	805	100	6,9	3/4"	3/8"	6,2	1x500	46	R134a/ R513A	32	2,92	3,62	4,43	5,33
												38	2,70	3,36	4,13	4,98
												43	2,51	3,14	3,86	4,67
<b>P56A02</b>	450	1100	805	105	10,2	3/4"	3/8"	6,2	1x500	40	R134a/ R513A	32	3,59	4,27	5,06	5,99
												38	3,28	3,91	4,66	5,54
												43	3,03	3,63	4,34	5,17
<b>P67A02</b>	450	1100	805	105	11,1	3/4"	3/8"	6,2	1x500	40	R134a/ R513A	32	4,28	5,07	5,99	7,07
												38	3,90	4,64	5,51	6,53
												43	3,61	4,31	5,13	6,10
<b>P83A02</b>	450	1100	805	110	14,1	3/4"	3/8"	6,2	1x500	40	R134a/ R513A	32	5,55	6,59	7,82	9,26
												38	5,07	6,05	7,20	8,56
												43	4,69	5,62	6,71	8,00



## BASICLine Condensing Units



Low temperature,  
220/240 V - 1ph - 50 Hz (AxxB02 MP models)  
380/415 V - 3ph - 50 Hz (PxxB02 MP models)

R449A R448A

Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Re-ceiver (dm³)	Number x diameter of fan (mm)	Sound level at 10m (dB(A))	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE			
	W.	L.	H.			Suction	Liquid						(-33°C)	(-30°C)	(-25°C)	(-20°C)
<b>A13B02 MP</b>	350	905	605	60	4,41	3/8"	1/4"	3,3	1x450	42	R448A/ R449A	32	0,56	0,63	0,79	0,98
												38	0,52	0,6	0,76	0,94
												43	0,5	0,58	0,73	0,92
<b>A16B02 MP</b>	350	905	605	65	4,82	1/2"	1/4"	3,3	1x450	42	R448A/ R449A	32	0,63	0,72	0,9	1,11
												38	0,59	0,68	0,86	1,07
												43	0,57	0,66	0,83	1,04
<b>A19B02 MP</b>	350	905	605	70	6,12	1/2"	1/4"	3,3	1x450	42	R448A/ R449A	32	0,8	0,91	1,13	1,4
												38	0,77	0,88	1,1	1,36
												43	0,75	0,85	1,07	1,32
<b>A22B02 MP</b>	350	905	605	70	8,53	1/2"	1/4"	3,3	1x450	42	R448A/ R449A	32	0,9	1,03	1,29	1,6
												38	0,86	0,98	1,24	1,54
												43	0,82	0,95	1,19	1,49
<b>A32B02 MP</b>	450	1100	805	100	11,5	3/4"	3/8"	6,2	1x500	36	R448A/ R449A	32	1,29	1,48	1,85	2,29
												38	1,23	1,41	1,78	2,22
												43	1,19	1,37	1,72	2,15
<b>A46B02 MP</b>	450	1100	805	100	16,8	3/4"	3/8"	6,2	1x500	36	R448A/ R449A	32	1,85	2,12	2,64	3,28
												38	1,76	2,03	2,55	3,16
												43	1,7	1,95	2,45	3,03
<b>P67B02 MP</b>	450	1100	805	120	8,2	7/8"	3/8"	6,2	1x500	36	R448A/ R449A	32	2,44	2,81	3,56	4,47
												38	2,25	2,58	3,27	4,1
												43	2,09	2,41	3,04	3,81
<b>P83B02 MP</b>	450	1100	805	120	9,7	7/8"	3/8"	6,2	1x500	36	R448A/ R449A	32	2,97	3,41	4,3	5,37
												38	2,73	3,14	3,96	4,94
												43	2,54	2,93	3,69	4,61
<b>P96B02 MP</b>	450	1100	805	120	14,2	7/8"	3/8"	6,2	1x500	36	R448A/ R449A	32	3,32	3,8	4,76	5,89
												38	3,06	3,5	4,38	5,4
												43	2,85	3,26	4,07	5,02



## Remote control



### Remote diagnostics

- Preview of unit parameters
- Preview of system/cabinets operation



### Visualization of monitored values



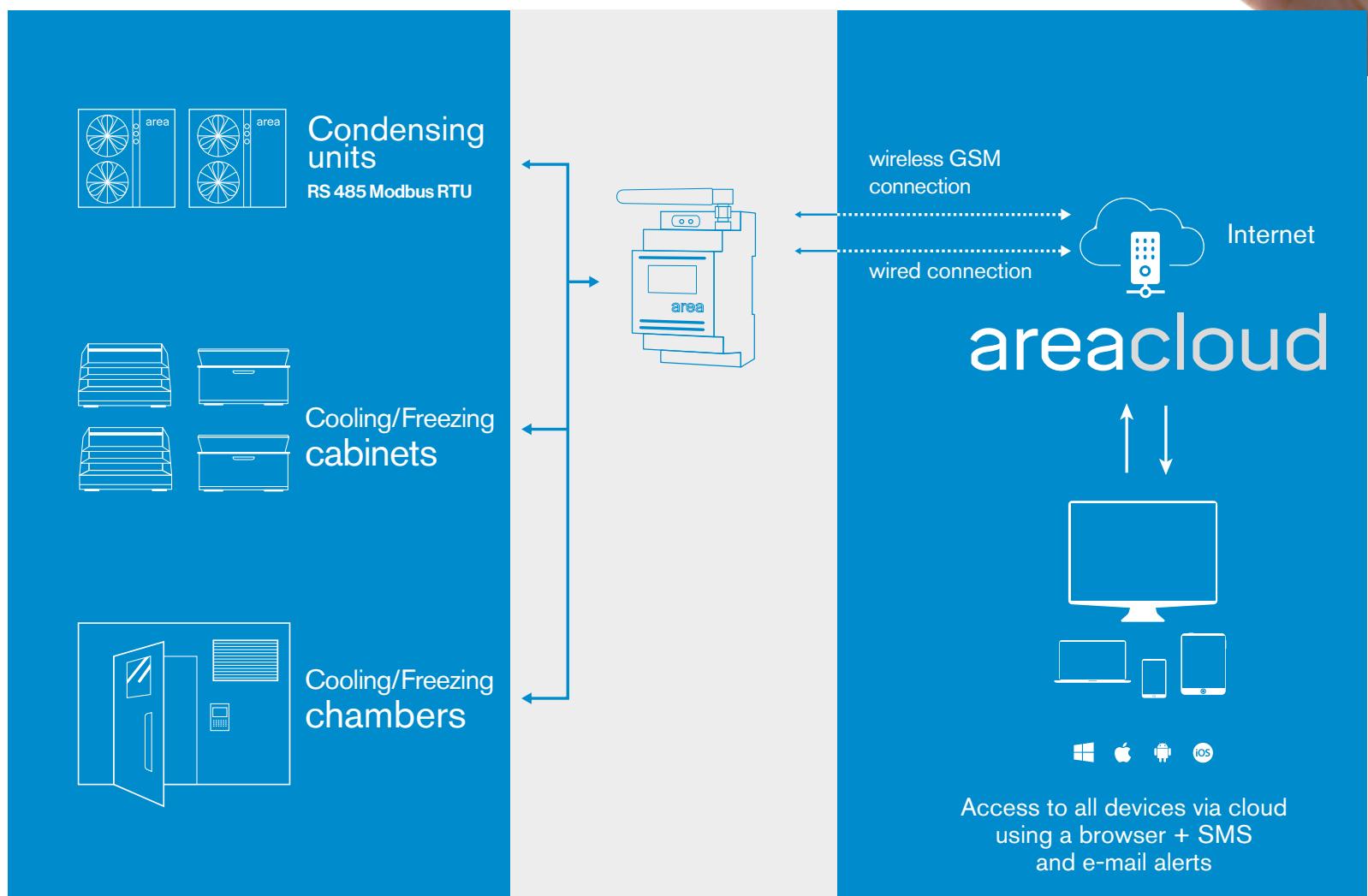
### Alarms



### Remote parameter change



### Archiving the values of monitored parameters



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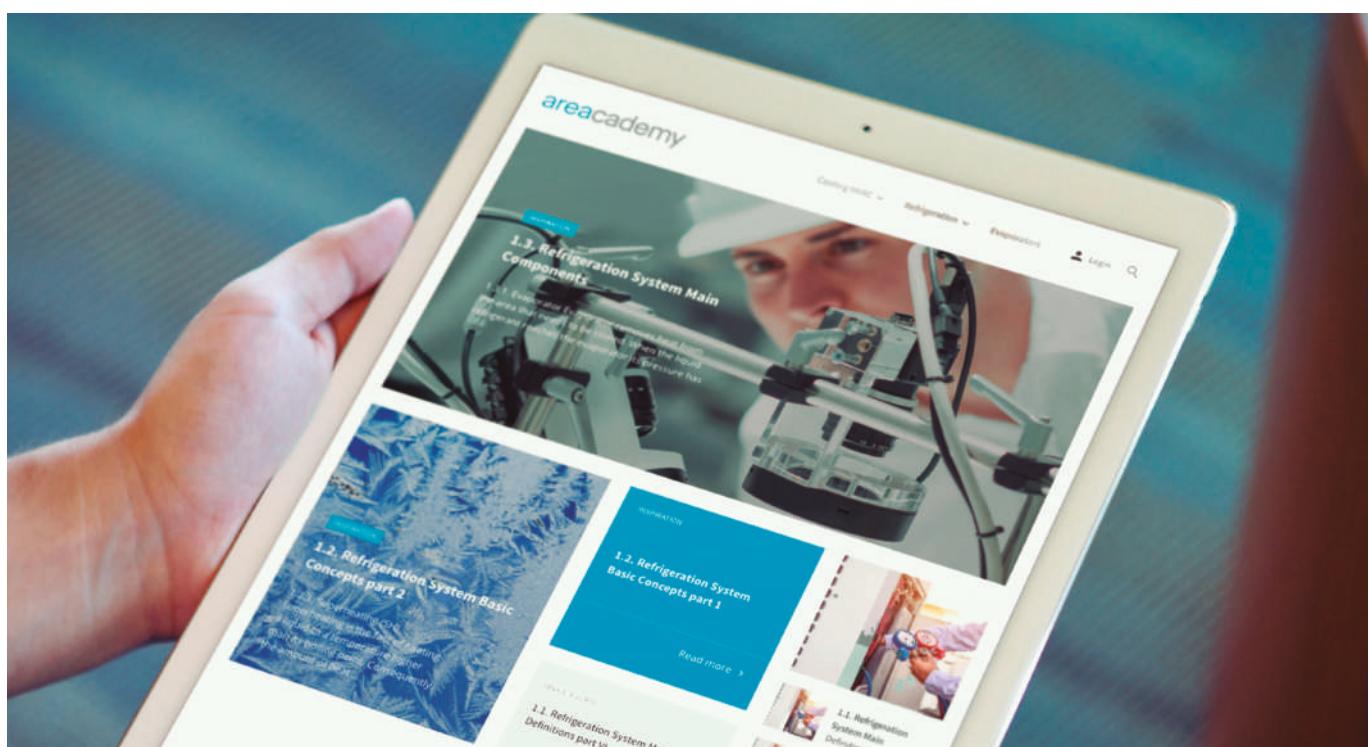
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