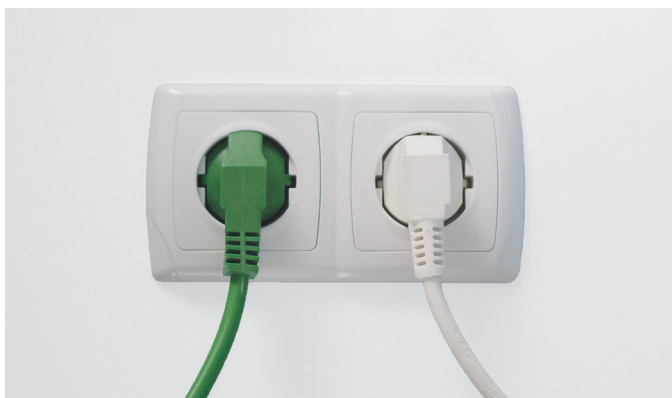


# Condensing Units Catalogue





# Product range

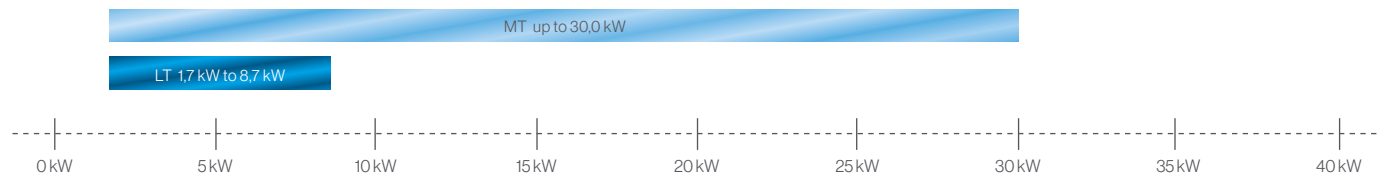
## Inverter driven condensing units

Designed to operate up to 43°C ambient temperature

iCOOL™  
Different by Nature

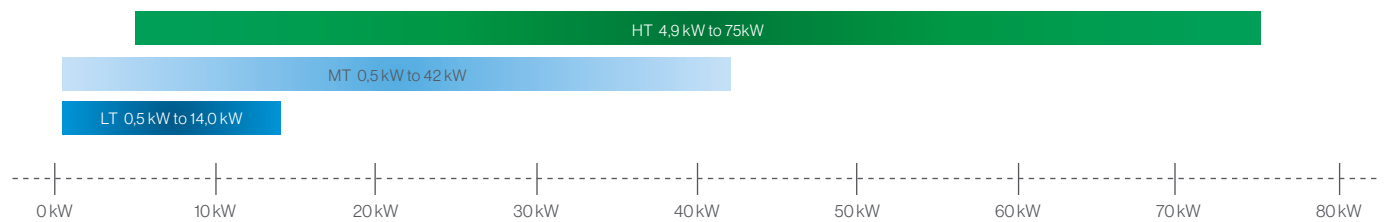
### iCOOL™ CO<sub>2</sub>

R744



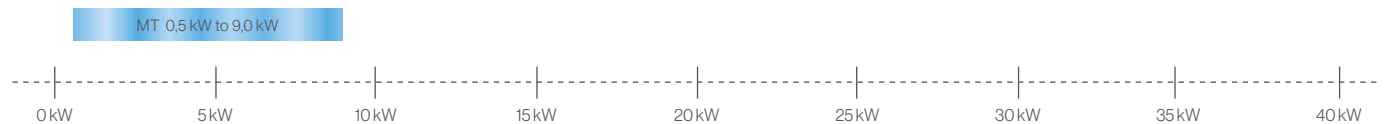
### iCOOL™ HFC/HFO

R449A R448A R513A R134a



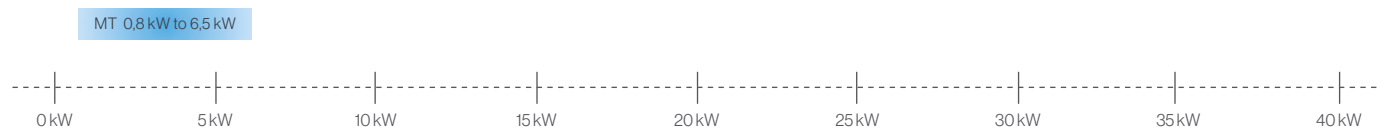
### iCOOL™ A2L

R454C R455A



### iCOOL™ SE

R449A R448A R513A R134a

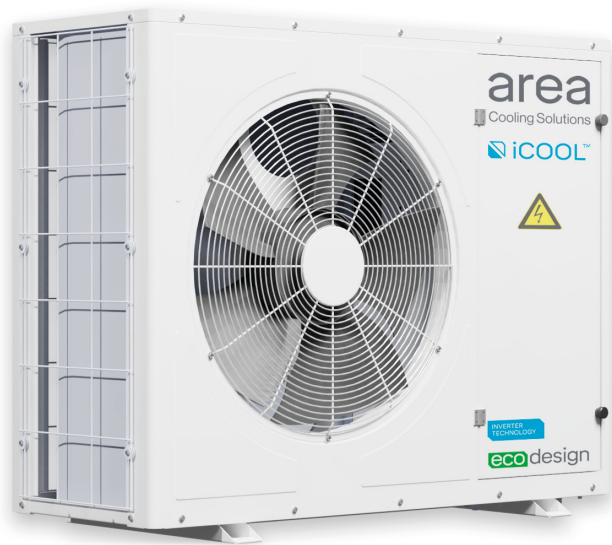


- |  |   |
|--|---|
|  HT High Temperature R410A / R407C ( T <sub>e</sub> +5°C / T <sub>amb</sub> 32°C) |  MT Medium Temperature R454C / R455A ( T <sub>e</sub> -10°C / T <sub>amb</sub> 32°C) |
|  MT Medium Temperature R449A ( T <sub>e</sub> -10°C / T <sub>amb</sub> 32°C)      |  LT Low Temperature R449A ( T <sub>e</sub> -30°C / T <sub>amb</sub> 32°C)            |
|  LT Low Temperature R744 ( T <sub>e</sub> -30°C / T <sub>amb</sub> 32°C)          |  MT Medium Temperature R744 ( T <sub>e</sub> -10°C / T <sub>amb</sub> 32°C)          |



# iCOOL™ SE

Inverter technology at the cost of on-off. Easy to install, with a simplified commissioning process. Inverter technology has never been this easy.



Designed for ambient temperature 43°C

## Time to go inverter

Save time and operation cost with our energy-efficient units based on inverter compressors.

## Key features

- Similar investment cost and significant energy savings vs on-off technology
- Full BLDC inverter technology
- PLC control
- Low noise operation
- Suitable for multi-evaporator applications
- Designed and manufactured in Europe

Comparison of energy consumption between a standard market on-off unit and our **iCOOL SE 6.5 MHP** condensing unit.

Technology	On-Off	iCOOL™ Inverter
SEPR	2,71	4,0
Annual consumption	16 444 kWh	10 109 kWh
Annual energy cost	6 578 EUR	4 044 EUR
<b>Annual energy savings with iCOOL™</b>		<b>2 534 EUR</b>

@ Cooling capacity ~6,5kW @ -10/32 °C; Prices: Q3 2023 (1kWh = 0,4 EUR)

The inverter solution is **recovered in less than one quarter!**

Save time and operation cost with our **energy-efficient** units based on inverter compressors.

Easy to install, with a **simplified commissioning** process.



# iCOOL™ SE Inverter Condensing Units

iCOOL™  
Different by Nature



High-Medium temperature



Model*	Dimensions (mm)			Weight (kg)	Voltage (V/ph/Hz)	MCC (A)	Connections		Receiver (dm³)	Number x diameter of fan (mm)	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**					SEPR***			
	W.	L.	H.				Suction	Liquid					(-15°C) (-10°C) (-5°C) 0°C 5°C								
													Qmin	Qmin	Qmin	Qmin	Qmin				
iCOOL SE 2,5 MT (E1)	450	1000	605	70	220-240/1/50	8	1/2"	3/8"	3,9	1x450	R448A / R449A	27	0,73	0,88	1,04	1,21	-	-			
													32	0,68	0,82	0,97	1,14		-		
													38	0,63	0,76	0,91	1,07		-		
													43	0,59	0,71	0,85	1,00		-		
													Qmax	27	2,30	2,73	3,19		3,67	-	
														32	2,16	2,56	2,99		3,44	-	
														38	1,98	2,34	2,73		3,12	-	
													43	1,81	2,06	2,14	2,25		-		
													R134a / R513A	27	0,38	0,49	0,61		0,74	0,89	
															32	0,35	0,45		0,56	0,69	0,83
															38	0,32	0,41		0,52	0,63	0,77
															43	0,30	0,38		0,48	0,59	0,71
Qmax	27	1,27	1,59	1,96	2,35	2,79															
	32	1,18	1,48	1,82	2,20	2,61															
	38	1,07	1,35	1,66	2,01	2,40															
43	0,99	1,24	1,53	1,87	2,24																
iCOOL SE 4,5 MT (E1)	450	1000	605	70	220-240/1/50	14	5/8"	3/8"	3,9	1x450	R448A / R449A	27			1,44	1,72	2,04	2,38	-	R448A=3,39 R404A=3,58	
															32	1,34	1,62	1,92	2,25		-
															38	1,24	1,50	1,78	2,10		-
															43	1,16	1,40	1,67	1,96		-
													Qmax	27	4,18	4,95	5,76	6,61	-		
														32	3,92	4,63	5,38	6,16	-		
														38	3,57	4,22	4,78	4,96	-		
													43	3,07	3,07	3,29	3,75	-			
													R134a / R513A	27	0,71	0,91	1,14	1,39	1,66		
															32	0,67	0,85	1,06	1,30		1,56
															38	0,61	0,78	0,97	1,19		1,44
															43	0,56	0,72	0,90	1,10		1,34
Qmax	27	2,35	2,95	3,62	4,36	5,16															
	32	2,19	2,74	3,37	4,07	4,83															
	38	1,99	2,50	3,07	3,72	4,44															
43	1,83	2,30	2,84	3,45	4,13																
iCOOL SE 6,5 MT (E1)	450	1100	805	80	220-240/1/50	18	3/4"	3/8"	5,3	1x500	R448A / R449A	27			2,08	2,48	2,93	3,43	-	R448A=3,80 R404A=4,00	
															32	1,93	2,32	2,76	3,24		-
															38	1,78	2,15	2,57	3,02		-
															43	1,67	2,02	2,40	2,83		-
													Qmax	27	6,00	7,13	8,19	9,37	-		
														32	5,63	6,57	7,56	8,65	-		
														38	5,03	5,88	6,82	7,73	-		
													43	4,55	5,31	5,92	6,27	-			
													R134a / R513A	27	1,03	1,32	1,65	2,02	2,42		
															32	0,94	1,20	1,50	1,84		2,21
															38	0,86	1,10	1,37	1,69		2,04
															43	0,80	1,01	1,27	1,57		1,90
Qmax	27	3,31	4,17	5,13	6,18	7,33															
	32	3,08	3,88	4,77	5,77	6,87															
	38	2,81	3,53	4,36	5,29	6,33															
43	2,59	3,25	4,02	4,91	5,89																

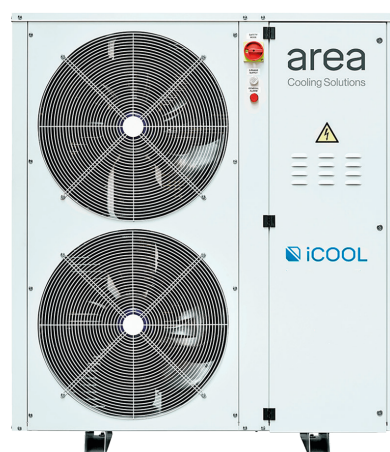
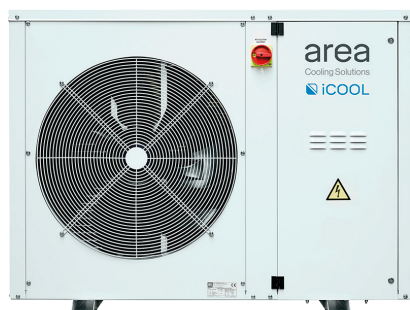
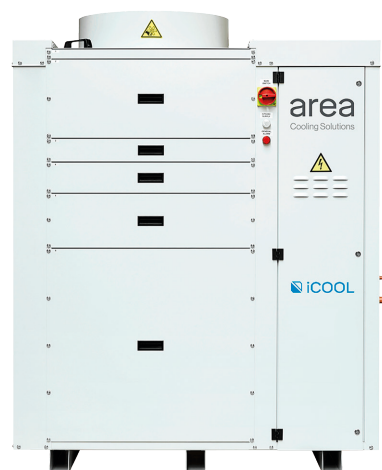
\*All units also work with R404A

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

\*\*\*Calculated value obtained from data provided by suppliers of individual components

# iCOOL™ HFC / HFO

The benchmark  
for inverter  
condensing units





## 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 500 W 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



High-Medium temperature



Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm <sup>3</sup> )	Number x diameter of fan (mm)	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**				SEPR R449A ***	
	W.	L.	H.			Suction	Liquid					(-10°C)	(-5°C)	0°C	5°C		
<b>iCOOL 4,5 MHP</b>	536	1106	560	118	12	5/8"	3/8"	3,9	1x450	R448A/ R449A	32	0,78	0,93	1,10	1,28	3,28	
											Qmin	38	0,77	0,91	1,07		1,25
											32	0,75	0,89	1,04	1,21		
											Qmax	38	4,65	5,43	6,30		7,30
											32	4,62	5,39	6,26	7,21		
											43	4,62	5,39	6,26	7,21		
										R134a/ R513A	32	0,48	0,57	0,67	0,77		
											Qmin	38	0,46	0,54	0,63		0,73
											43	0,44	0,51	0,60	0,69		
											Qmax	38	3,12	3,68	4,28		5,00
											32	3,37	4,00	4,62	5,33		
											43	2,90	3,43	4,00	4,66		
<b>iCOOL 7 MHP</b>	510	1140	760	135	12	3/4"	1/2"	7,1	1x630	R448A/ R449A	32	1,13	1,33	1,55	1,79	3,60	
											Qmin	38	1,10	1,30	1,53		1,77
											43	1,08	1,29	1,51	1,75		
											Qmax	38	6,70	7,36	8,02		8,99
											32	7,11	7,76	8,50	9,65		
											43	6,52	7,20	7,84	8,82		
										R134a/ R513A	32	0,83	0,99	1,16	1,35		
											Qmin	38	0,78	0,93	1,09		1,26
											43	0,74	0,87	1,02	1,19		
											Qmax	38	3,81	4,52	5,28		6,13
											32	4,11	4,87	5,68	6,58		
											43	3,55	4,21	4,94	5,76		
<b>iCOOL 10 MHP</b>	510	1289	963	176	16	7/8"	1/2"	10	1x630	R448A/ R449A	32	2,82	3,55	4,47	5,59	3,54	
											Qmin	38	2,55	3,19	3,99		4,99
											43	2,34	2,91	3,63	4,52		
											Qmax	38	8,91	10,60	12,58		14,89
											32	10,02	11,88	14,05	16,57		
											43	8,03	9,58	11,41	13,55		
										R134a/ R513A	32	2,07	2,61	3,30	4,16		
											Qmin	38	1,90	2,40	3,04		3,85
											43	-	2,23	2,83	3,60		
											Qmax	38	5,75	7,05	8,63		10,54
											32	6,16	7,55	9,25	11,29		
											43	5,42	6,65	8,14	9,94		
<b>iCOOL 12 MHP</b>	510	1420	963	196	16	7/8"	1/2"	10	1x710	R448A/ R449A	32	2,96	3,73	4,69	5,87	3,48	
											Qmin	38	2,67	3,35	4,19		5,24
											43	2,45	3,06	3,81	4,75		
											Qmax	38	10,49	12,34	14,58		17,35
											32	12,08	14,10	16,59	19,64		
											43	9,57	11,39	13,55	16,17		
										R134a/ R513A	32	2,07	2,61	3,30	4,16		
											Qmin	38	1,90	2,40	3,04		3,85
											43	-	2,23	2,83	3,60		
											Qmax	38	6,77	8,31	10,17		12,42
											32	6,77	8,31	10,17	12,42		
											43	6,32	7,75	9,49	11,59		

\*All units also work with R404A  
 \*\*Subcooling: 3 K, Superheat: 10 K  
 \*\*\*Calculated value obtained from data provided by suppliers of individual components



Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm <sup>3</sup> )	Number x diameter of fan (mm)	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**				SEPR R449A ***	
	W.	L.	H.			Suction	Liquid					(-10°C)	(-5°C)	0°C	5°C		
iCOOL 15 MHP	541	1322	1493	256	17,5	1 1/8"	5/8"	15	2x630	R448A/ R449A	Qmin	32	4,06	5,04	6,24	7,66	3,87
												38	3,67	4,55	5,63	6,94	
												43	3,37	4,17	5,16	6,38	
											Qmax	32	14,26	17,06	20,14	23,48	
												38	12,61	15,23	18,14	21,31	
												43	12,58	15,12	17,95	21,04	
										R134a/ R513A	Qmin	32	2,51	3,01	3,60	4,30	
												38	2,29	2,76	3,32	3,99	
												43	2,13	2,56	3,10	3,74	
											Qmax	32	10,04	12,03	14,39	17,21	
												38	9,14	11,02	13,27	15,96	
												43	8,45	10,24	12,39	14,97	
iCOOL 17D MHP	541	1521	1493	310	16/ 11,1	1 1/8"	5/8"	15	2x630	R448A/ R449A	Qmin	32	2,89	3,67	4,64	5,84	3,61
												38	2,62	3,29	4,15	5,21	
												43	2,40	3,01	3,77	4,73	
											Qmax	32	17,27	20,95	24,89	29,04	
												38	15,54	19,05	22,87	26,93	
												43	14,17	17,52	21,23	25,21	
										R134a/ R513A	Qmin	32	2,21	2,79	3,54	4,48	
												38	2,03	2,57	3,26	4,14	
												43	-	2,39	3,04	3,87	
											Qmax	32	10,93	13,24	16,02	19,34	
												38	10,11	12,27	14,87	18,00	
												43	9,46	11,50	13,96	16,92	
iCOOL 21D MHP	541	1521	1493	311	27	1 1/8"	5/8"	15	2x630	R448A/ R449A	Qmin	32	2,89	3,67	4,64	5,84	3,39
												38	2,62	3,29	4,15	5,21	
												43	2,40	3,01	3,77	4,73	
											Qmax	32	19,88	24,07	28,50	33,07	
												38	17,85	21,87	26,18	30,70	
												43	16,23	20,10	24,31	28,75	
										R134a/ R513A	Qmin	32	2,21	2,79	3,54	4,48	
												38	2,03	2,57	3,26	4,14	
												43	-	2,39	3,04	3,87	
											Qmax	32	13,09	15,62	18,84	22,45	
												38	11,87	14,62	17,56	20,99	
												43	11,45	14,46	17,40	20,58	
iCOOL 26D MHP	950	1528	1488	400	16/ 13,8	7/8"	1/2"	15	2x630	R448A/ R449A	Qmin	32	4,13	5,15	6,39	7,91	4,31
												38	3,74	4,64	5,77	7,14	
												43	3,44	4,26	5,29	6,56	
											Qmax	32	23,52	28,42	33,85	39,77	
												38	20,87	25,43	30,54	36,20	
												43	18,87	23,12	26,00	33,46	
										R134a/ R513A	Qmin	32	3,24	3,89	4,67	5,60	
												38	2,95	3,57	4,31	5,19	
												43	2,73	3,31	4,02	4,87	
											Qmax	32	17,18	20,53	24,50	29,20	
												38	15,87	18,83	22,80	27,08	
												43	14,52	17,51	21,10	25,39	
iCOOL 29D MHP	950	1528	1488	430	17,5/ 13,8	13/8"	7/8"	15	2x630	R448A/ R449A	Qmin	32	4,13	5,15	6,39	7,91	4,27
												38	3,74	4,64	5,77	7,14	
												43	3,44	4,26	5,29	6,56	
											Qmax	32	26,69	31,82	37,62	44,12	
												38	23,97	28,64	34,03	40,16	
												43	21,91	26,23	31,31	37,16	
										R134a/ R513A	Qmin	32	3,24	3,89	4,67	5,60	
												38	2,95	3,57	4,31	5,19	
												43	2,73	3,31	4,02	4,87	
											Qmax	32	19,54	23,30	27,76	33,03	
												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

\*\*\*Calculated value obtained from data provided by suppliers of individual components





Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm <sup>3</sup> )	Number x diameter of fan (mm)	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**				SEPR R449A ***	
	W.	L.	H.			Suction	Liquid					(-10°C)	(-5°C)	0°C	5°C		
iCOOL 39D MHP	1090	1522	1695	520	31/26	1 5/8	7/8	30	1x800	R449A	Qo min	32	6,49	8,44	10,77	13,37	3,61
												38	5,94	7,45	9,22	11,15	
												43	5,45	6,72	8,13	9,61	
											Qo max	32	39,69	47,77	57,25	68,19	
												38	36,32	43,65	52,29	62,33	
												43	33,69	40,46	48,45	57,78	
										R134A/R513A	Qo min	32	4,37	5,49	6,90	8,67	
												38	3,91	4,92	6,19	7,79	
												43	3,56	4,48	5,64	7,12	
											Qo max	32	28,70	34,82	41,96	50,20	
												38	26,35	31,95	38,56	46,26	
												43	24,50	29,70	35,88	43,15	
iCOOL 43D MHP	1090	1522	1695	520	31/26	1 5/8	7/8	30	1x800	R449A	Qo min	32	6,49	8,44	10,77	13,37	3,52
												38	5,94	7,45	9,22	11,15	
												43	5,45	6,72	8,13	9,61	
											Qo max	32	42,15	50,65	60,58	72,01	
												38	38,56	46,26	55,32	65,81	
												43	35,74	42,87	51,24	61,00	
										R134A/R513A	Qo min	32	4,37	5,49	6,90	8,67	
												38	3,91	4,92	6,19	7,79	
												43	3,56	4,48	5,64	7,12	
											Qo max	32	30,39	36,89	44,45	53,16	
												38	27,90	33,85	40,85	48,99	
												43	25,94	31,45	38,00	45,70	

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

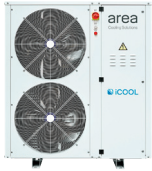
\*All units also work with R404A

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

\*\*\*Calculated value obtained from data provided by suppliers of individual components



# Silent Inverter Condensing Units



Low temperature

R449A R448A

Model*	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm <sup>3</sup> )	Number x diameter of fan (mm)	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE**				
	W.	L.	H.			Suction	Liquid					(-30°C)	(-25°C)	(-20°C)	(-15°C)	
iCOOL 3 MP	536	1106	560	125	12	3/4"	1/2"	3,9	1x450	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	
											Qmax	32	3,40	4,11	4,89	5,71
											38	3,35	4,03	4,76	5,53	
											43	3,26	3,91	4,59	-	
										R449A	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	
											Qmax	32	3,47	4,19	4,98	5,83
											38	3,41	4,11	4,86	5,64	
											43	3,32	3,99	4,68	-	
iCOOL 6 MP	439	1289	760	150	-	7/8	3/8	7,1	1x630	R448A	32					
											Qmin	38				TBD
											43					
											Qmax	32	5,40	6,62	8,01	9,53
											38	4,91	6,01	7,25	8,56	
											43	4,45	5,43	6,53	-	
										R449A	32					TBD
											Qmin	38				
											43					
											Qmax	32	5,40	6,62	8,01	9,53
											38	4,91	6,01	7,25	8,56	
											43	4,45	5,43	6,53	-	
iCOOL 10 MP	541	1322	1493	286	24,6	1 1/8"	5/8"	15	2x630	R448A	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	
											Qmax	32	8,33	10,37	12,79	15,55
											38	7,75	9,69	11,94	14,48	
											43	7,27	9,13	11,26	13,63	
										R449A	32	2,18	2,84	3,72	4,88	
											Qmin	38	1,87	2,47	3,27	4,36
											43	1,63	2,18	2,93	3,95	
											Qmax	32	8,51	10,59	13,06	15,87
											38	7,91	9,89	12,19	14,79	
											43	7,43	9,32	11,50	13,91	
iCOOL 17D MP	950	1528	1488	460	24,6/17,3	1 3/8"	7/8"	15	2x630	R448A	32	2,14	2,79	3,65	4,78	
											Qmin	38	1,84	2,42	3,21	4,27
											43	1,60	2,14	2,88	3,87	
											Qmax	32	13,93	17,14	20,97	25,41
											38	12,76	15,78	19,35	23,48	
											43	11,82	14,69	18,06	-	
										R449A	32	2,17	2,85	3,73	4,88	
											Qmin	38	1,87	2,47	3,28	4,36
											43	1,64	2,18	2,94	3,95	
											Qmax	32	14,22	17,50	21,41	25,94
											38	13,03	16,11	19,76	23,97	
											43	12,07	15,00	18,44	-	



# Standard options for iCOOL™ HFC

Do it yourself!

## 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)
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)

## 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]



## 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	T	RN	HPF	CSV	CSV1	RM	BRM	CRM	RMS
iCOOL 4,5	MHP	✓	✓	✓	✓	✓	✓	✓	×	✓	×	✓	✓	✓
iCOOL 7	MHP	✓	✓	✓	✓	✓	✓	✓	×	✓	×	✓	✓	✓
iCOOL 10	MHP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
iCOOL 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



# eSLIM Silent Inverter Condensing Unit

**iCOOL™**  
Different  
by Nature



Medium-High temperature

R454C R455A

Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm <sup>3</sup> )	Number x diameter of fan (mm)	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	R455A	32	2,04	2,45	2,92	3,43		
												Qmin	38	1,97	2,37	2,83	3,33
													43	1,89	2,29	2,73	3,22
												Qmax	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



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

**iCOOL™**  
Different  
by Nature



Medium-High temperature

R744

Model	Dimensions (mm)			Weight (kg)	MCC (A)	Connections		Receiver (dm <sup>3</sup> )	Number x diameter of fan (mm)	Refrigerant	Tamb (°C)	Cooling capacity (kW) at TE				
	W.	L.	H.			Suction	Liquid					(-15°C)	(-10°C)	(-5°C)	0°C	
iCOOL 5 CO <sub>2</sub> MT	510	1289	963	160	9,4	3/8"	1/4"	10,0	1x630	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
											Qmax	32	3,7	4,4	5,0	5,9
												38	3,0	3,9	4,6	5,3
												43	-	3,0	3,6	4,1
iCOOL 7 CO <sub>2</sub> MT/LT	541	1426	1100	200	12,7	3/8"	3/8"	10,0	1x710	R744	32	2,3	2,7	3,0	-	
											Qmin	38	2,0	2,3	2,6	-
												43	1,8	2,0	2,3	-
											Qmax	32	5,0	6,1	7,0	-
												38	4,9	5,4	6,0	-
												43	4,4	4,8	5,3	-
iCOOL 15 CO <sub>2</sub> MT/LT	541	1426	1516	300	26	1/2"	1/2"	12,4	2x630	R744	32	6,2	6,9	7,9	8,8	
											Qmin	38	5,6	6,2	7,0	7,8
												43	5,0	5,5	6,2	6,9
											Qmax	32	13,5	15,1	16,8	18,3
												38	12,5	14,0	15,3	16,6
												43	11,5	12,8	13,9	14,9
iCOOL 22 CO <sub>2</sub> MT	885	1590	1600	360	-	5/8"	1/2"	24	2x630	R744	32	6,1	6,9	7,9	8,8	
											Qmin	38	5,5	6,2	7,0	7,8
												43	4,9	5,5	6,2	6,9
											Qmax	32	20	22,5	25,0	27,3
												38	18,6	20,9	22,8	24,8
												43	17,3	19,1	20,7	22,2
iCOOL 30D CO <sub>2</sub> MT	1100	1580	1670	470	40,8	3/4"	5/8"	32,0	2x710	R744	32	6,2	6,9	7,9	8,8	
											Qmin	38	5,6	6,2	7,0	7,8
												43	5,0	5,5	6,2	-
											Qmax	32	26,9	30,3	33,5	36,5
												38	25,0	28,0	30,7	33,1
												43	23,1	25,6	27,8	-



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








Low temperature

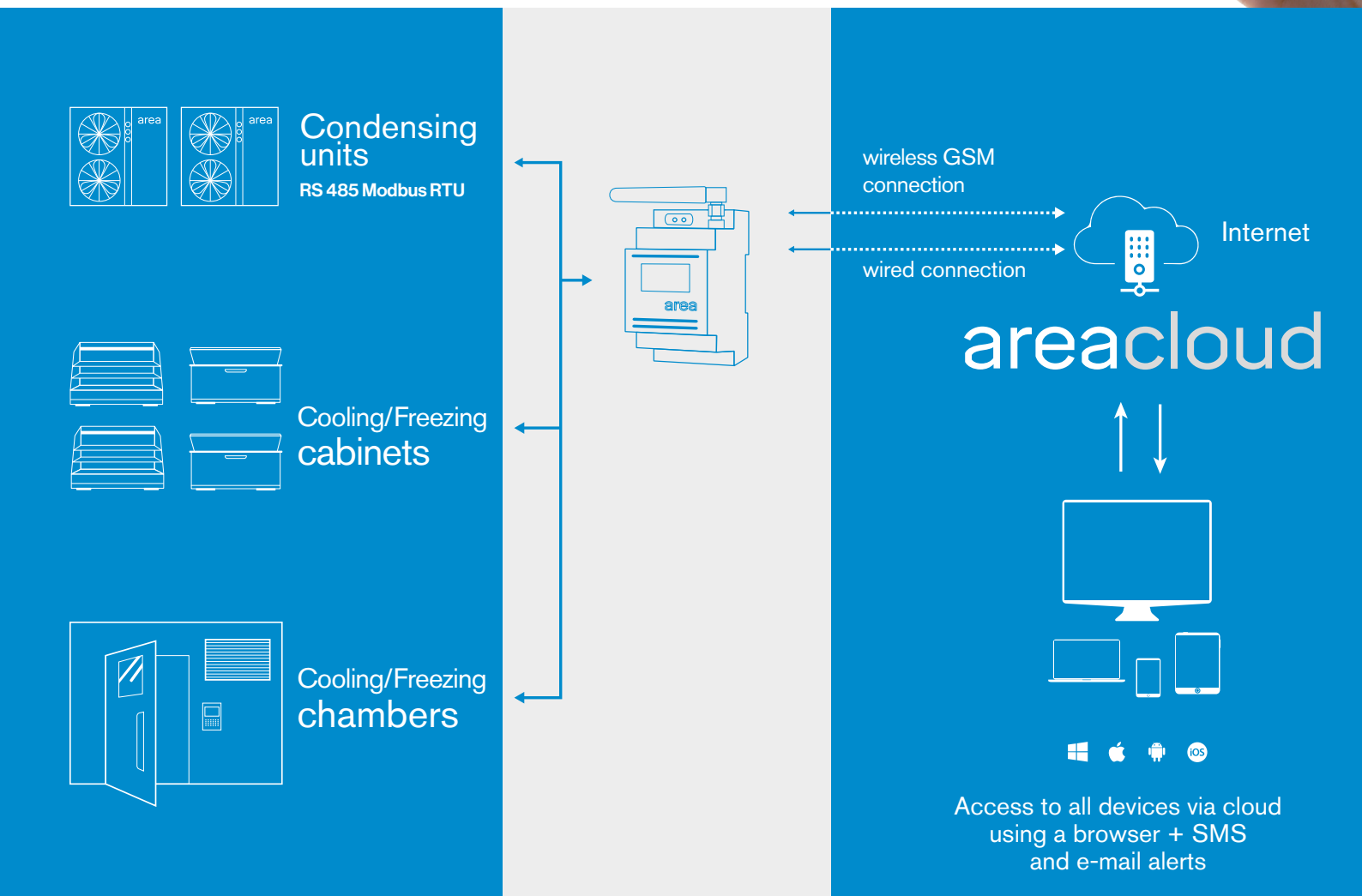
R744

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



# 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**





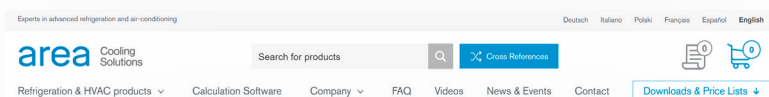
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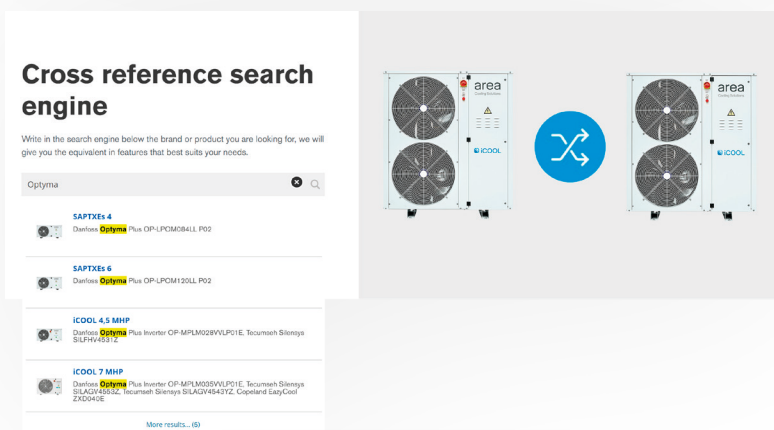
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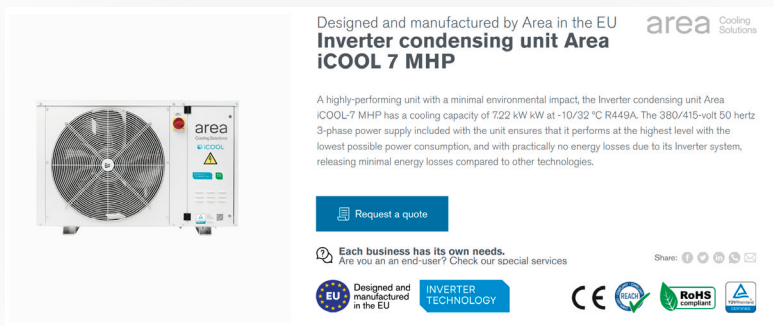


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