DECARBO
NIZE HEAT

R290
ECO Friendly

75 °C

up SCOP to 4.69

SG Ready
Smart Heat Pumps

EFFICIENT, AFFORDABLE, AND ENVIRONMENTALLY FRIENDLY HOME HEATING

Accelerating Decarbonization Through Affordable and Eco-friendly Heat Pumps

Welcome to Decarbo, your trusted partner in providing environmentally friendly heating solutions. With over fifteen years of experience in the refrigeration and heat pump sector, our mission is to accelerate the decarbonization of the heat sector by offering affordable and easy-to-install natural friendly heat pumps. Our German roots reflect our dedication to quality and innovation, ensuring you the highest level of performance and reliability in our products.

Our Warranty - A Commitment to Quality

As a testament to our trust in the quality and durability of our products, we are proud to offer a 4-year warranty on our heat pumps. This warranty reinforces our commitment to providing you with the best heating solutions while giving you the peace of mind that comes with investing in a reliable and efficient home heating system.

BAFA Förderung - Save your money

Affordability is one of our most important principles at Decarbo. For this reason, we would like to inform you that since January 1, 2021, the installation of heat pumps is supported by the Federal Support for Efficient Buildings Individual Measures - BEG EM for short. Investments up to an amount of 60,000 € can be subsidized. If you are planning to replace an existing heating system in your building with one of our heat pumps, you can take advantage of various funding opportunities.

BAFA-
förderfähig

DECARBO
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up SCOP to 4.69

SG Ready
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At Decarbo, we believe in transparency and are committed to delivering the best price-to-quality ratio possible. By collaborating with experienced production partners in China, we can offer our cutting-edge heat pumps at a competitive price without compromising on quality. Our partners have demonstrated their expertise in producing efficient and durable heat pumps, enabling us to provide you with the best solutions on the market at affordable prices.

As a testament to our trust in the quality and durability of our products, we are proud to offer a 4-year warranty on our heat pumps. This warranty reinforces our commitment to providing you with the best heating solutions while giving you the peace of mind that comes with investing in a reliable and efficient home heating system.

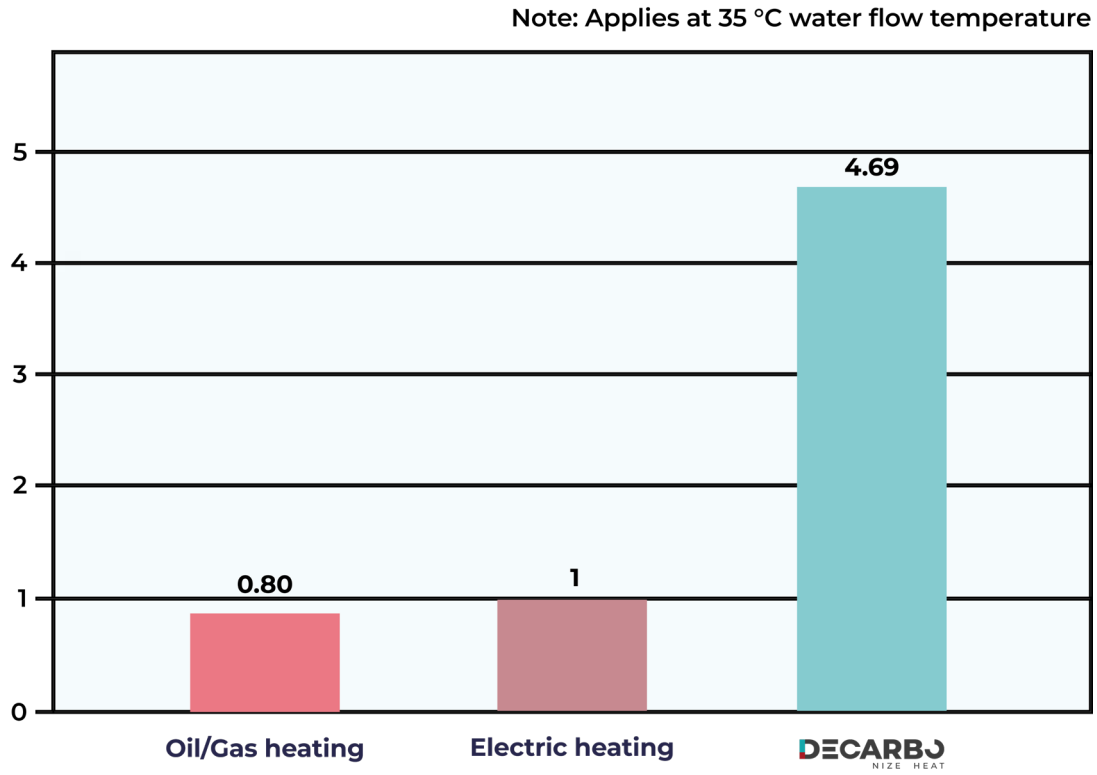
Our commitment to German quality and innovation is evident in every aspect of our business, from our product development to our customer support. When you choose Decarbo, you can be confident that you are making a responsible and environmentally friendly choice for your home heating needs. Together, let's build a greener future and reduce our carbon footprint through efficient and sustainable heating solutions.

How does the use of air as an energy source for energy source for heating and hot water?

Decarbo Eco's energy performance establishes it as a sustainable solution for heating and air conditioning systems.

In European households, heating and hot water account for 79% of energy consumption. With our technology that converts thermal energy from ambient air into heating energy, Decarbo heat pumps make a significant contribution to reducing CO_2 emissions and environmental impact. For example, our air-to-water heat pumps generate about five times the power of conventional electric heating.

Comparison of power output at 1 kW power input



Good reasons for Decarbo Eco air-to-water heat pumps

Perfect solutions for maximum comfort

Our highly efficient Eco appliances provide cozy warmth and optimal comfort in your home.

- Extremely precise temperature control thanks to reliable inverter compressors.
- Decarbo heat pumps provide pleasant coolness in summer, heat in winter and hot water all year round
- Decarbo Eco heat pumps can be used at outdoor temperatures as low as -20 °C
- Energy savings, maximum comfort and easy internet control from anywhere via app

Easy installation

Decarbo Eco heat pumps are air water heat pumps. The systems have only one outdoor unit and do not require refrigerant connection. They are only hydraulically connected to the heating and/or hot water system. Water storage tanks can be ordered as an option Decarbo Eco heat pumps can provide heating, cooling and hot water independently.

- A power range from 8 to 22 kW provides options even for larger buildings, while reducing operating costs
- Decarbo Eco heat pumps can be combined with floor heating, radiators or fan coils
- Integration of Decarbo Eco heat pumps into existing heating systems in renovation and refurbishment projects
- Water flow temperatures up to 65 °C are possible

Energy saving means cost saving

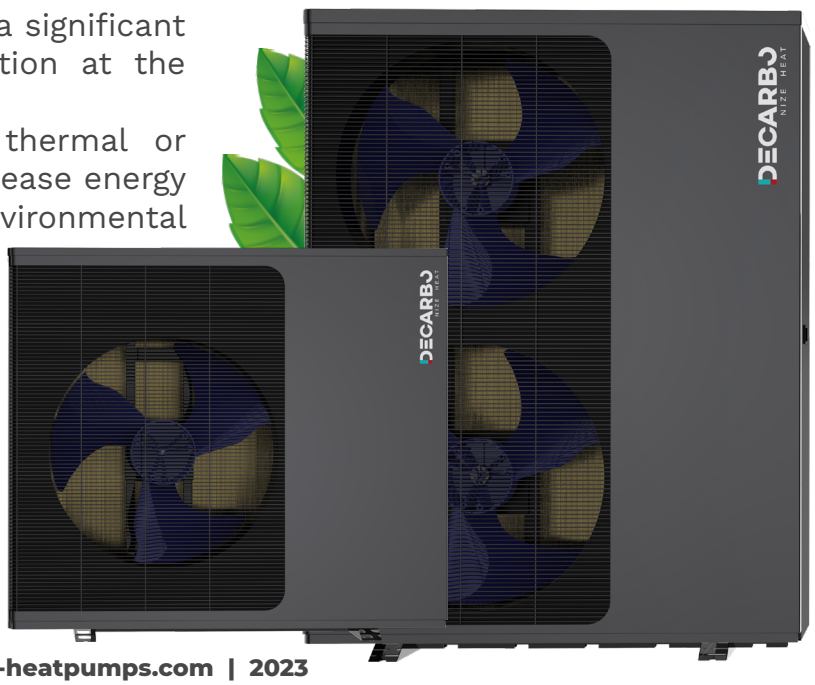
Investing in Eco heat pumps is a wise decision as they provide significant energy savings and therefore direct cost savings on your electricity bill.

- Up to 80% energy savings in space heating compared to electric heating.
- The energy efficiency class is A+++ at 35°C flow temperature and A++ at 55°C flow temperature.
- In combination with photovoltaic systems and Decarbo buffer tanks, the electricity consumption and the energetic benefit of Decarbo Eco heat pump systems can be optimized
- The indoor air quality can be improved and the heating demand of the building can be reduced if residential ventilation is combined

Another step forward on the way to a climate-neutral society

Decarbo Eco air-to-water heat pumps are a powerful and future-oriented heating system. Because this «green» technology uses the ambient air as a sustainable heat source.

- Pleasant room temperatures with a significant reduction in environmental pollution at the same time
- Possibility to integrate a solar thermal or photovoltaic system to further increase energy efficiency and minimize the environmental impact



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Subsidy

Our mission at Decarbo is not only to provide affordable, energy efficient and easy to install heating systems, but also to help reduce our impact on the environment. Our heat pumps rely on the natural refrigerant R290, which is considered more environmentally friendly and efficient than many other refrigerants.

Decarbo heat pumps are always equipped with the SG-Ready label. This means that our units are able to intelligently connect to the power grid and respond to its load situation. This helps to avoid grid bottlenecks and make optimal use of renewable energy - a real win-win situation for you and the environment.

Affordability is one of our most important principles at Decarbo. For this reason, we would like to inform you that since January 1, 2021, the installation of heat pumps is supported by the Federal Support for Efficient Buildings Individual Measures - BEG EM for short. Investments up to an amount of 60,000 € can be subsidized. If you are planning to replace an existing heating system in your building with one of our heat pumps, you can take advantage of various funding opportunities.

Not only does the BEG EM subsidize the replacement of a heating system with a heat pump or the installation of a heat pump for heating support with a maximum of €15,000 (subsidy rate 25%), but there is also an additional subsidy bonus if you use a natural refrigerant such as the R290 used in our Decarbo heat pumps (5%, max. €3,000). Should you replace an oil, gas, gas floor, coal or night storage heating system with one of our heat pumps, you could benefit from a further subsidy bonus of a maximum of €6,000 (subsidy rate 10%).

In addition to these financial incentives, all Decarbo heat pumps meet the necessary efficiency criteria. They achieve a «seasonal space heating energy efficiency» of at least 135% at 35 degrees water supply temperature and 120% at 55 degrees water supply temperature.

Take the opportunity to make your home more environmentally friendly and save money at the same time. Choose Decarbo's smart and energy-efficient heat pumps!

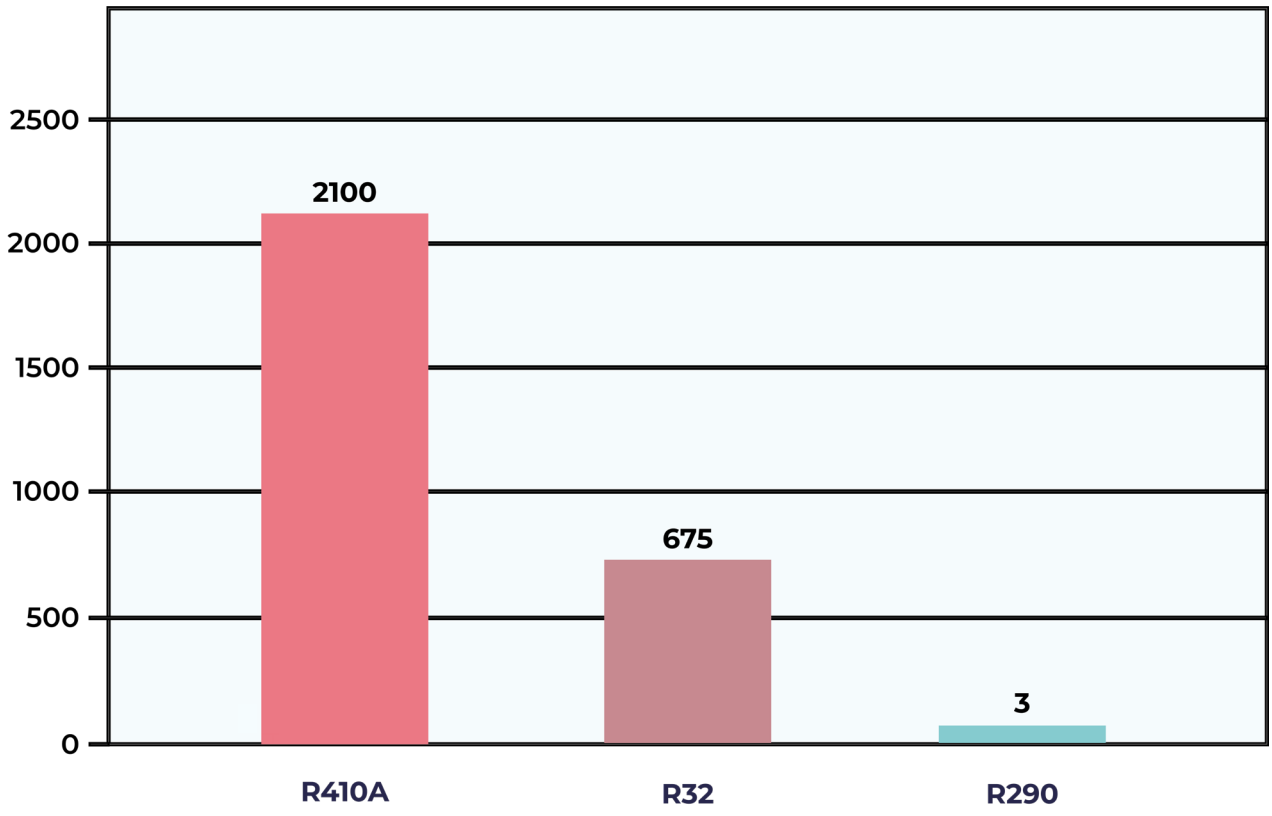
Type of individual measure	Funding rate	Maximum funding amount
Replacing a heating system with a Decarbo heat pump or installing a Decarbo heat pump to support the heating system	25%	15 000 €
Subsidy bonus for using the natural refrigerant R290 in Decarbo heat pumps	5%	3000 €
Subsidy bonus for replacing an oil, gas, gas-fired, coal or night storage heating system with a Decarbo heat pump	10%	6000 €

Advantages of R290 Refrigerant

High efficiency

Environmentally friendly

Best performance



Heat pumps are an environmentally friendly solution for heating, as they do not rely on the consumption of fossil fuels to generate heat. Instead, they efficiently extract heat from the surrounding environment and transfer it to where it is needed. A crucial component of heat pump systems is the refrigerant, and Decarbo's choice of R290 (propane) offers an especially forward-thinking and sustainable solution - free from PFAS.

R290 is a natural refrigerant that sets itself apart from synthetic refrigerants due to its extremely low Global Warming Potential (GWP) of just 3, making it a far more environmentally responsible option. Many traditional refrigerants have a GWP in the thousands, contributing significantly to greenhouse gas emissions when released. By utilizing R290, Decarbo's heat pumps actively reduce their environmental impact and play a part in the global fight against climate change.

In addition to its outstanding environmental benefits, R290 offers several advantages in terms of performance and efficiency:

Excellent thermal properties: R290's superior heat transfer capabilities enable Decarbo heat pumps to operate more efficiently, reducing energy consumption and resulting in lower utility bills for homeowners.

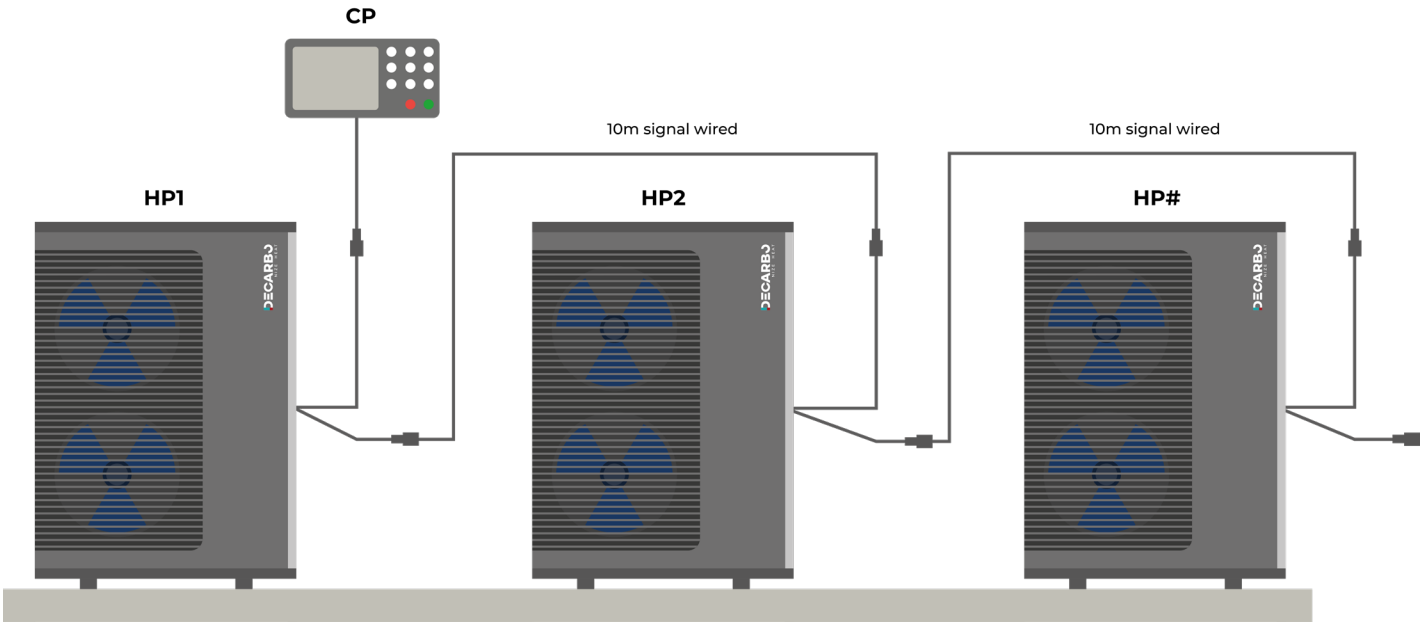
Wide operating temperature range: R290 performs exceptionally well in a broad range of temperatures, ensuring consistent and reliable heating performance even in extreme weather conditions.

Safety: Although propane is flammable, the small amount of R290 used in heat pumps and the careful design of the system minimize any safety risks. R290 has been safely utilized in refrigeration and air conditioning applications worldwide for many years.

By choosing a Decarbo heat pump with R290 refrigerant, you are not only investing in an environmentally responsible and sustainable heating solution but also enjoying the benefits of a highly efficient and reliable system designed with the future in mind.

Cascade System - Up to 16 Units

- **Customizable for different needs**
- **Efficient operation and control**



HP1 - Heat Pump 1
HP2 - Heat Pump 2
HP3 - Heat Pump 3
CP - Control Panel

Remote Control App & Cloud Connectivity

- **Monitor and control your heat pump from anywhere**
- **Connect to the cloud for updates and energy management**

Nederlands
Deutsch
Svenska
Čeština
Polski
Français
Español
Italiano
Russian
Slovenčina

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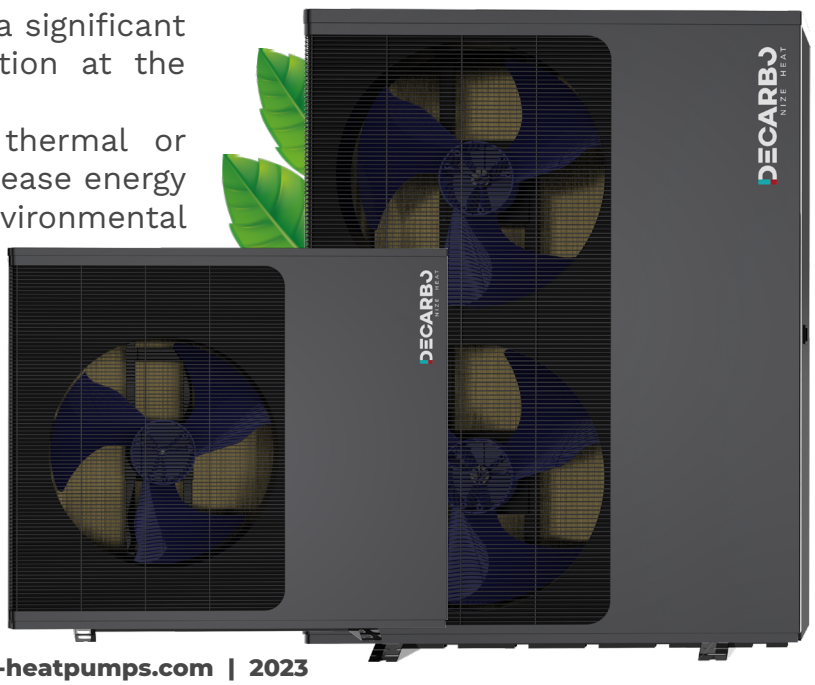

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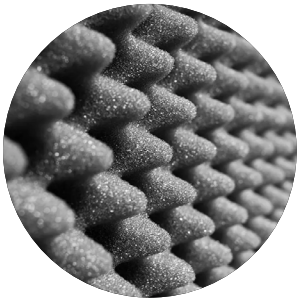
Super Quiet Operation



The device uses a special three-layer sound-absorbing absorbent cotton in combination with Decarbo's multiple noise reduction technology, so that the device can work smoothly and quietly without mechanical noise.

Several methods for noise reduction

Decarbo's full DC inverter technology combines the unit's special airflow design, casing design, damping design and tube welding technology, and uses internationally renowned brand damping components, so that the noise level of the unit is less than 47 dB.

47

dB(A)

The three-layer sound insulation cotton has the functions of sound absorption, sound insulation and noise reduction, and its noise reduction ability is stronger than that of ordinary sound insulation cotton.

Modulating Inverter Compressor

- **Modular Heat Pumps with Full Inverter Compressors**

Full inverter technology, often referred to as modular heat pumps, is an innovative solution that allows units to intelligently adjust their operating frequency and control water temperature for maintaining a constant and comfortable room temperature. This advanced technology offers significant energy savings compared to traditional ON-OFF units and boiler electric heat pumps.

By using full inverter technology, modular heat pumps can save up to 50% energy compared to ON-OFF units, and up to an impressive 75% energy when compared to traditional boiler electric heat pumps. These energy savings not only result in lower utility bills for homeowners but also contribute to a reduced environmental impact.

The intelligent adjustment of operating frequency and precise control of water temperature provided by full inverter compressors ensures that the heat pump operates at its most efficient point, eliminating energy waste and providing consistent, comfortable heating performance.

In summary, modular heat pumps with full inverter compressors offer an advanced, energy-efficient solution for home heating, resulting in both financial savings and a reduced carbon footprint. By choosing a heat pump equipped with full inverter technology, you are investing in an innovative and sustainable heating system that is designed to meet the demands of a greener future.

Smart Grid Ready (SG Ready)

The SG Ready-Label is awarded exclusively to heat pumps that feature control systems capable of integrating with intelligent power grids.

For example, during the summer, the Decarbo Eco Series Monoblock unit receives the SG-Ready signal when there is an excess of electricity, and the battery storage is fully charged. In response, the unit immediately initiates the cooling process.

The practical advantage of this feature is that your storage remains fully charged, allowing you to efficiently use your self-generated electricity for cooling your building. With the Decarbo Eco Series heat pump, you can optimize your energy consumption while enjoying a comfortable indoor climate.

Decarbo Heat Pumps ECO030 & ECO040

BAFA-förderfähig

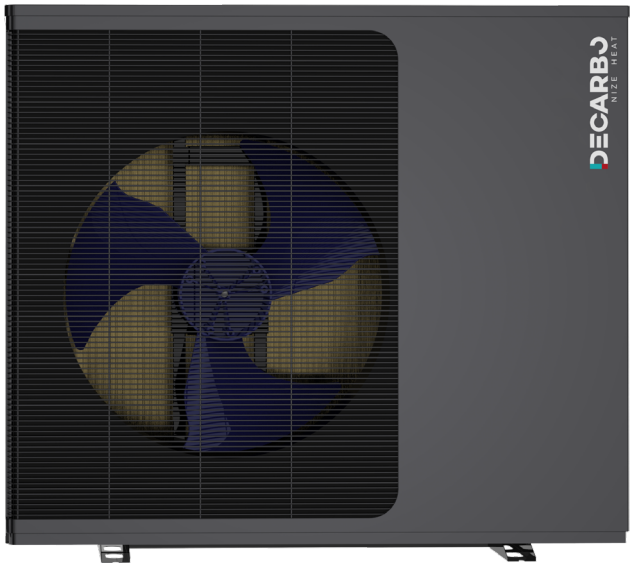
COOLING MODE

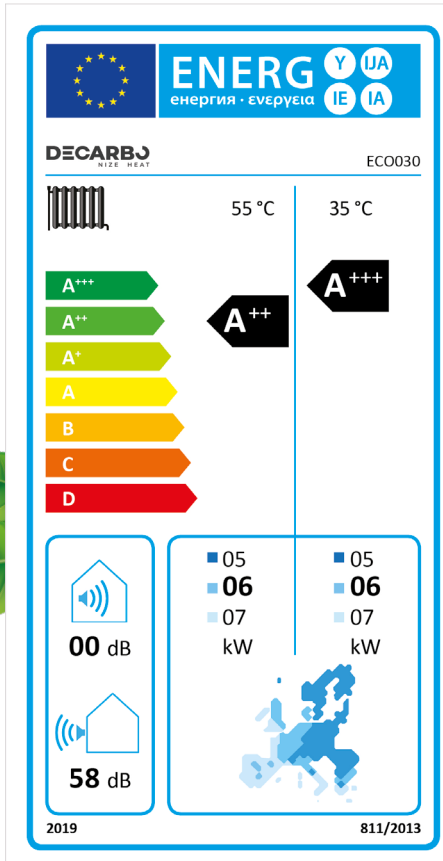
HEATING MODE

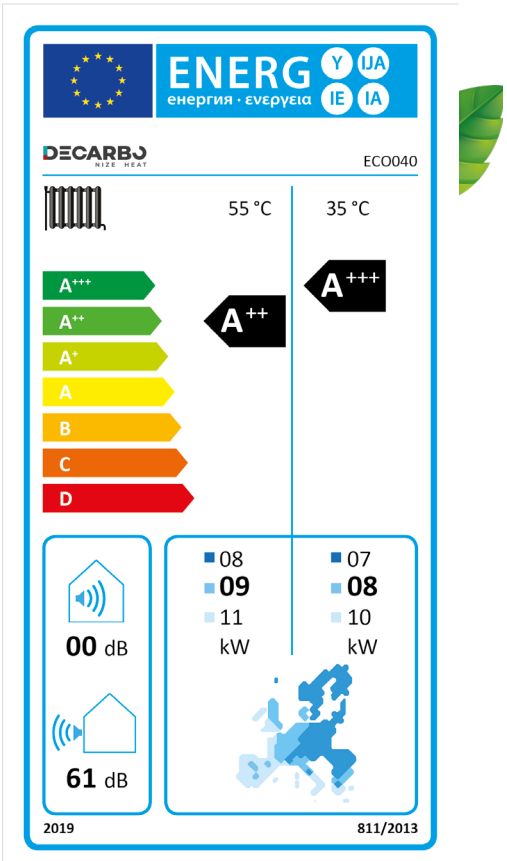
HOT WATER MODE

A+++ | 4 YEAR GUARANTEE | R290 ECO Friendly | up SCOP to 4.69 | SG Ready

	ECO030	ECO040
Power range	3.3~8.3	4.5~11.4
SCOP 35°C	4.64	4.65
SCOP 55°C	3.48	3.37
Power supply	230V/1Ph/50Hz/60Hz	
Refrigerant	R290	
Heated water output (L/H)	159	219
ErP Level (35°C)	A+++	
ErP Level (55°C)	A++	
Net Weight (kg)	108	120
Noise dB(A)	≤47	≤50
Operation Ambient Temp. (°C)	-25~43	
Operating water Temp. (°C)	20~65(DHW)	
Operating water Temp. (°C)	20~70(Heating)	
Operating water Temp. (°C)	7~35(Cooling)	







Decarbo Heat Pumps ECO050 & ECO060

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COOLING MODE

HEATING MODE

HOT WATER MODE

A+++

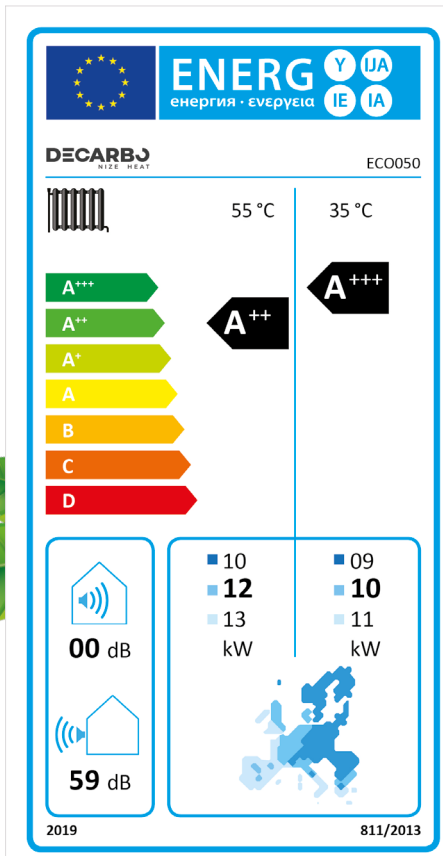
4 GUARANTEE YEAR

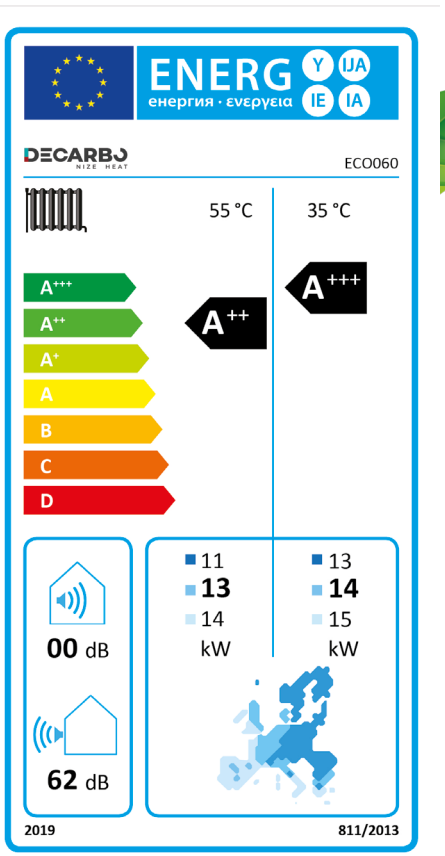
R290 ECO Friendly

up SCOP to 4.69

SG Ready

	ECO050	ECO060
Power range	5.9~14.8	8.8~22.0
SCOP 35°C	4.6	4.69
SCOP 55°C	3.44	3.55
Power supply	380V/3Ph/50-60Hz	
Refrigerant	R290	
Heated water output (L/H)	283	377
ErP Level (35°C)	A+++	
ErP Level (55°C)	A++	
Net Weight (kg)	132	170
Noise dB(A)	≤52	≤53
Operation Ambient Temp. (°C)	-25~43	
Operating water Temp. (°C)	20~65(DHW)	
Operating water Temp. (°C)	20~70(Heating)	
Operating water Temp. (°C)	7~35(Cooling)	





Key features and technical specifications

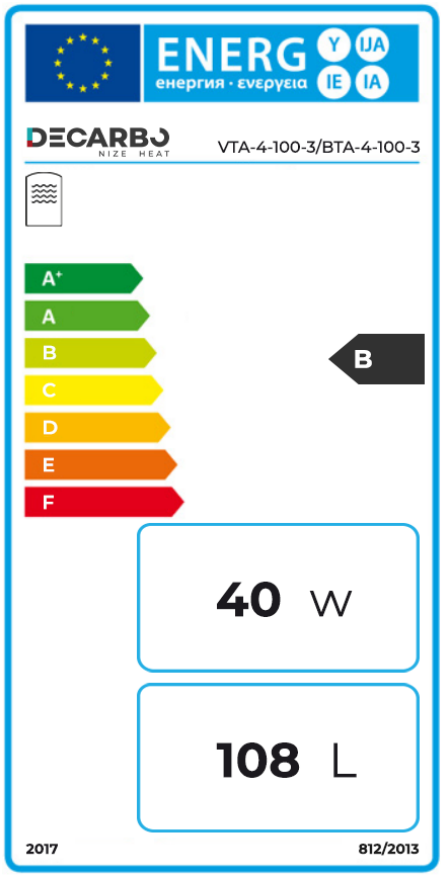
	ECO030	ECO040	ECO050	ECO060
Heating Condition - Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):30/35°C				
Heating capacity range (kw)	3.3~8.3	4.5~11.4	5.9~14.8	8.8~22.0
Heating input range (kw)	0.64~2.18	0.85~2.95	1.13~3.83	1.68~5.77
SCOP	4.64	4.65	4.6	4.69
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C				
Heating Capacity Range (kW)	3.7~7.4	5.2~10.2	6.6~13.2	7.8~17.6
Heating Power Input Range(kW)	0.79~2.10	1.10~2.87	1.41~3.73	1.67~5.01
SCOP	3.48	3.37	3.44	3.55
Heated water output (L/H)	159	219	283	377
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C				
Cooling Capacity Range (kW)	2.4~5.8	3.3~8.2	4.3~10.8	6.2~15.3
Cooling Power Input Range(kW)	0.79~2.19	1.08~3.07	1.39~3.99	1.99~5.60
EER Range	2.65~3.04	2.67~3.06	2.71~3.10	2.73~3.12
ErP Level (35°C)	A+++	A+++	A+++	A+++
ErP Level (55°C)	A++	A++	A++	A++
Refrigerant	R290			
Power supply	230V/1Ph/50Hz/60Hz		380V/3Ph/50-60Hz	
Diameter of pipe (mm)	DN25	DN25	DN25	DN25
Max water head (m)	9	9	9	12
Noise dB(A)	≤47	≤50	≤52	≤53
Net Weight (kg)	108	120	132	170
Net Dimension (L/W/H) mm				
Operation Ambient Temp. (°C)	-25~43			
Operating water temperature (°C)	20~65(DHW)			
Operating water temperature (°C)	20~70(Heating)			
Operating water temperature (°C)	7~35(Cooling)			

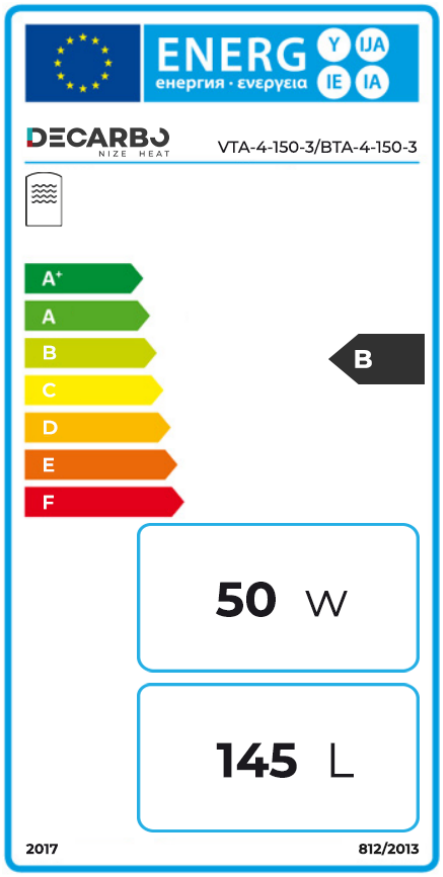
Decarbo Buffer Tanks VTA-4-100-3/BTA-4-100-3

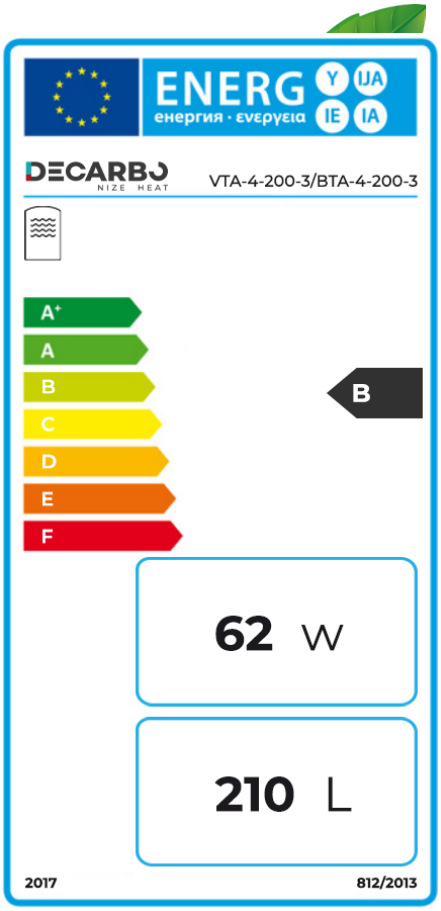
6 bar -10-95°C

COLD HEAT MODE

		VTA-4-100-3	VTA-4-150-3	VTA-4-200-3
Volume		100	150	200
Energy class		B	B	B
Dimensions, mm	H	980	1280	1340
	øD1	510	510	590
	øD	400	400	480
Fixing dimensions, mm	h1	190	190	220
	h2	390	490	545
	h3	590	790	795
	h4	790	1090	1120
	h5	175	175	205
	h6	290	290	355
	h7	690	890	895
	h8	765	1065	1095
	h9	540	640	670








DECARBO

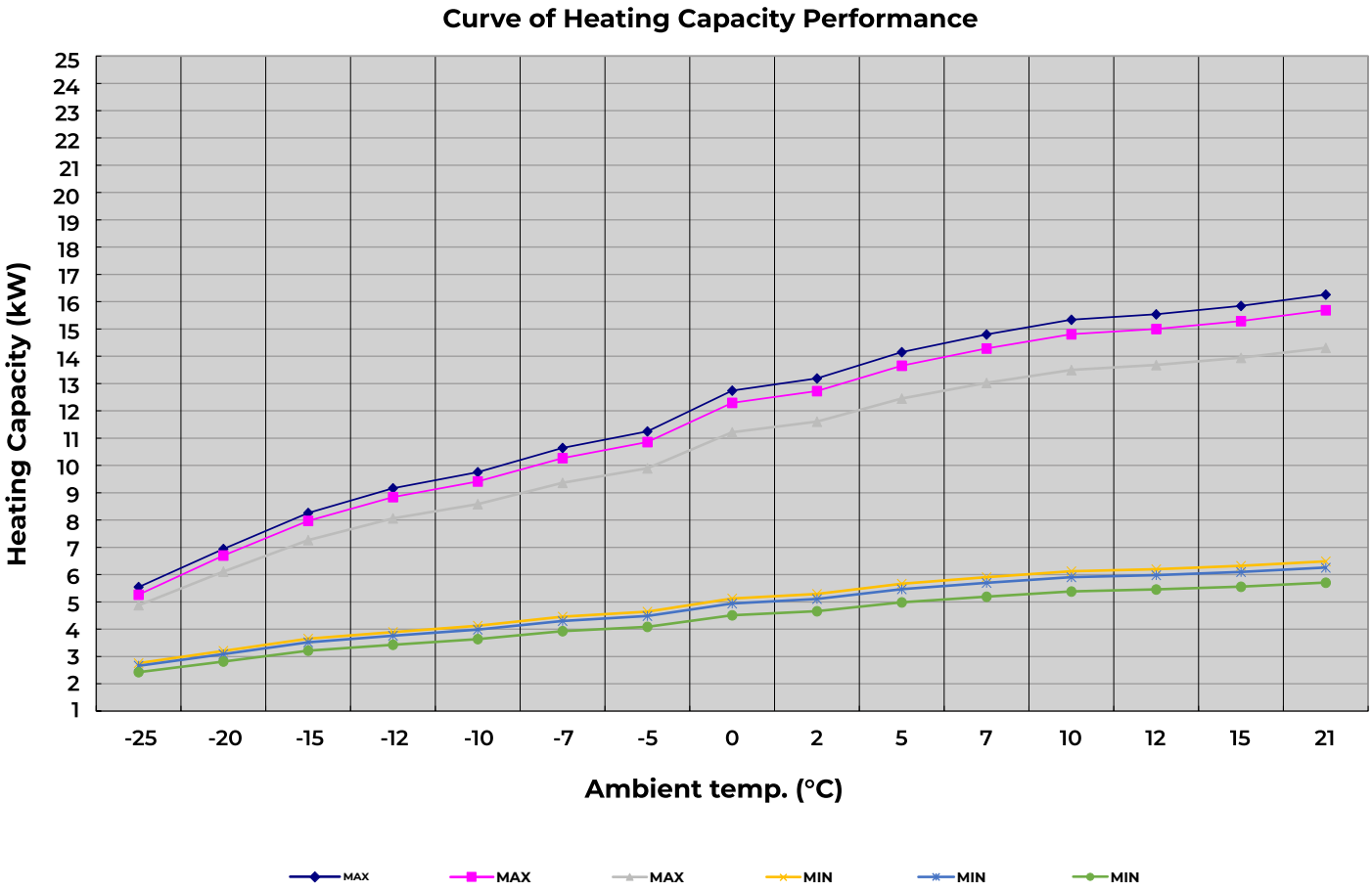
Technical data Decarbo ECO030 | For heating

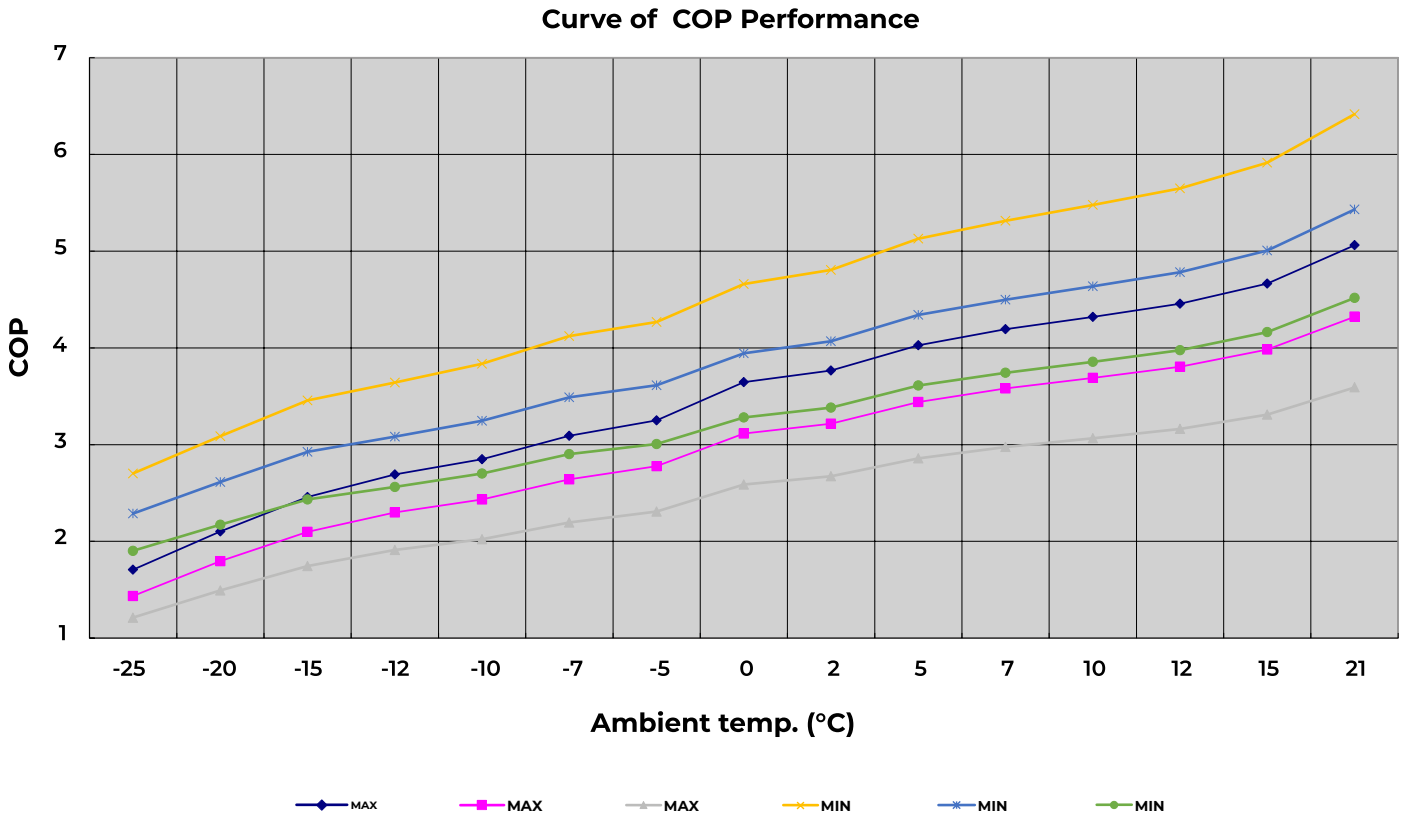
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 35(°C)	MAX	Heating capacity (kW)	3,3	4,2	5,0	5,5	5,9	6,4	6,8	7,7	7,9	8,5	8,9	9,2	9,3	9,5	9,8
		Input power (kW)	1,96	1,99	2,03	2,05	2,07	2,08	2,09	2,11	2,11	2,12	2,13	2,14	2,10	2,05	1,94
		COP	1,70	2,10	2,45	2,68	2,84	3,08	3,24	3,63	3,75	4,01	4,18	4,31	4,44	4,65	5,04
	MIN	Heating capacity (kW)	1,7	2,0	2,2	2,4	2,5	2,7	2,8	3,1	3,2	3,5	3,6	3,7	3,8	3,9	4,0
		Input power (kW)	0,63	0,64	0,65	0,66	0,66	0,66	0,67	0,67	0,67	0,68	0,68	0,68	0,67	0,65	0,62
		COP	2,69	3,07	3,44	3,63	3,82	4,10	4,25	4,64	4,79	5,11	5,29	5,46	5,63	5,89	6,39
Water temp. outlet 45(°C)	MAX	Heating capacity (kW)	3,2	4,0	4,8	5,3	5,7	6,2	6,5	7,4	7,7	8,2	8,6	8,9	9,0	9,2	9,4
		Input power (kW)	2,21	2,25	2,29	2,32	2,33	2,35	2,36	2,38	2,39	2,39	2,41	2,42	2,38	2,32	2,19
		COP	1,43	1,79	2,09	2,29	2,42	2,63	2,77	3,10	3,20	3,43	3,57	3,68	3,79	3,97	4,31
	MIN	Heating capacity (kW)	1,6	1,9	2,2	2,3	2,5	2,6	2,7	3,0	3,1	3,3	3,5	3,6	3,6	3,7	3,8
		Input power (kW)	0,71	0,72	0,74	0,75	0,75	0,76	0,76	0,77	0,77	0,77	0,78	0,78	0,77	0,75	0,71
		COP	2,28	2,60	2,91	3,07	3,23	3,47	3,60	3,93	4,05	4,32	4,48	4,62	4,76	4,99	5,41
Water temp. outlet 55(°C)	MAX	Heating capacity (kW)	2,9	3,7	4,4	4,8	5,2	5,6	6,0	6,7	7,0	7,5	7,8	8,1	8,2	8,4	8,6
		Input power (kW)	2,43	2,47	2,51	2,55	2,56	2,58	2,59	2,61	2,62	2,63	2,64	2,66	2,61	2,54	2,40
		COP	1,21	1,49	1,74	1,90	2,01	2,19	2,30	2,58	2,66	2,85	2,97	3,06	3,15	3,30	3,58
	MIN	Heating capacity (kW)	1,5	1,7	2,0	2,1	2,2	2,4	2,5	2,7	2,8	3,0	3,2	3,3	3,3	3,4	3,5
		Input power (kW)	0,78	0,79	0,81	0,82	0,82	0,83	0,83	0,84	0,84	0,85	0,85	0,86	0,84	0,82	0,77
		COP	1,89	2,16	2,42	2,55	2,69	2,89	2,99	3,27	3,37	3,60	3,73	3,84	3,96	4,15	4,50
Water temp. outlet 60(°C)	MAX	Heating capacity (kW)	2,7	3,4	4,0	4,5	4,8	5,2	5,5	6,2	6,4	6,9	7,2	7,5	7,6	7,7	7,9
		Input power (kW)	2,58	2,62	2,67	2,70	2,72	2,73	2,74	2,77	2,78	2,79	2,80	2,82	2,77	2,69	2,55
		COP	1,05	1,29	1,51	1,65	1,75	1,90	2,00	2,24	2,31	2,47	2,57	2,65	2,74	2,86	3,11
	MIN	Heating capacity (kW)	1,4	1,6	1,8	1,9	2,0	2,2	2,3	2,5	2,6	2,8	2,9	3,0	3,1	3,1	3,2
		Input power (kW)	0,83	0,84	0,85	0,87	0,87	0,88	0,88	0,89	0,89	0,89	0,90	0,90	0,89	0,86	0,82
		COP	1,65	1,89	2,11	2,23	2,34	2,52	2,61	2,85	2,94	3,13	3,25	3,35	3,45	3,61	3,92
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21

Technical data Decarbo ECO030 | For heating

Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 65(°C)	MAX	Heating capacity (kW)	-	3,1	3,7	4,1	4,4	4,8	5,1	5,7	5,9	6,4	6,7	6,9	7,0	7,1	7,3
		Input power (kW)	-	2,75	2,80	2,83	2,85	2,87	2,88	2,91	2,92	2,92	2,94	2,96	2,90	2,83	2,67
		COP	-	1,14	1,33	1,46	1,54	1,67	1,76	1,97	2,04	2,18	2,27	2,34	2,41	2,53	2,74
	MIN	Heating capacity (kW)	-	1,5	1,7	1,8	1,9	2,0	2,1	2,3	2,4	2,6	2,7	2,8	2,8	2,9	3,0
		Input power (kW)	-	0,89	0,91	0,92	0,92	0,93	0,93	0,94	0,94	0,95	0,95	0,95	0,94	0,92	0,87
		COP	-	1,65	1,84	1,94	2,05	2,20	2,28	2,49	2,56	2.74	2,84	2,92	3,01	3,16	3,42
Water temp. outlet 70(°C)	MAX	Heating capacity (kW)	-	-	3,4	3,8	4,0	4,4	4,7	5,3	5,5	5,9	6,1	6,4	6,4	6,6	6,7
		Input power (kW)	-	-	2,87	2,91	2,92	2,94	2,95	2,98	2,99	3,00	3,01	3,03	2,98	2,90	2,74
		COP	-	-	1,19	1,31	1,38	1,50	1,58	1,77	1,83	1,96	2,04	2,10	2,17	2,27	2,46
	MIN	Heating capacity (kW)	-	-	1,5	1,6	1,7	1,9	2,0	2,2	2,2	2,4	2,5	2,6	2,6	2,7	2,7
		Input power (kW)	-	-	0,92	0,93	0,94	0,94	0,95	0,96	0,96	0,96	0,97	0,97	0,96	0,93	0,88
		COP	-	-	1,67	1,76	1,85	1,99	2,06	2,25	2,32	2.47	2,56	2,64	2,72	2,85	3,09
Water temp. outlet 75(°C)	MAX	Heating capacity (kW)	-	-	-	-	-	4,0	4,3	4,8	5,0	5,4	5,6	5,8	5,9	6,0	6,2
		Input power (kW)	-	-	-	-	-	3,01	3,03	3,06	3,06	3,07	3,09	3,11	3,05	2,97	2,81
		COP	-	-	-	-	-	1,34	1,41	1,58	1,63	1,74	1,82	1,87	1,93	2,02	2,19
	MIN	Heating capacity (kW)	-	-	-	-	-	1,7	1,8	2,0	2,0	2,2	2,3	2,4	2,4	2,4	2,5
		Input power (kW)	-	-	-	-	-	0,96	0,97	0,98	0,98	0,98	0,99	0,97	0,95	0,95	0,90
		COP	-	-	-	-	-	1,78	1,85	2,02	2,02	2.22	2,30	2,37	2,44	2,56	2,78
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21

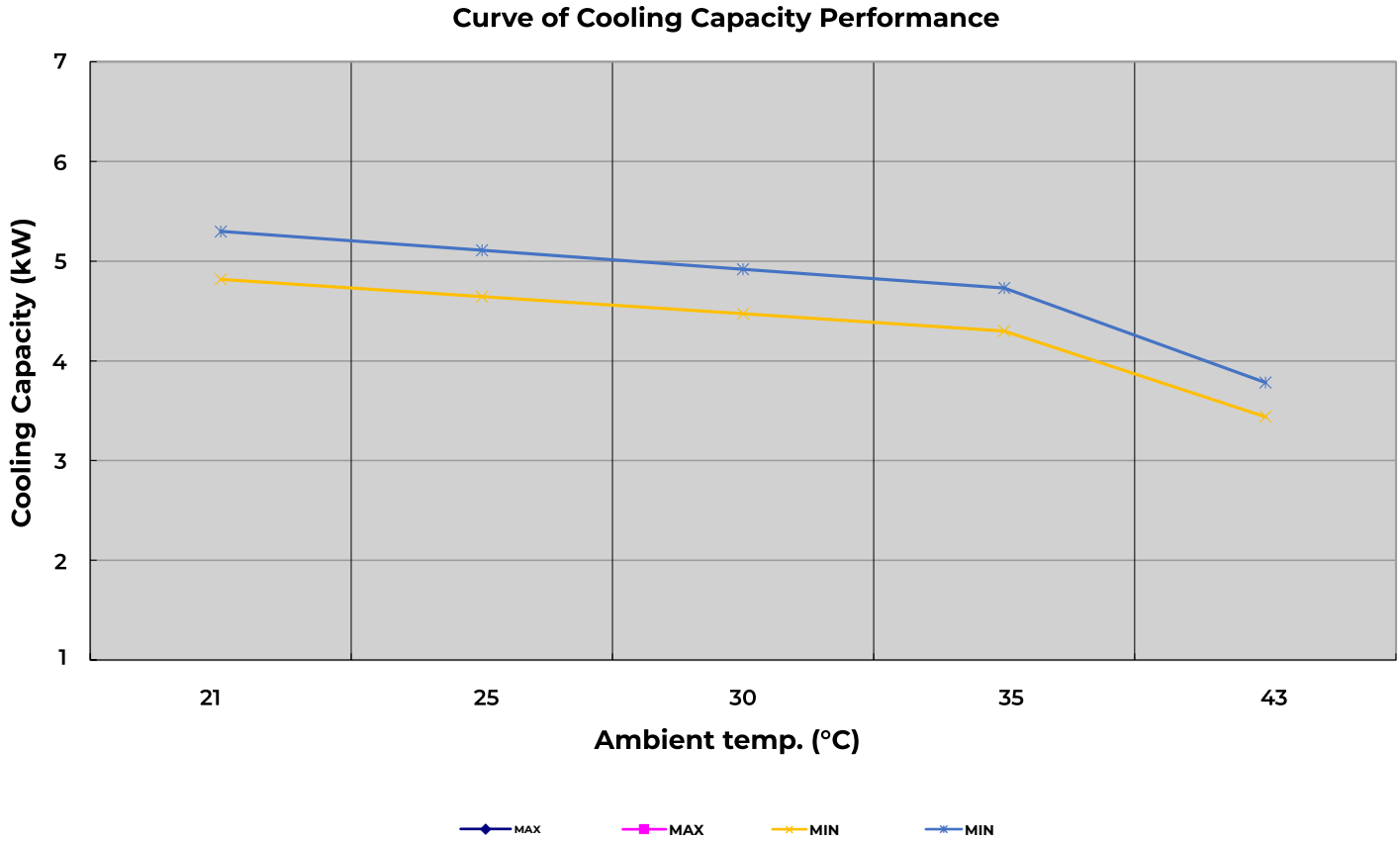
Technical data Decarbo ECO030 | For heating



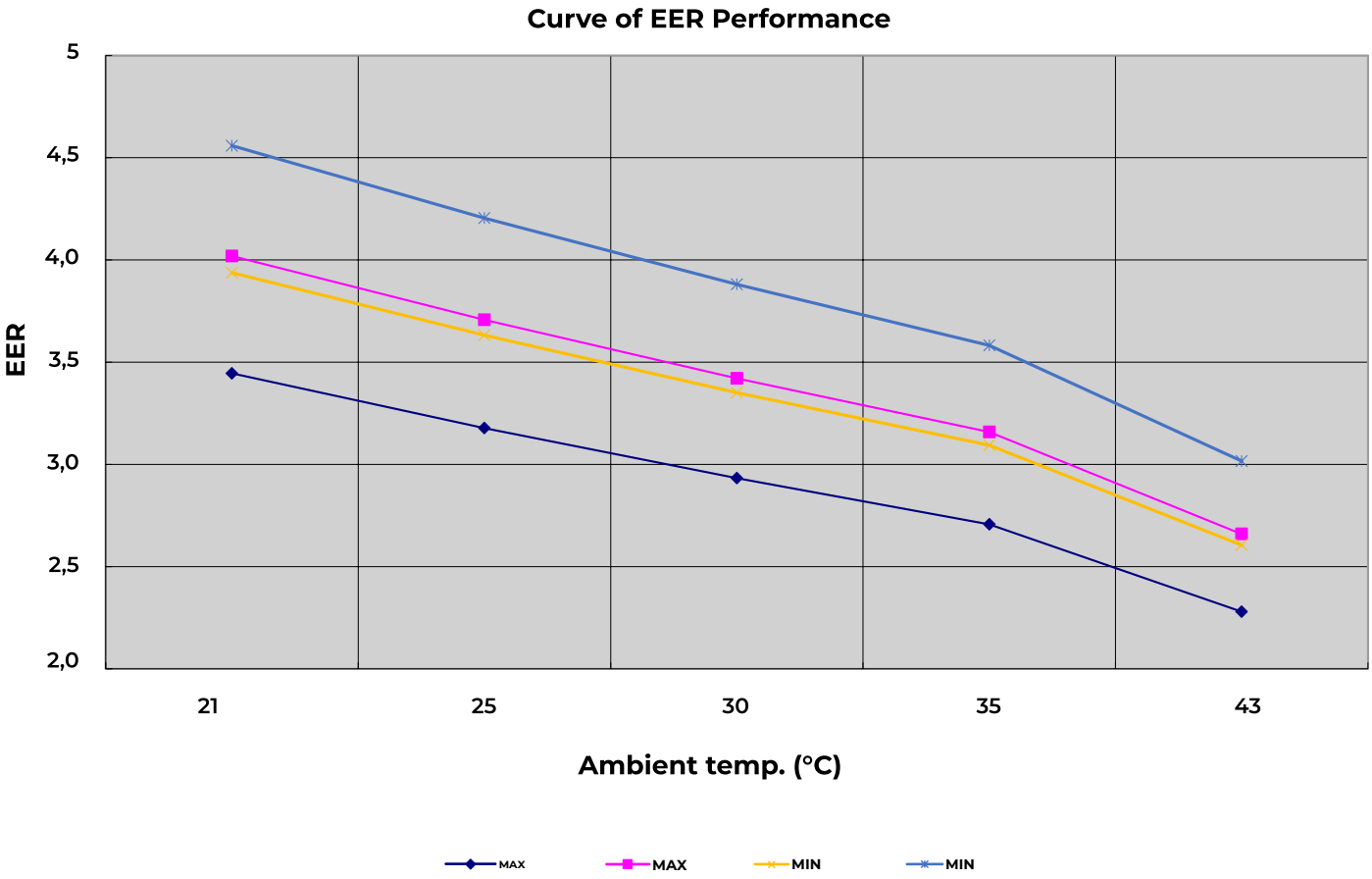


Technical data Decarbo ECO030 | For cooling

Ambient temp.(°C)			21	25	30	35	43
Water temp. outlet 7(°C)	MAX	Heating capacity (kW)	6,5	6,3	6,0	5,8	4,6
		Input power (kW)	1,93	2,01	2,10	2,19	2,08
		COP	3,37	3,11	2,87	2,65	2,23
	MIN	Heating capacity (kW)	2,7	2,6	2,5	2,4	1,9
		Input power (kW)	0,70	0,73	0,76	0,79	0,75
		COP	3,87	3,57	3,29	3,04	2,56
Water temp. outlet 7(°C)	MAX	Heating capacity (kW)	6,8	6,6	6,3	6,1	4,9
		Input power (kW)	1,73	1,81	1,89	1,97	1,87
		COP	3,93	3,63	3,35	3,09	2,60
	MIN	Heating capacity (kW)	3,0	2,9	2,7	2,6	2,1
		Input power (kW)	0,66	0,69	0,72	0,75	0,71
		COP	4,48	4,13	3,81	3,52	2,96



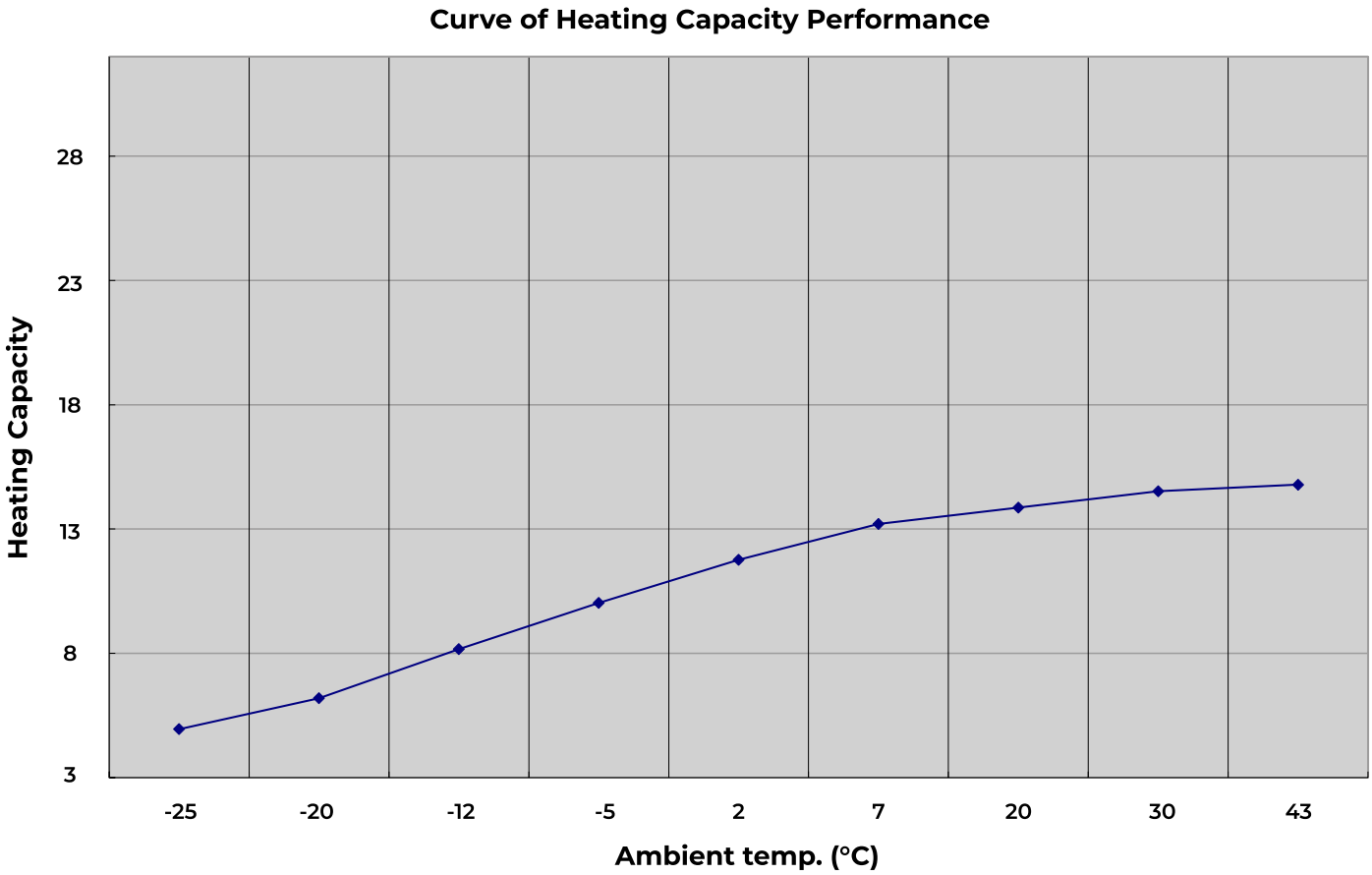
Technical data Decarbo ECO030 | For cooling

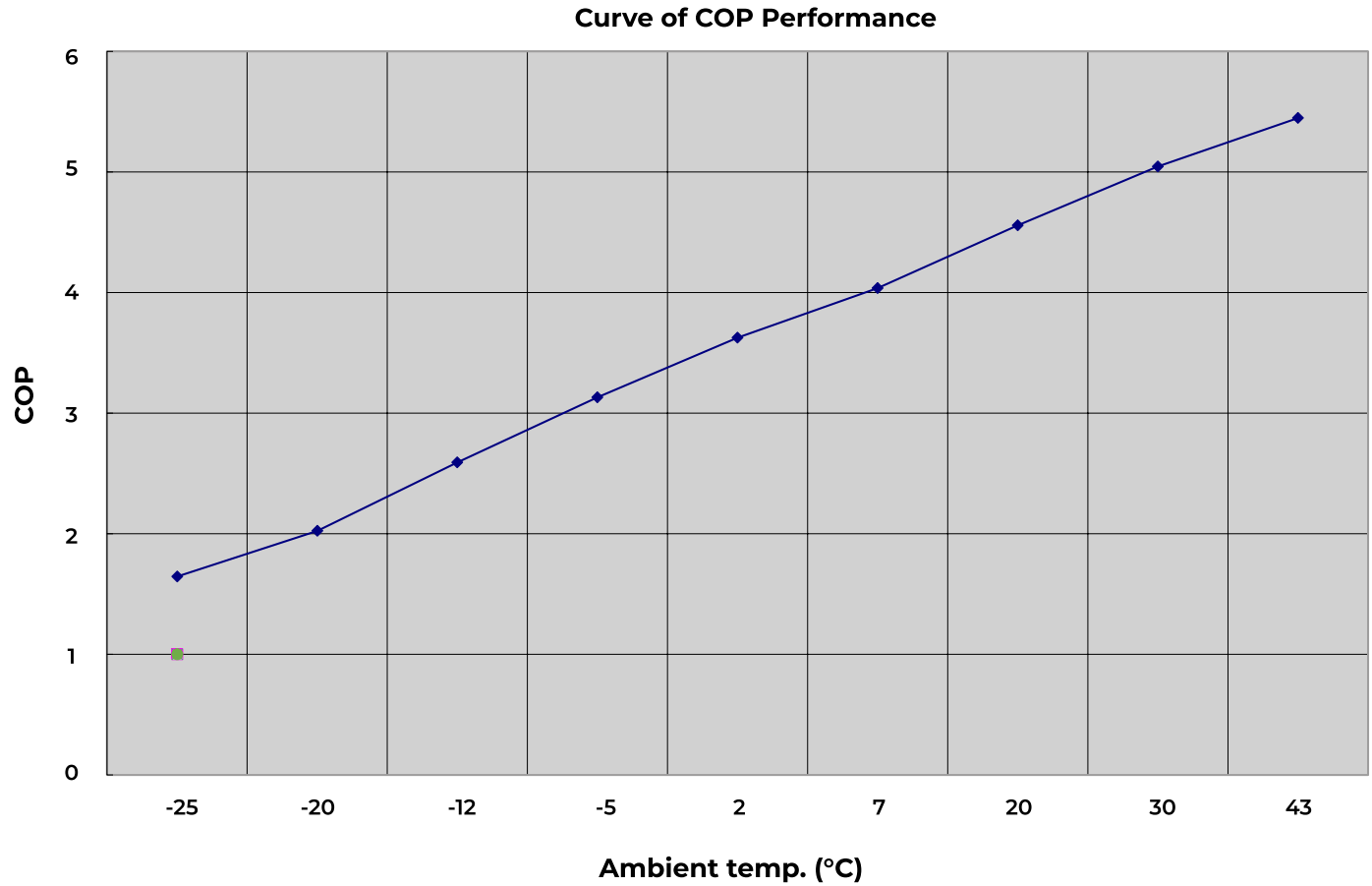


Technical data Decarbo ECO030 | For DHW

Heating capacity (kW)	3,2	4,0	4,8	5,3	5,7	6,2	6,5	7,4	7,7
Input power (kW)	2,21	2,25	2,29	2,32	2,33	2,35	2,36	2,38	2,39
COP	1,43	1,79	2,09	2,29	2,42	2,63	2,77	3,10	3,20
Ambient temp (°C)	1,6	1,9	2,2	2,3	2,5	2,6	2,7	3,0	3,1

Technical data Decarbo ECO030 | For DHW





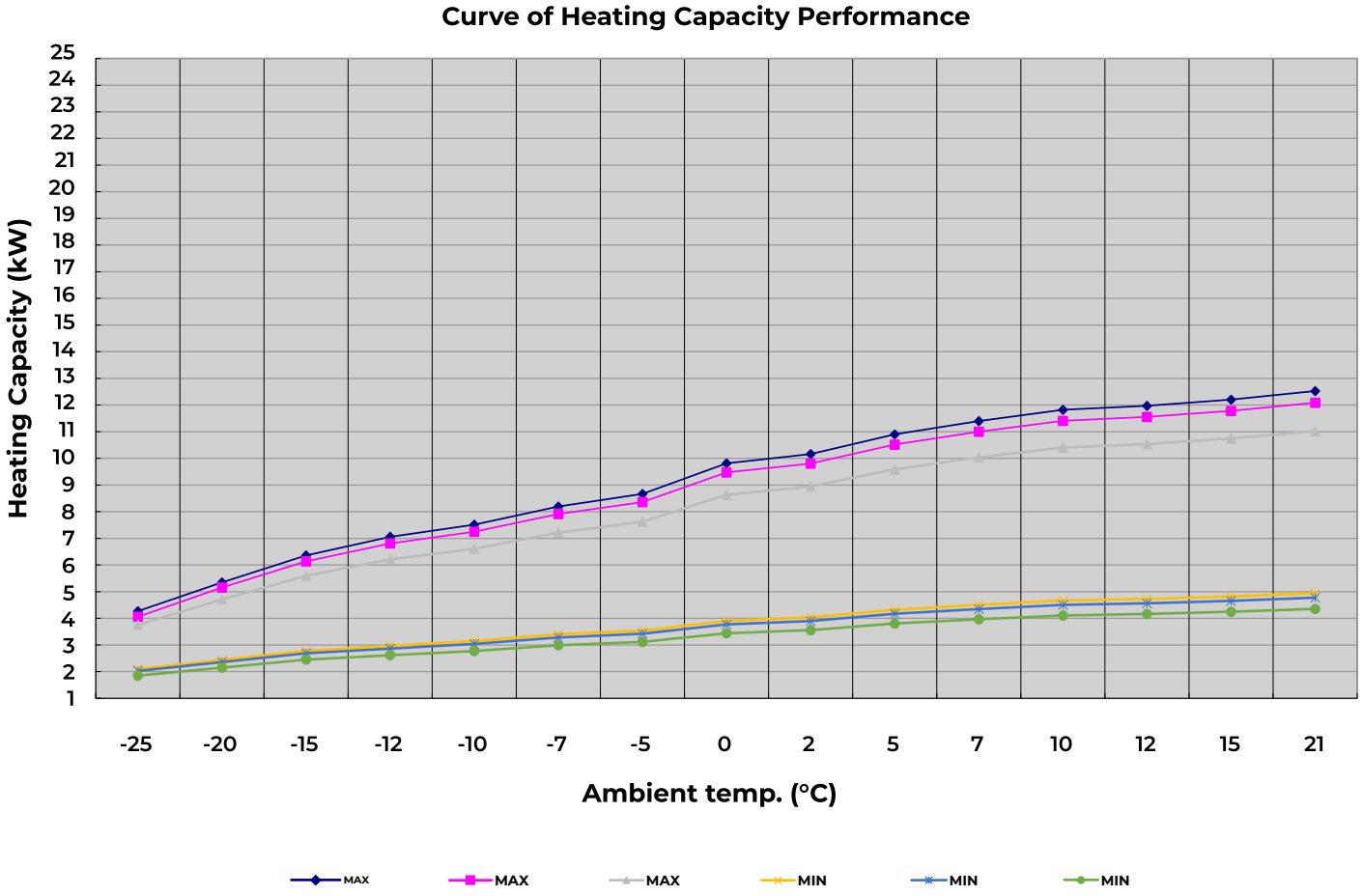
Technical data Decarbo ECO040 | For heating

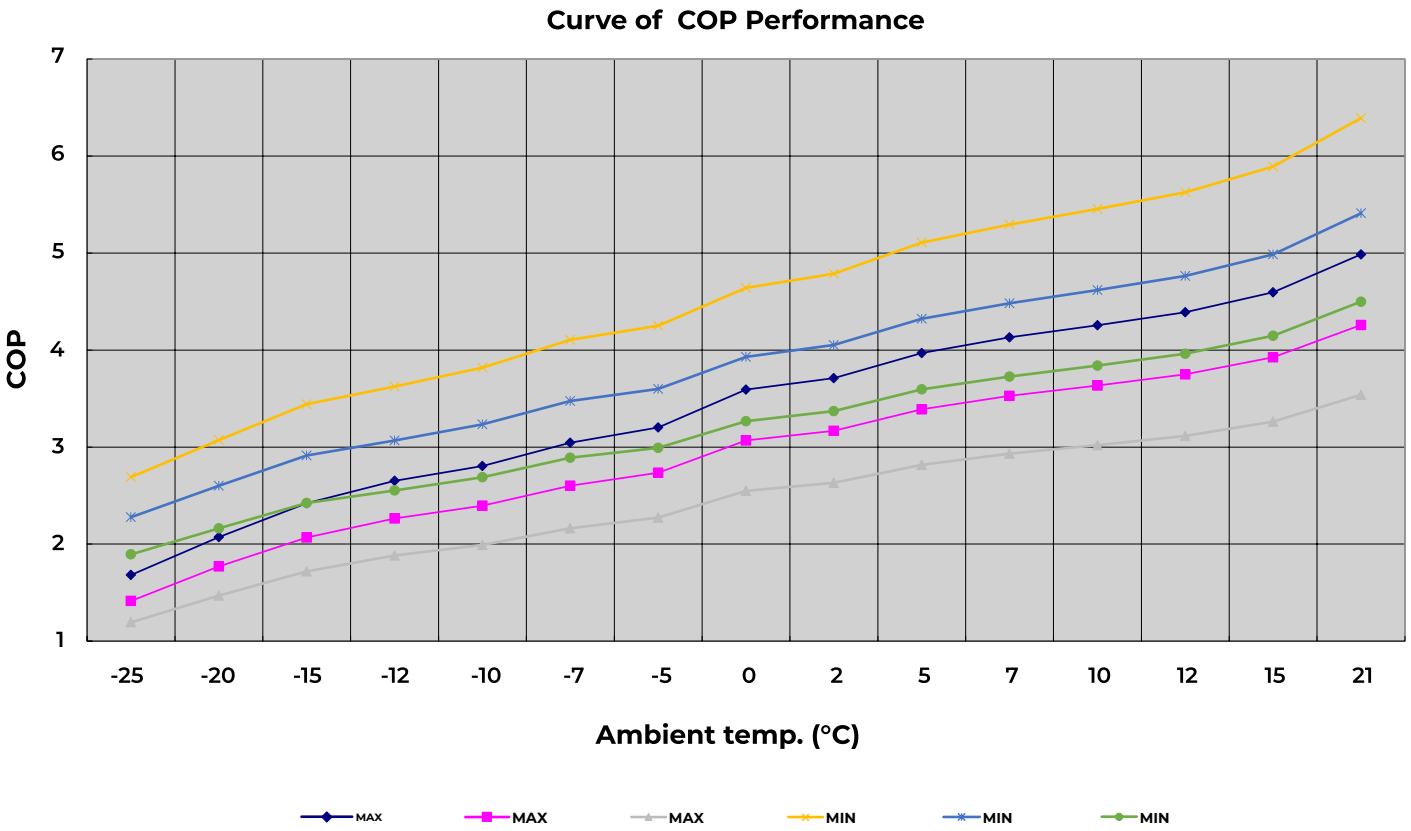
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 35(°C)	MAX	Heating capacity (kW)	4,3	5,3	6,4	7,1	7,5	8,2	8,7	9,8	10,2	10,9	11,4	11,8	12,0	12,2	12,5
		Input power (kW)	2,54	2,58	2,63	2,66	2,68	2,69	2,70	2,73	2,74	2,75	2,76	2,78	2,73	2,66	2,51
		COP	1,68	2,07	2,42	2,65	2,81	3,05	3,20	3,59	3,71	3,97	4,13	4,26	4,39	4,60	4,99
	MIN	Heating capacity (kW)	2,1	2,4	2,8	3,0	3,2	3,4	3,5	3,9	4,0	4,3	4,5	4,7	4,7	4,8	4,9
		Input power (kW)	0,78	0,79	0,81	0,82	0,82	0,83	0,83	0,84	0,84	0,85	0,85	0,86	0,84	0,82	0,77
		COP	2,69	3,07	3,44	3,63	3,82	4,10	4,25	4,64	4,79	5,11	5,29	5,46	5,63	5,89	6,39
Water temp. outlet 45(°C)	MAX	Heating capacity (kW)	4,1	5,2	6,1	6,8	7,2	7,9	8,4	9,5	9,8	10,5	11,0	11,4	11,6	11,8	12,1
		Input power (kW)	2,87	2,92	2,97	3,01	3,03	3,04	3,06	3,09	3,09	3,10	3,12	3,14	3,08	3,00	2,84
		COP	1,41	1,77	2,07	2,26	2,40	2,60	2,74	3,07	3,17	3,39	3,53	3,63	3,75	3,92	4,26
	MIN	Heating capacity (kW)	2,0	2,4	2,7	2,9	3,0	3,3	3,4	3,8	3,9	4,2	4,3	4,5	4,6	4,6	4,8
		Input power (kW)	0,89	0,91	0,92	0,93	0,94	0,94	0,95	0,96	0,96	0,96	0,97	0,97	0,96	0,93	0,88
		COP	2,28	2,60	2,91	3,07	3,23	3,47	3,60	3,93	4,05	4,32	4,48	4,62	4,76	4,99	5,41
Water temp. outlet 55(°C)	MAX	Heating capacity (kW)	3,8	4,7	5,6	6,2	6,6	7,2	7,6	8,6	8,9	9,6	10,0	10,4	10,5	10,7	11,0
		Input power (kW)	3,15	3,20	3,26	3,30	3,32	3,34	3,35	3,39	3,40	3,41	3,42	3,44	3,38	3,29	3,11
		COP	1,19	1,47	1,72	1,88	1,99	2,16	2,27	2,55	2,63	2,82	2,93	3,02	3,12	3,26	3,54
	MIN	Heating capacity (kW)	1,9	2,1	2,5	2,6	2,8	3,0	3,1	3,4	3,6	3,8	4,0	4,1	4,2	4,2	4,4
		Input power (kW)	0,98	0,99	1,01	1,02	1,03	1,04	1,04	1,05	1,05	1,06	1,06	1,07	1,05	1,02	0,97
		COP	1,89	2,16	2,42	2,55	2,69	2,89	2,99	3,27	3,37	3,60	3,73	3,84	3,96	4,15	4,50
Water temp. outlet 60(°C)	MAX	Heating capacity (kW)	3,,5	4,3	5,2	5,7	6,1	6,6	7,0	8,0	8,2	8,8	9,2	9,6	9,7	9,9	10,1
		Input power (kW)	3,34	3,39	3,46	3,50	3,52	3,54	3,56	3,59	3,60	3,61	3,63	3,65	3,59	3,49	3,30
		COP	1,04	1,28	1,49	1,63	1,73	1,88	1,97	2,21	2,29	2,44	2,54	2,62	2,70	2,83	3,07
	MIN	Heating capacity (kW)	1,7	2,0	2,3	2,4	2,6	2,8	2,9	3,2	3,3	3,5	3,6	3,8	3,8	3,9	4,0
		Input power (kW)	1,03	1,05	1,07	1,08	1,09	1,09	1,10	1,11	1,11	1,12	1,12	1,13	1,11	1,08	1,02
		COP	1,65	1,89	2,11	2,23	2,34	2,52	2,61	2,85	2,94	3,13	3,25	3,35	3,45	3,61	3,92
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21

Technical data Decarbo ECO040 | For heating

Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 65(°C)	MAX	Heating capacity (kW)	-	4,0	4,8	5,3	5,6	6,1	6,5	7,4	7,6	8,2	8,6	8,9	9,0	9,2	9,4
		Input power (kW)	-	3,56	3,63	3,67	3,69	3,71	3,73	3,77	3,78	3,79	3,81	3,83	3,76	3,66	3,47
		COP	-	1,13	1,32	1,44	1,53	1,66	1,74	1,95	2,02	2,16	2,24	2,31	2,39	2,50	2,71
	MIN	Heating capacity (kW)	-	1,8	2,1	2,2	2,4	2,6	2,7	2,9	3,0	3,2	3,4	3,5	3,5	3,6	3,7
		Input power (kW)	-	1,11	1,13	1,15	1,15	1,16	1,17	1,18	1,18	1,18	1,19	1,20	1,18	1,14	1,08
		COP	-	1,65	1,84	1,94	2,05	2,20	2,28	2,49	2,56	2.74	2,84	2,92	3,01	3,16	3,42
Water temp. outlet 70(°C)	MAX	Heating capacity (kW)	-	-	4,4	4,9	5,2	5,7	6,0	6,8	7,0	7,5	7,9	8,2	8,3	8,4	8,6
		Input power (kW)	-	-	3,72	3,76	3,79	3,81	3,83	3,87	3,87	3,89	3,91	3,93	3,86	3,76	3,55
		COP	-	-	1,18	1,29	1,37	1,49	1,56	1,75	1,81	1,94	2,01	2,08	2,14	2,24	2,43
	MIN	Heating capacity (kW)	-	-	1,9	2,1	2,2	2,3	2,4	2,7	2,8	3,0	3,1	3,2	3,3	3,3	3,4
		Input power (kW)	-	-	1,15	1,17	1,17	1,18	1,19	1,20	1,20	1,21	1,21	1,22	1,20	1,17	1,10
		COP	-	-	1,67	1,76	1,85	1,99	2,06	2,25	2,32	2.47	2,56	2,64	2,72	2,85	3,09
Water temp. outlet 75(°C)	MAX	Heating capacity (kW)	-	-	-	-	-	5,2	5,5	6,2	6,4	6,9	7,2	7,4	7,5	7,7	7,9
		Input power (kW)	-	-	-	-	-	3,90	3,92	3,96	3,97	3,98	4,00	4,03	3,95	3,85	3,64
		COP	-	-	-	-	-	1,32	1,39	1,56	1,61	1,72	1,79	1,85	1,91	2,00	2,17
	MIN	Heating capacity (kW)	-	-	-	-	-	2,1	2,2	2,5	2,5	2,7	2,8	2,9	3,0	3,0	3,1
		Input power (kW)	-	-	-	-	-	1,20	1,21	1,22	1,22	1,23	1,23	1,24	1,22	1,19	1,12
			-	-	-	-	-	1,78	1,85	2,02	2,02	2.22	2,30	2,37	2,44	2,56	2,78
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21

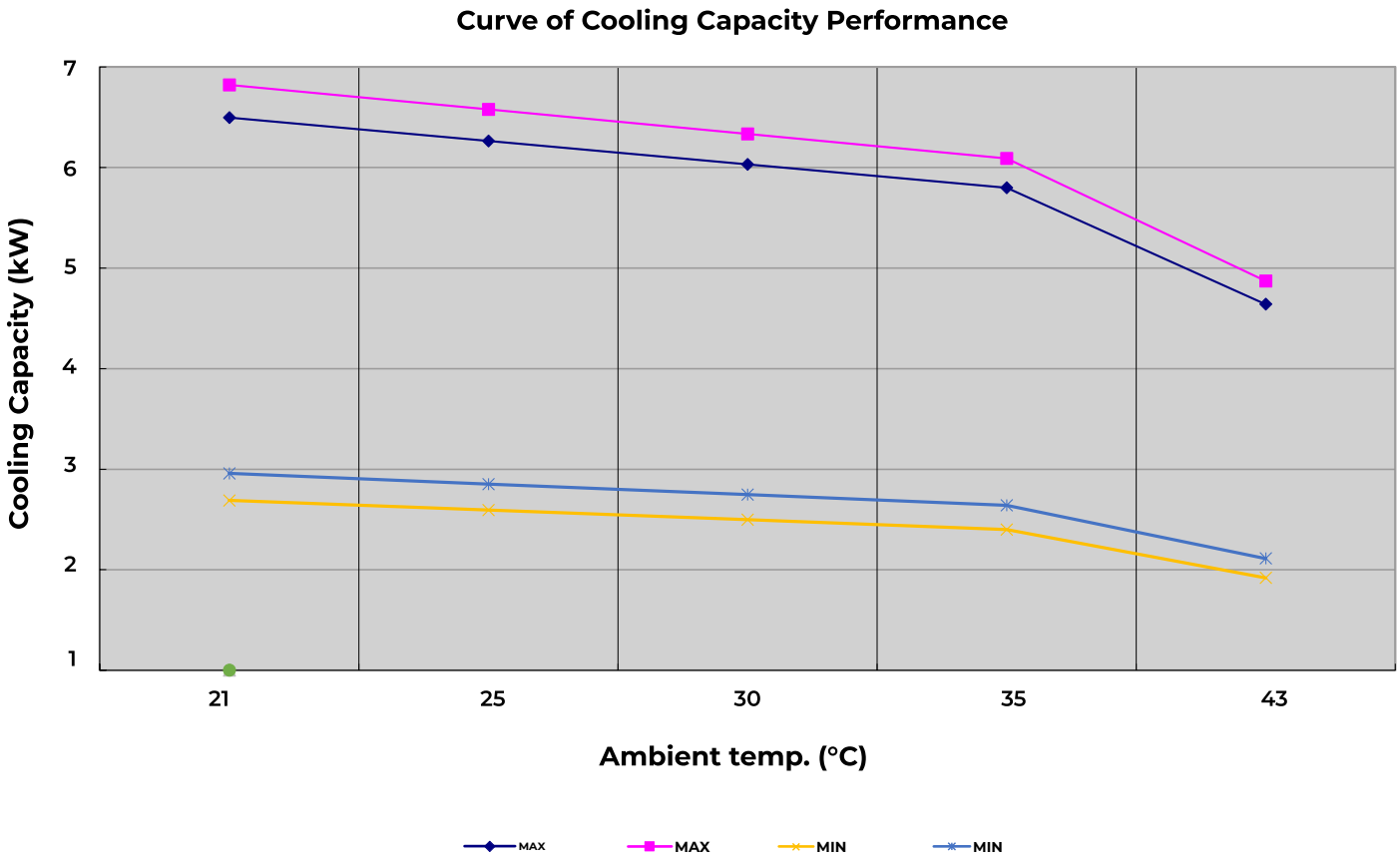
Technical data Decarbo ECO040 | For heating



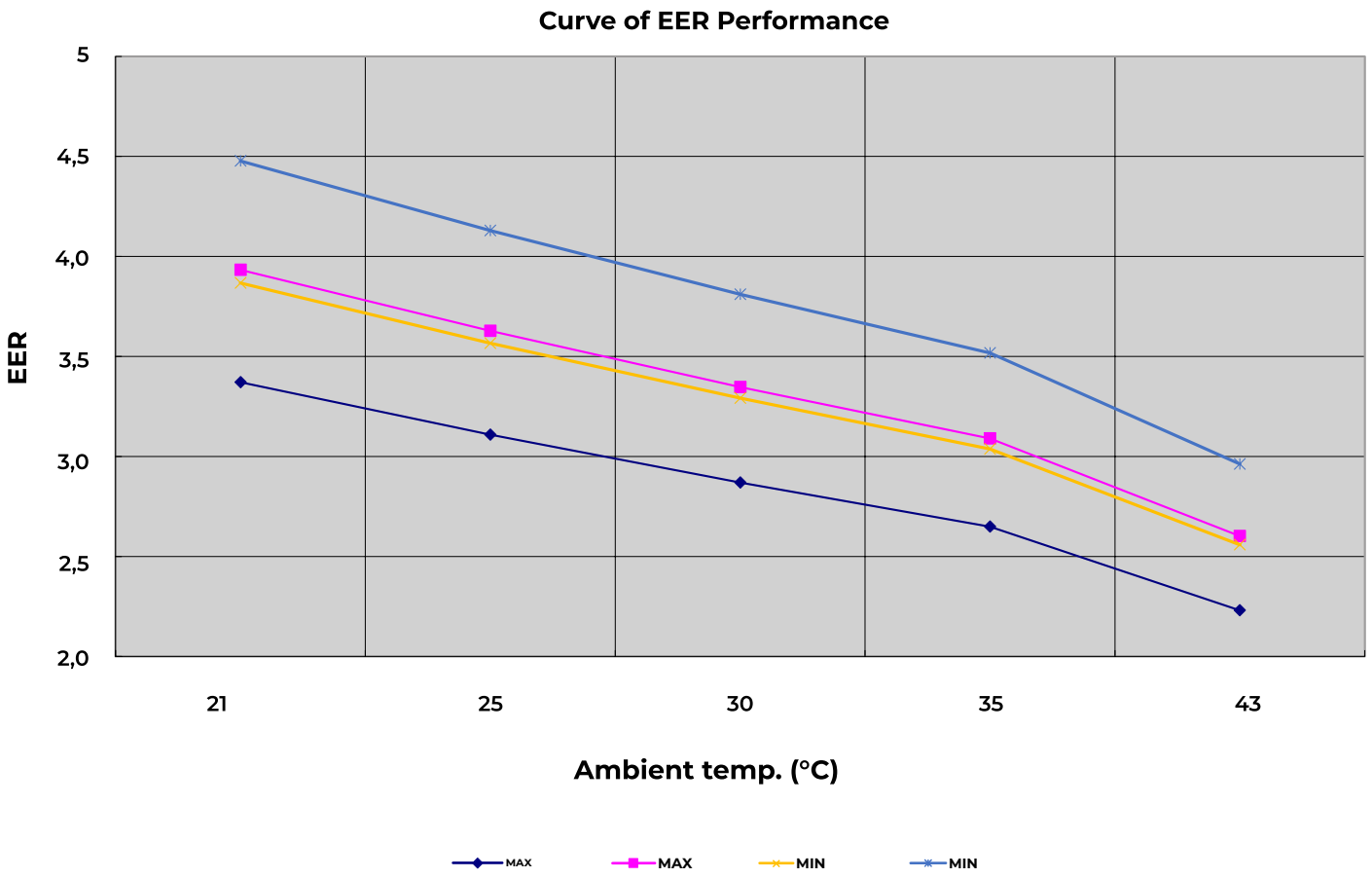


Technical data Decarbo ECO040 | For cooling

Ambient temp.(°C)			21	25	30	35	43
Water temp. outlet 7(°C)	MAX	Heating capacity (kW)	9,2	8,9	8,5	8,2	6,6
		Input power (kW)	2,70	2,82	2,95	3,07	2,92
		COP	3,40	3,14	2,89	2,67	2,25
	MIN	Heating capacity (kW)	3,7	3,6	3,4	3,3	2,6
		Input power (kW)	0,95	0,99	1,04	1,08	1,03
		COP	3,89	3,59	3,31	3,06	2,57
Water temp. outlet 7(°C)	MAX	Heating capacity (kW)	9,6	9,3	9,0	8,6	6,9
		Input power (kW)	2,43	2,54	2,65	2,76	2,62
		COP	3,97	3,66	3,38	3,12	2,62
	MIN	Heating capacity (kW)	4,1	3,9	3,8	3,6	2,9
		Input power (kW)	0,90	0,94	0,98	1,03	0,97
		COP	4,50	4,15	3,83	3,54	2,98



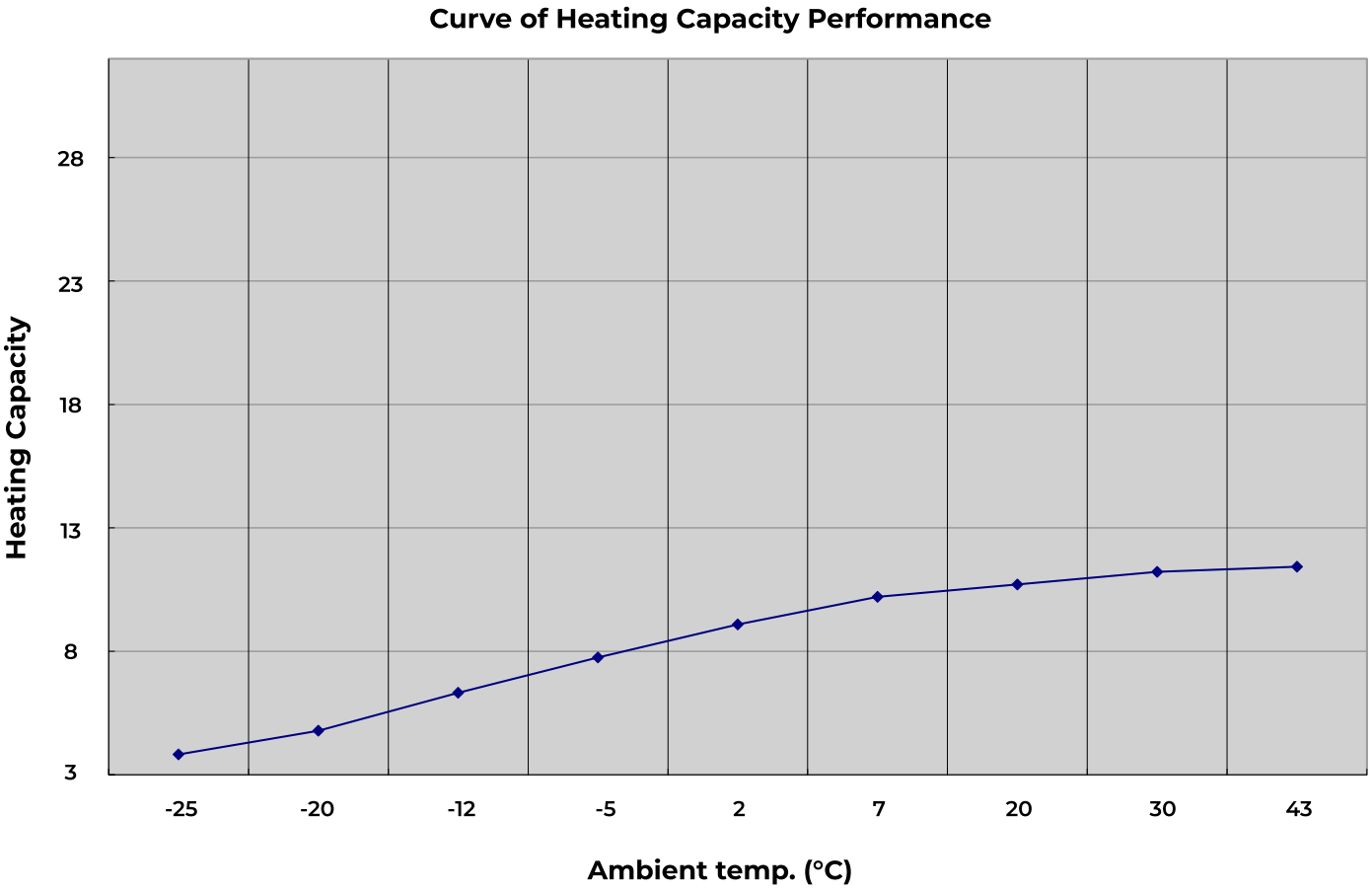
Technical data Decarbo ECO040 | For cooling

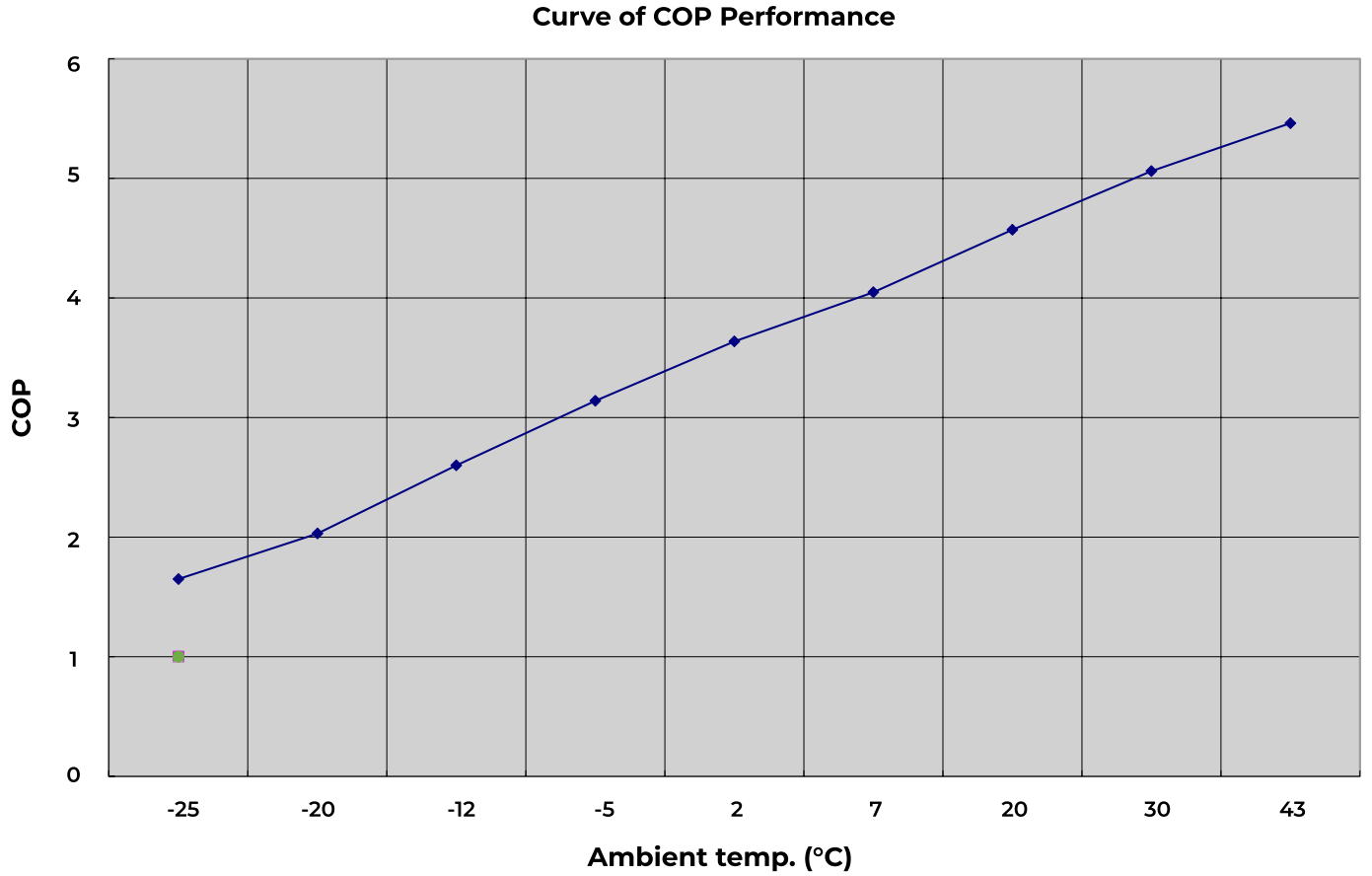


Technical data Decarbo ECO040 | For DHW

Heating capacity (kW)	3,8	4,8	6,3	7,8	9,1	10,2	10,7	11,2	11,4
Input power (kW)	2,32	2,36	2,43	2,47	2,50	2,52	2,34	2,22	2,09
COP	1,65	2,03	2,60	3,14	3,64	4,05	4,57	5,06	5,46
Ambient temp (°C)	-25	-20	-12	-5	2	7	20	30	43

Technical data Decarbo ECO040 | For DHW





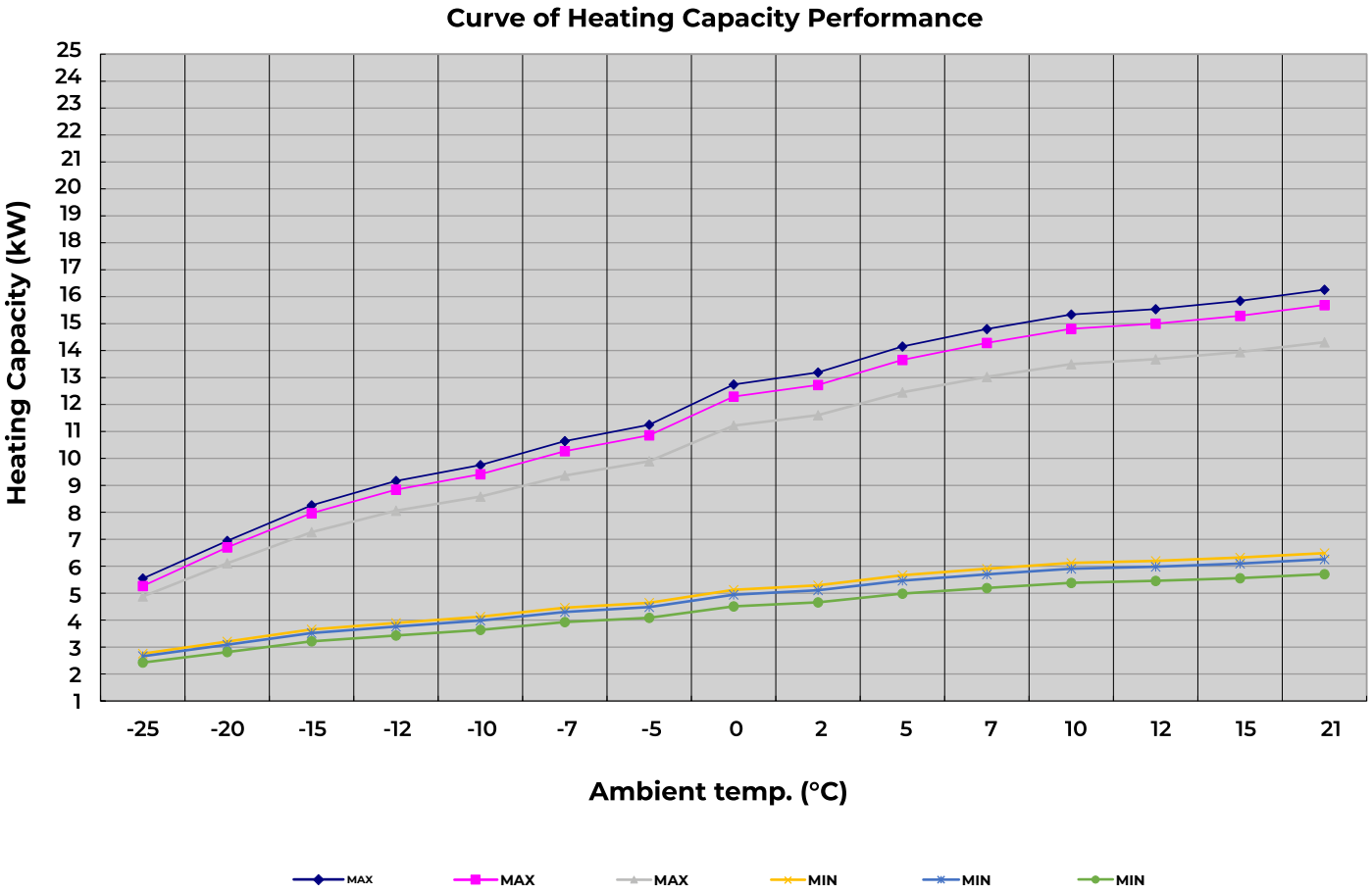
Technical data Decarbo ECO050 | For heating

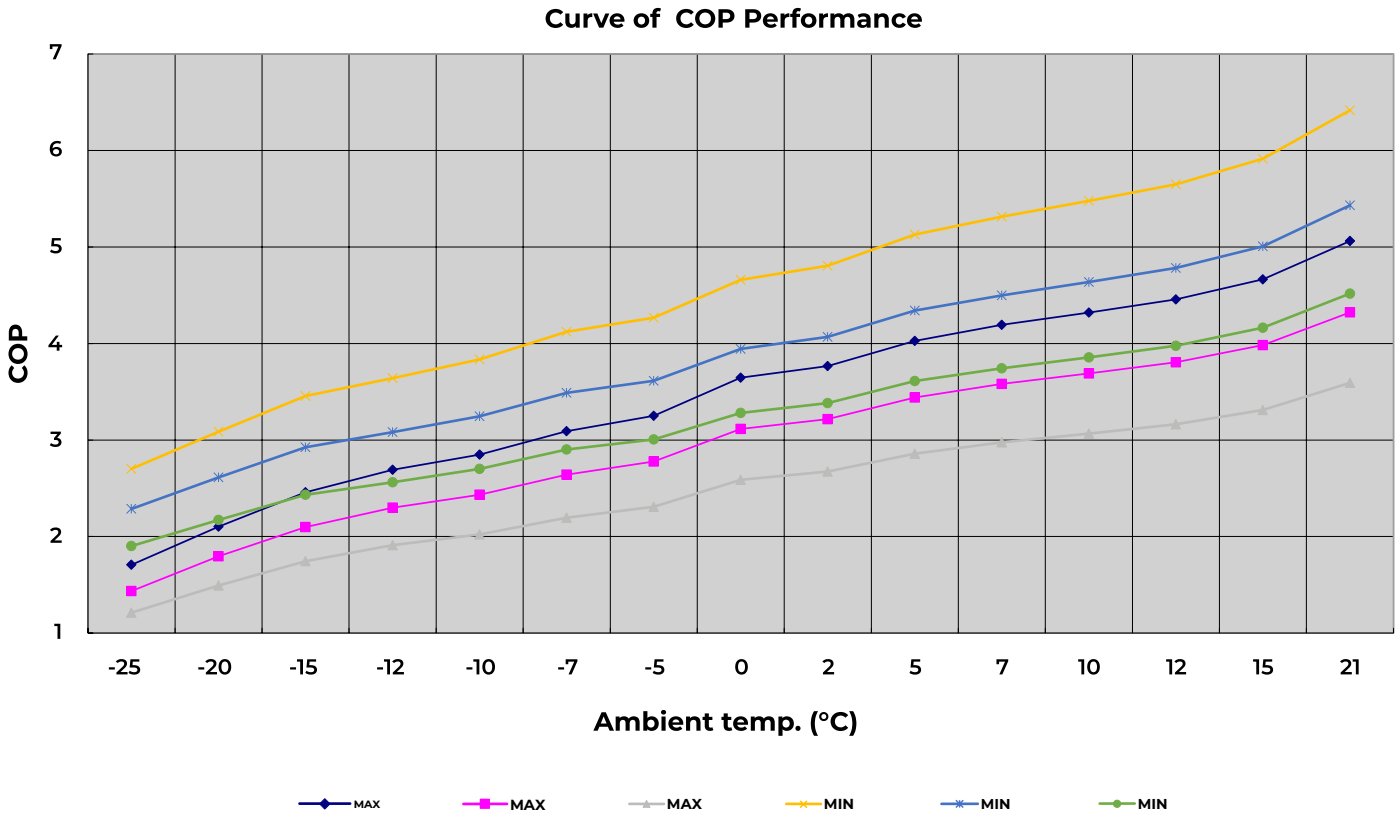
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 35(°C)	MAX	Heating capacity (kW)	5,5	6,9	8,3	9,2	9,8	10,6	11,2	12,7	13,2	14,1	14,8	15,3	15,5	15,8	16,3
		Input power (kW)	3,25	3,30	3,36	3,40	3,42	3,44	4,46	3,49	3,50	3,51	3,53	3,55	3,49	3,40	3,21
		COP	1,71	2,10	2,46	2,69	2,85	3,09	3,25	3,65	3,77	4,03	4,19	4,32	4,46	4,67	5,06
	MIN	Heating capacity (kW)	2,8	3,2	3,7	3,9	4,1	4,5	4,6	5,1	5,3	5,7	5,9	6,1	6,2	6,3	6,5
		Input power (kW)	1,02	1,04	1,06	1,07	1,08	1,08	1,09	1,10	1,10	1,10	1,11	1,12	1,10	1,07	1,01
		COP	2,70	3,09	3,46	3,64	3,84	4,12	4,27	4,66	4,81	5,13	5,32	5,48	5,65	5,91	6,42
Water temp. outlet 45(°C)	MAX	Heating capacity (kW)	5,3	6,7	8,0	8,8	9,4	10,3	10,9	12,3	12,7	13,7	14,3	14,8	15,0	15,3	15,7
		Input power (kW)	3,67	3,73	3,80	3,85	3,87	3,89	3,91	3,95	3,96	3,97	3,99	4,01	3,94	3,84	3,63
		COP	1,44	1,80	2,10	2,30	2,43	2,64	2,78	3,11	3,22	3,44	3,58	3,69	3,81	3,98	4,32
	MIN	Heating capacity (kW)	2,7	3,1	3,5	3,8	4,0	4,3	4,5	4,9	5,1	5,5	5,7	5,9	6,0	6,1	6,3
		Input power (kW)	1,16	1,18	1,20	1,22	1,23	1,23	1,24	1,25	1,26	1,26	1,27	1,27	1,25	1,22	1,15
		COP	2,29	2,61	2,93	3,08	3,25	3,49	3,61	3,94	4,07	4,34	4,50	4,64	4,78	5,01	5,43
Water temp. outlet 55(°C)	MAX	Heating capacity (kW)	4,9	6,1	7,3	8,1	8,6	9,4	9,9	11,2	11,6	12,5	13,0	13,5	13,7	13,9	14,3
		Input power (kW)	4,03	4,09	4,17	4,22	4,25	4,27	4,29	4,33	4,34	4,36	4,38	4,40	4,32	4,21	3,98
		COP	1,21	1,49	1,74	1,91	2,02	2,19	2,31	2,59	2,67	2,86	2,98	3,07	3,16	3,31	3,59
	MIN	Heating capacity (kW)	2,4	2,8	3,2	3,4	3,6	3,9	4,1	4,5	4,7	5,0	5,2	5,4	5,5	5,6	5,7
		Input power (kW)	1,28	1,30	1,32	1,34	1,35	1,35	1,36	1,37	1,38	1,38	1,39	1,40	1,37	1,33	1,26
		COP	1,90	2,17	2,43	2,56	2,70	2,90	3,01	3,28	3,38	3,61	3,74	3,86	3,98	4,16	4,52
Water temp. outlet 60(°C)	MAX	Heating capacity (kW)	4,5	5,6	6,7	7,4	7,9	8,6	9,1	10,3	10,7	11,5	12,0	12,4	12,6	12,8	13,2
		Input power (kW)	4,27	4,34	4,42	4,47	4,50	4,53	4,55	4,60	4,60	4,62	4,64	4,67	4,59	4,47	4,22
		COP	1,05	1.30	1.51	1,66	1,75	1,90	2,00	2,25	2,32	2,48	2,58	2,66	2,74	2,87	3,12
	MIN	Heating capacity (kW)	2,2	2,6	3,0	3,2	3,3	3,6	3,8	4,1	4,3	4,6	4,8	5,0	5,0	5,1	5,3
		Input power (kW)	1,35	1,37	1,39	1,41	1,42	1,43	1,44	1,45	1,45	1,46	1,47	1,47	1,45	1,41	1,33
		COP	1,66	1,89	2,12	2,23	2,35	2,53	2,62	2,86	2,95	3,15	3,26	3,36	3,47	3,63	3,94
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21

Technical data Decarbo ECO050 | For heating

Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 65(°C)	MAX	Heating capacity (kW)	-	5,2	6,2	6,9	7,3	8,0	8,4	9,6	9,9	10,6	11,1	11,5	11,7	11,9	12,2
		Input power (kW)	-	4,55	4,64	4,70	4,73	4,75	4,77	4,82	4,83	4,85	4,87	4,90	4,81	4,69	4,43
		COP	-	1,14	1,34	1,46	1,55	1,68	1,77	1,98	2,05	2,19	2,28	2,35	2,42	2,54	2,75
	MIN	Heating capacity (kW)	-	2,4	2,7	2,9	3,1	3,3	3,5	3,8	4,0	4,2	4,4	4,6	4,6	4,7	4,9
		Input power (kW)	-	1,45	1,48	1,50	1,51	1,52	1,52	1,54	1,54	1,55	1,55	1,56	1,54	1,49	1,41
		COP	-	1,65	1,85	1,95	2,05	2,21	2,29	2,50	2,57	2.75	2,85	2,93	3,03	3,17	3,44
Water temp. outlet 70(°C)	MAX	Heating capacity (kW)	-	-	5,7	6,3	6,7	7,3	7,8	8,8	9,1	9,8	10,2	10,6	10,7	10,9	11,2
		Input power (kW)	-	-	4,76	4,82	4,85	4,87	4,90	4,95	4,95	4,97	4,99	5,02	4,94	4,81	4,55
		COP	-	-	1,20	1,31	1,39	1,51	1,59	1,78	1,84	1,96	2,04	2,11	2,17	2,27	2,47
	MIN	Heating capacity (kW)	-	-	2,5	2,7	2,8	3,1	3,2	3,5	3,7	3,9	4,1	4,2	4,3	4,4	4,5
		Input power (kW)	-	-	1,51	1,52	1,53	1,54	1,55	1,57	1,57	1,57	1,58	1,59	1,56	1,52	1,44
		COP	-	-	1,67	1,76	1,86	2,00	2,07	2,26	2,33	2.48	2,57	2,65	2,74	2,86	3,11
Water temp. outlet 75(°C)	MAX	Heating capacity (kW)	-	-	-	-	-	6,7	7,1	8,0	8,3	8,9	9,3	9,7	9,8	10,0	10,2
		Input power (kW)	-	-	-	-	-	4,99	5,02	5,07	5,08	5,09	5,12	5,15	5,06	4,92	4,66
		COP	-	-	-	-	-	1,32	1,41	1,58	1,64	1,75	1,82	1,88	1,94	2,03	2,20
	MIN	Heating capacity (kW)	-	-	-	-	-	2,8	2,9	3,2	3,3	3,6	3,7	3,9	3,9	4,0	4,1
		Input power (kW)	-	-	-	-	-	1,57	1,58	1,59	1,60	1,60	1,61	1,62	1,59	1,55	1,46
			-	-	-	-	-	1,79	1,85	2,02	2,09	2.23	2,31	2,38	2,45	2,57	2,79
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21

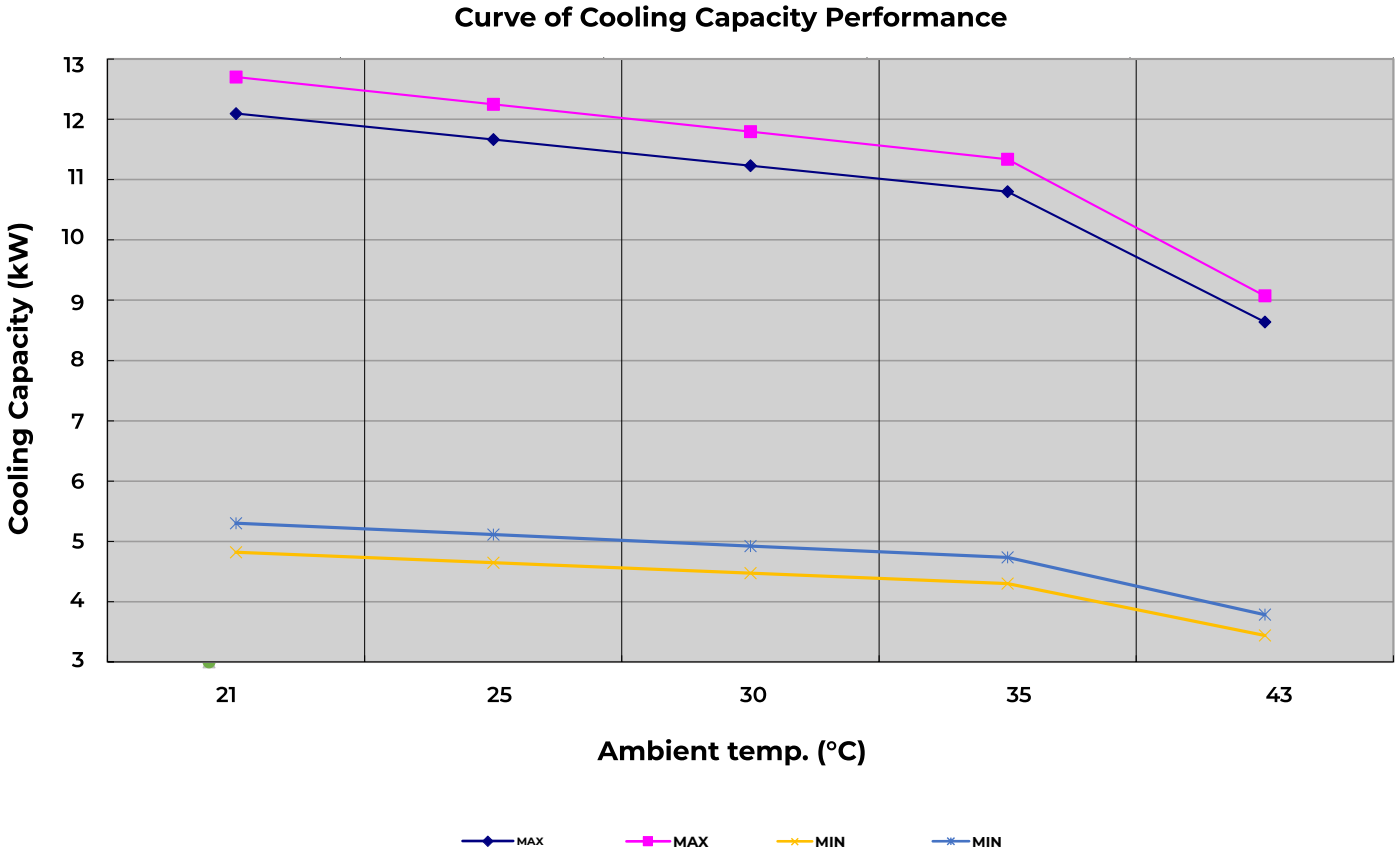
Technical data Decarbo ECO050 | For heating



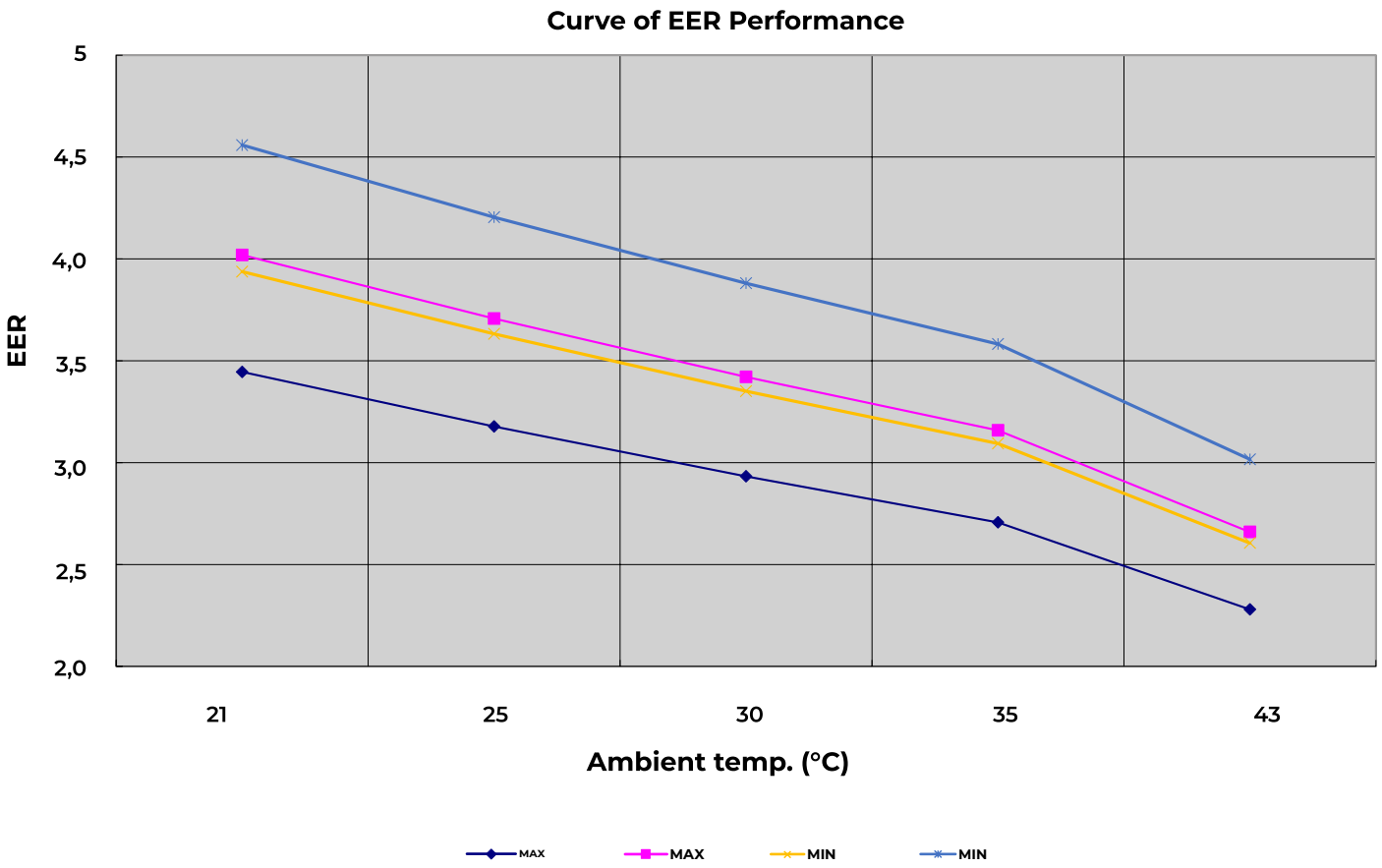


Technical data Decarbo ECO050 | For cooling

Ambient temp.(°C)			21	25	30	35	43
Water temp. outlet 7(°C)	MAX	Heating capacity (kW)	12,1	11,7	11,2	10,8	8,6
		Input power (kW)	3,51	3,67	3,83	3,99	3,79
		COP	3,44	3,18	2,93	2,71	2,28
	MIN	Heating capacity (kW)	4,8	4,6	4,5	4,3	3,4
		Input power (kW)	1,22	1,28	1,33	1,39	1,32
		COP	3,94	3,63	3,35	3,09	2,61
Water temp. outlet 7(°C)	MAX	Heating capacity (kW)	12,7	12,2	11,8	11,3	9,1
		Input power (kW)	3,16	3,30	3,45	3,59	3,41
		COP	4,02	3,71	3,42	3,16	2,66
	MIN	Heating capacity (kW)	5,3	5,1	4,9	4,7	3,8
		Input power (kW)	1,16	1,21	1,27	1,32	1,25
		COP	4,56	4,20	3,88	3,58	3,02



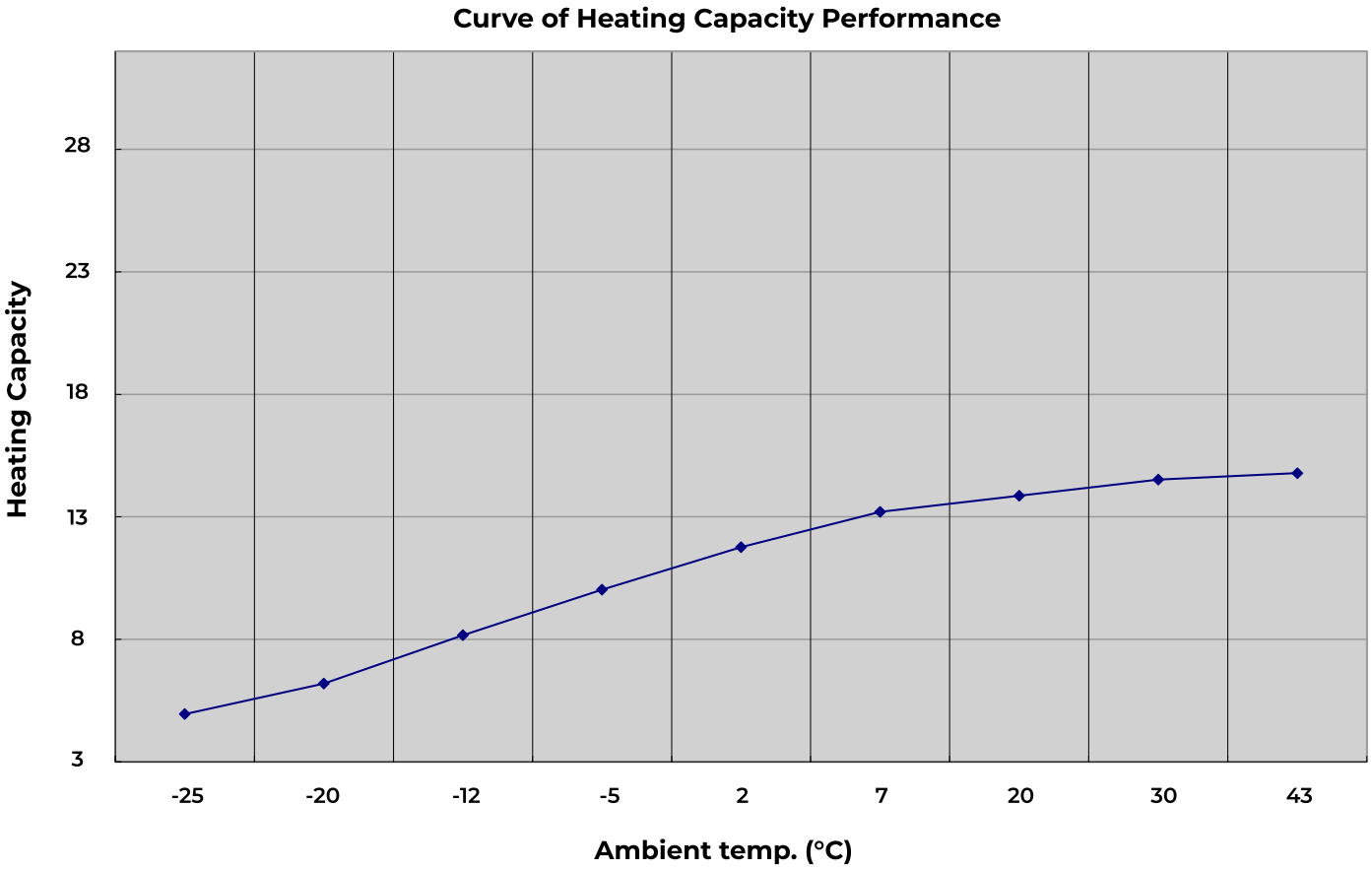
Technical data Decarbo ECO050 | For cooling

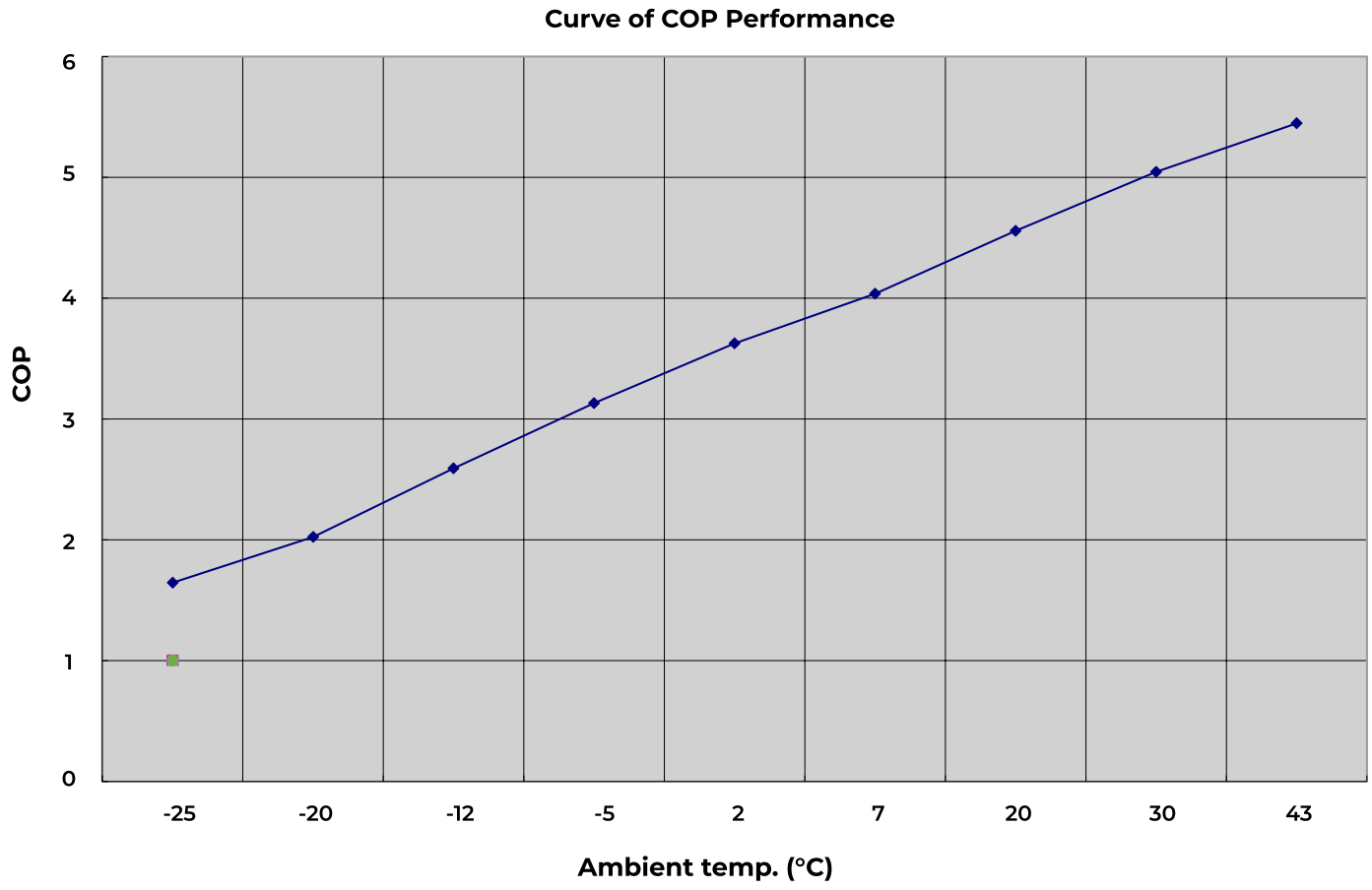


Technical data Decarbo ECO040 | For DHW

Heating capacity (kW)	5,0	6,2	8,2	10,0	11,8	13,2	13,9	14,5	14,8
Input power (kW)	3,01	3,06	3,15	3,20	3,24	3,27	3,04	2,88	2,71
COP	1,65	2,02	2,59	3,13	3,63	4,04	4,56	5,05	5,45
Ambient temp (°C)	-25	-20	-12	-5	2	7	20	30	43

Technical data Decarbo ECO050 | For DHW





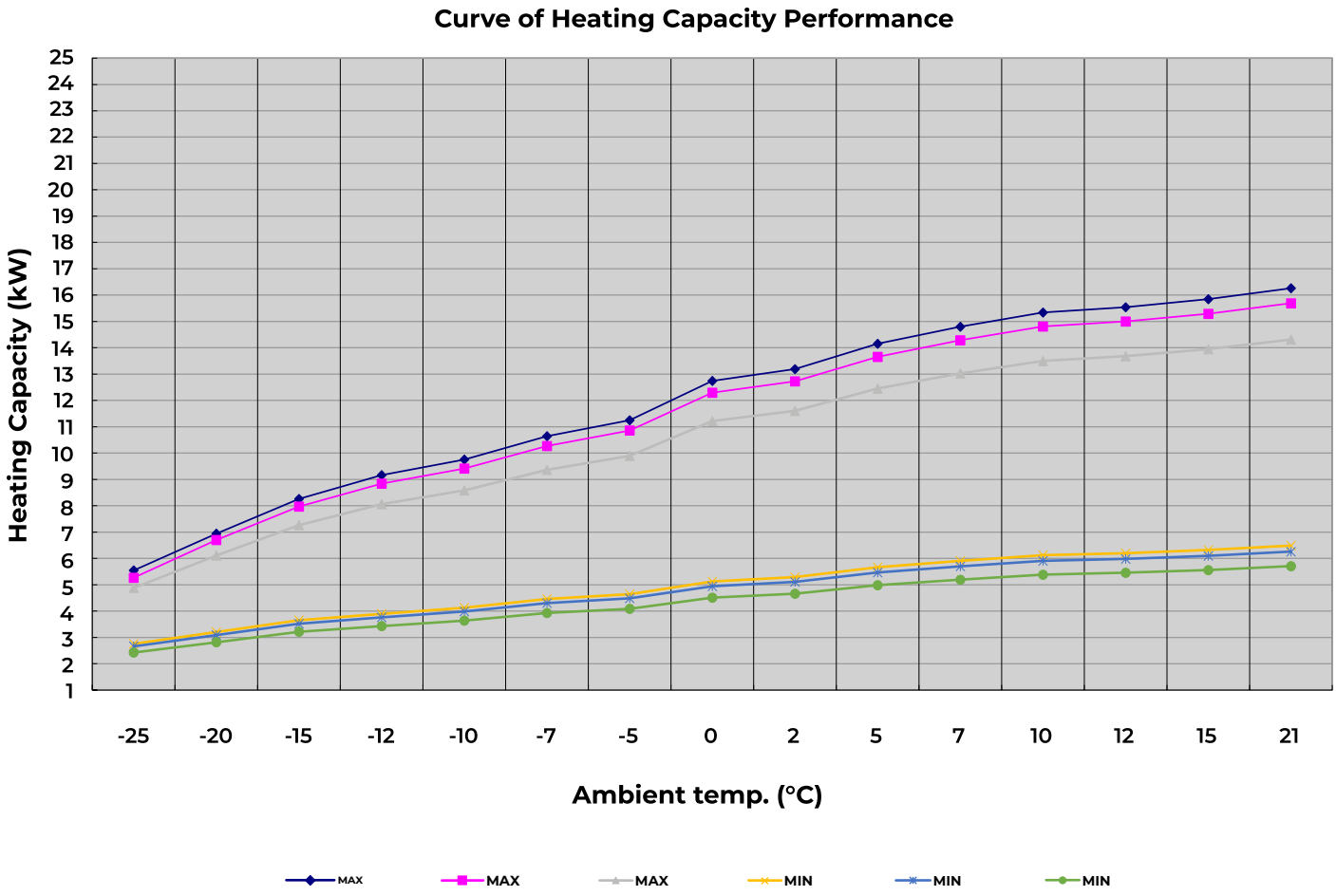
Technical data Decarbo ECO060 | For heating

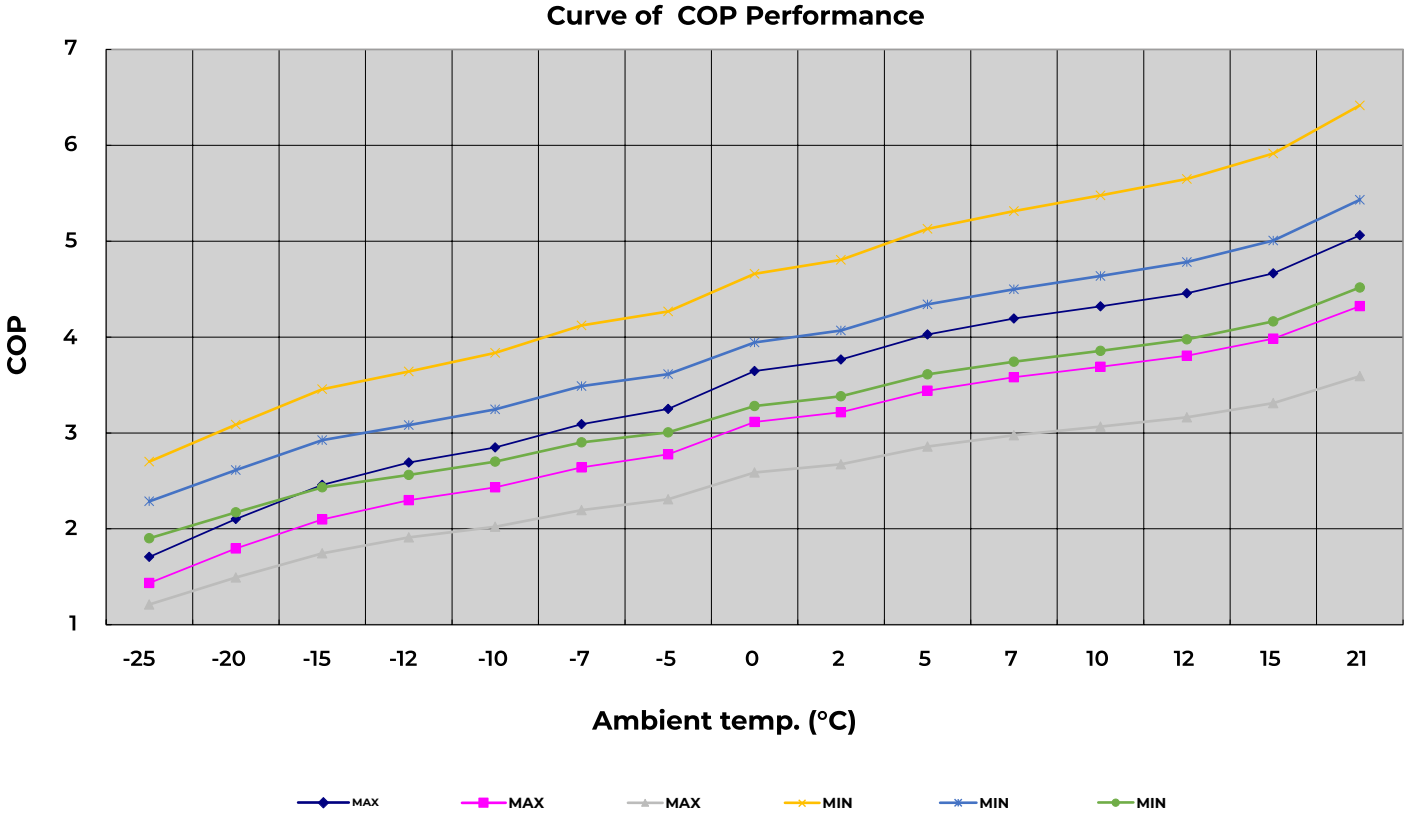
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 35(°C)	MAX	Heating capacity (kW)	8,2	10,3	12,3	13,6	14,5	15,8	16,7	18,9	19,6	21,0	22,0	22,8	23,1	23,5	24,2
		Input power (kW)	4,87	4,95	5,04	5,10	5,13	5,16	5,18	5,24	5,25	5,26	5,29	5,32	5,23	5,09	4,81
		COP	1,69	2,09	2,44	2,67	2,83	3,07	3,23	3,62	3,74	4,00	4,16	4,29	4,42	4,63	5,02
	MIN	Heating capacity (kW)	4,1	4,8	5,4	5,8	6,2	6,7	6,9	7,8	7,9	8,4	8,8	9,1	9,2	9,4	9,7
		Input power (kW)	1,53	1,55	1,58	1,60	1,61	1,62	1,63	1,64	1,65	1,65	1,66	1,67	1,64	1,60	1,51
		COP	2,69	3,08	3,45	3,63	3,83	4,11	4,26	4,65	4,79	5,11	5,30	5,46	5,63	5,90	6,40
Water temp. outlet 45(°C)	MAX	Heating capacity (kW)	7,8	10,0	11,8	13,1	14,0	15,3	16,1	18,3	18,9	20,3	21,2	22,0	22,3	22,7	23,3
		Input power (kW)	5,50	5,59	5,69	5,76	5,80	5,83	5,86	5,92	5,93	5,95	5,98	6,01	5,91	5,75	5,44
		COP	1,42	1,78	2,08	2,28	2,41	2,62	2.75	3,09	3,19	3,41	3,55	3,66	3,77	3,95	4,29
	MIN	Heating capacity (kW)	4,0	4,6	5,3	5,6	5,9	6,4	6,7	7,4	7,6	8,2	8,5	8,8	8,9	9,1	9,3
		Input power (kW)	1,74	1,77	1,80	1,82	1,84	1,85	1,85	1,87	1,88	1,88	1,89	1,90	1,87	1,82	1,72
		COP	2,28	2,61	2,92	3,07	3,24	3,48	3,60	3,93	4,06	4,33	4,49	4,62	4,77	4,99	5,42
Water temp. outlet 55(°C)	MAX	Heating capacity (kW)	7,3	9,1	10,8	12,0	12,8	13,9	14,7	16,7	17,2	18,5	19,4	20,1	20,3	20,7	21,3
		Input power (kW)	6.03	6,13	6,24	6,32	6,36	6,40	6,43	6,49	6,51	6,53	6,56	6,60	6,48	6,31	5,97
		COP	1,20	1,48	1,73	1,90	2,01	2,18	2,29	2,57	2,65	2,84	2,95	3,04	3,14	3,28	3,56
	MIN	Heating capacity (kW)	3,6	4,2	4,8	5,1	5,4	5,9	6,1	6,7	6,9	7,4	7,7	8,0	8,1	8,3	8,5
		Input power (kW)	1,91	1,94	1,98	2,00	2,01	2,02	2,03	2,05	2,06	2,06	2,08	2,09	2,05	2,00	1,89
		COP	1,90	2,17	2,43	2,56	2,69	2,89	3,00	3,27	3,37	3,60	3,73	3,85	3,97	4,15	4,51
Water temp. outlet 60(°C)	MAX	Heating capacity (kW)	6,7	8,4	9,9	11,0	11,7	12,8	13,5	15,3	15,9	17,0	17,8	18,5	18,7	19,1	19,6
		Input power (kW)	6,40	6,50	6,62	6,71	6,75	6,78	6,82	6,89	6,90	6,92	6,96	7,00	6,87	6,69	6,33
		COP	1,04	1,28	1,50	1,64	1,74	1,89	1,99	2,23	2,30	2,46	2,56	2,64	2,72	2,85	3,09
	MIN	Heating capacity (kW)	3,3	3,9	4,4	4,7	5,0	5,4	5,6	6,2	6,4	6,8	7,1	7,4	7,5	7,6	7,8
		Input power (kW)	2,02	2,05	2,09	2,11	2,13	2,14	2,15	2,17	2,17	2,18	2,19	2,20	2,16	2,11	1,99
		COP	1,65	1,89	2,12	2,23	2,35	2,52	2,61	2,85	2,94	3,14	3,25	3,35	3,46	3,62	3,93
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21

Technical data Decarbo ECO060 | For heating

Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 65(°C)	MAX	Heating capacity (kW)	-	7,7	9,2	10,2	10,9	11,9	12,5	14,2	14,7	15,8	16,5	17,1	17,3	17,7	18,1
		Input power (kW)	-	6,83	6,95	7,04	7,08	7,12	7,15	7,23	7,24	7,26	7,30	7,34	7,21	7,02	6,64
		COP	-	1,13	1,32	1,45	1,54	1,67	1,75	1,97	2,03	2,17	2,26	2,33	2,40	2,51	2,73
	MIN	Heating capacity (kW)	-	3,6	4,1	4,4	4,6	5,0	5,2	5,7	5,9	6,3	6,6	6,8	6,9	7,1	7,3
		Input power (kW)	-	2,17	2,21	2,24	2,25	2,27	2,28	2,30	2,31	2,31	2,32	2,34	2,30	2,24	2,11
		COP	-	1,65	1,85	1,95	2,05	2,20	2,28	2,49	2,57	2.74	2,84	2,93	3,02	3,16	3,43
Water temp. outlet 70(°C)	MAX	Heating capacity (kW)	-	-	8,5	9,4	10,0	10,9	11,5	13,1	13,5	14,5	15,2	15,7	15,9	16,2	16,7
		Input power (kW)	-	-	7,13	7,22	7,26	7,30	7,34	7,41	7,43	7,45	7,49	7,53	7,40	7,20	6,81
		COP	-	-	1,19	1,30	1,38	1,50	1,57	1,76	1,82	1,95	2,03	2,09	2,16	2,26	2,45
	MIN	Heating capacity (kW)	-	-	3,8	4,0	4,3	4,6	4,8	5,3	5,4	5,8	6,1	6,3	6,4	6,5	6,7
		Input power (kW)	-	-	2,25	2,28	2,29	2,31	2,32	2,34	2,35	2,35	2,37	2,38	2,34	2,28	2,15
		COP	-	-	1,67	1,76	1,85	1,99	2,06	2,25	2,32	2,48	2,57	2,65	2,73	2,86	3,10
Water temp. outlet 75(°C)	MAX	Heating capacity (kW)	-	-	-	-	-	10,0	10,5	11,9	12,3	13,3	13,9	14,4	14,6	14,8	15,2
		Input power (kW)	-	-	-	-	-	7,48	7,52	7,59	7,61	7,63	7,67	7,72	7,58	7,38	6,98
		COP	-	-	-	-	-	1,33	1,40	1,57	1,62	1,74	1,81	1,86	1,92	2,01	2,18
	MIN	Heating capacity (kW)	-	-	-	-	-	4,2	4,4	4,8	5,0	5,3	5,5	5,7	5,8	5,9	6,1
		Input power (kW)	-	-	-	-	-	2,35	2,36	2,38	2,39	2,39	2.41	2,42	2,38	2,32	2,19
			-	-	-	-	-	1,79	1,85	2,02	2,08	2.22	2,30	2,37	2,45	2,56	2,78
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21

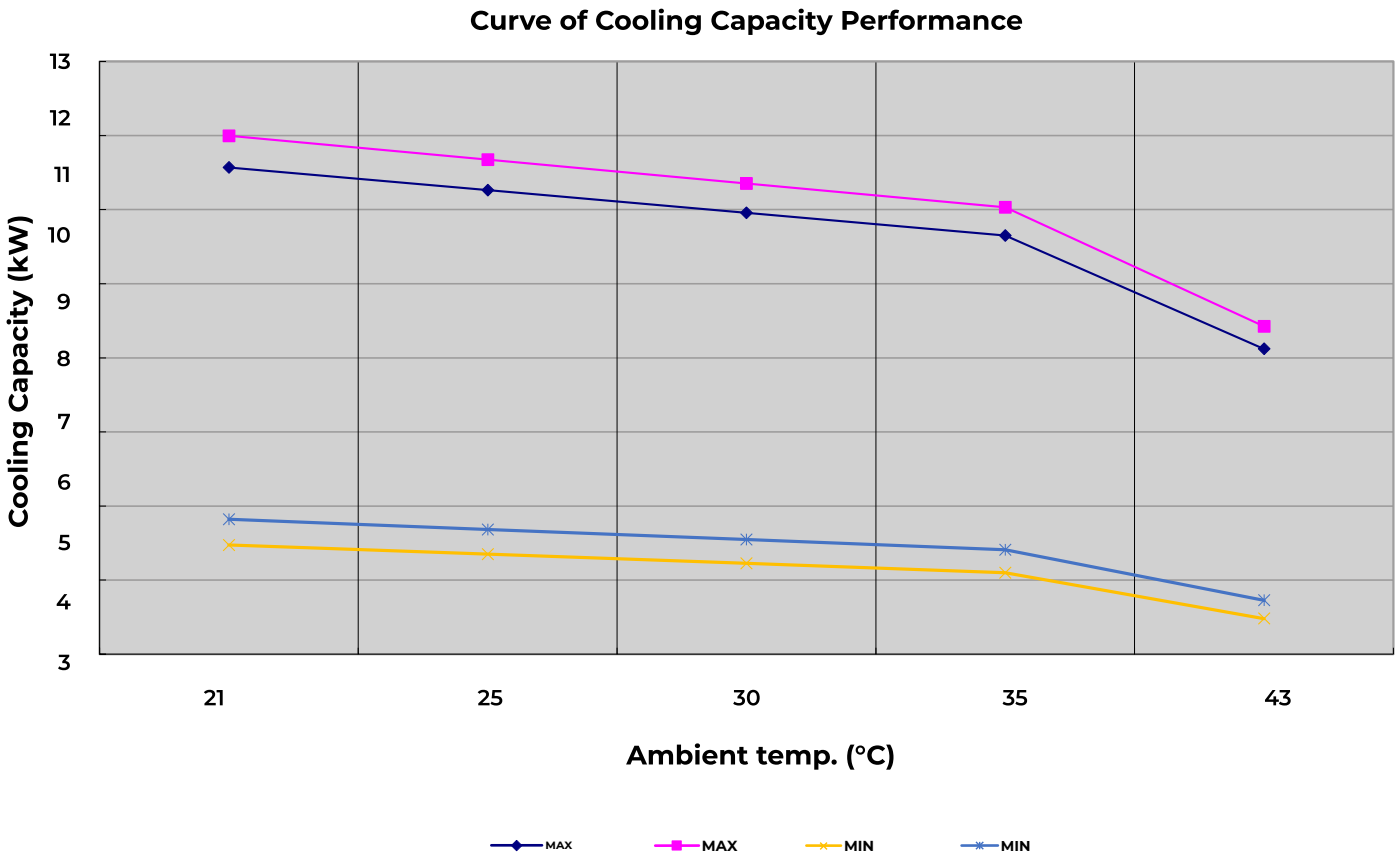
Technical data Decarbo ECO060 | For heating



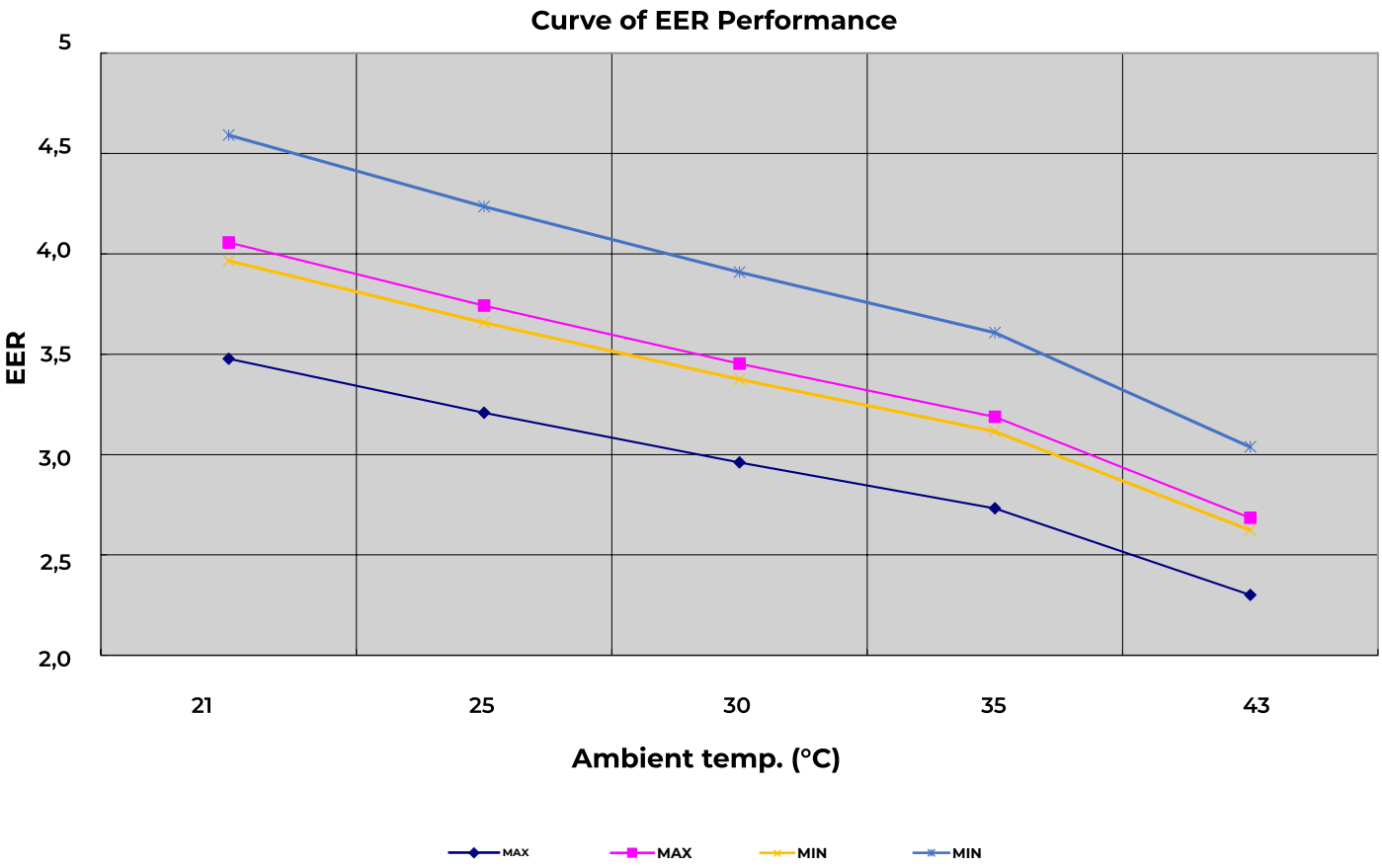


Technical data Decarbo ECO060 | For cooling

Ambient temp.(°C)			21	25	30	35	43
Water temp. outlet 7(°C)	MAX	Heating capacity (kW)	17,1	16,5	15,9	15,3	12,2
		Input power (kW)	4,93	5,15	5,38	5,60	5,32
		COP	3,48	3,21	2,96	2,73	2,30
	MIN	Heating capacity (kW)	6,9	6,7	6,4	6,2	5,0
		Input power (kW)	1,75	1,83	1,91	1,99	1,89
		COP	3,97	3,66	3,38	3,12	2,62
Water temp. outlet 7(°C)	MAX	Heating capacity (kW)	18,0	17,4	16,7	16,1	12,9
		Input power (kW)	4,44	4,64	4,84	5,04	4,79
		COP	4,06	3,74	3,45	3,19	2,68
	MIN	Heating capacity (kW)	7,6	7,4	7,1	6,8	5,5
		Input power (kW)	1,66	1,74	1,81	1,89	1,80
		COP	4,59	4,23	3,91	3,61	3,04



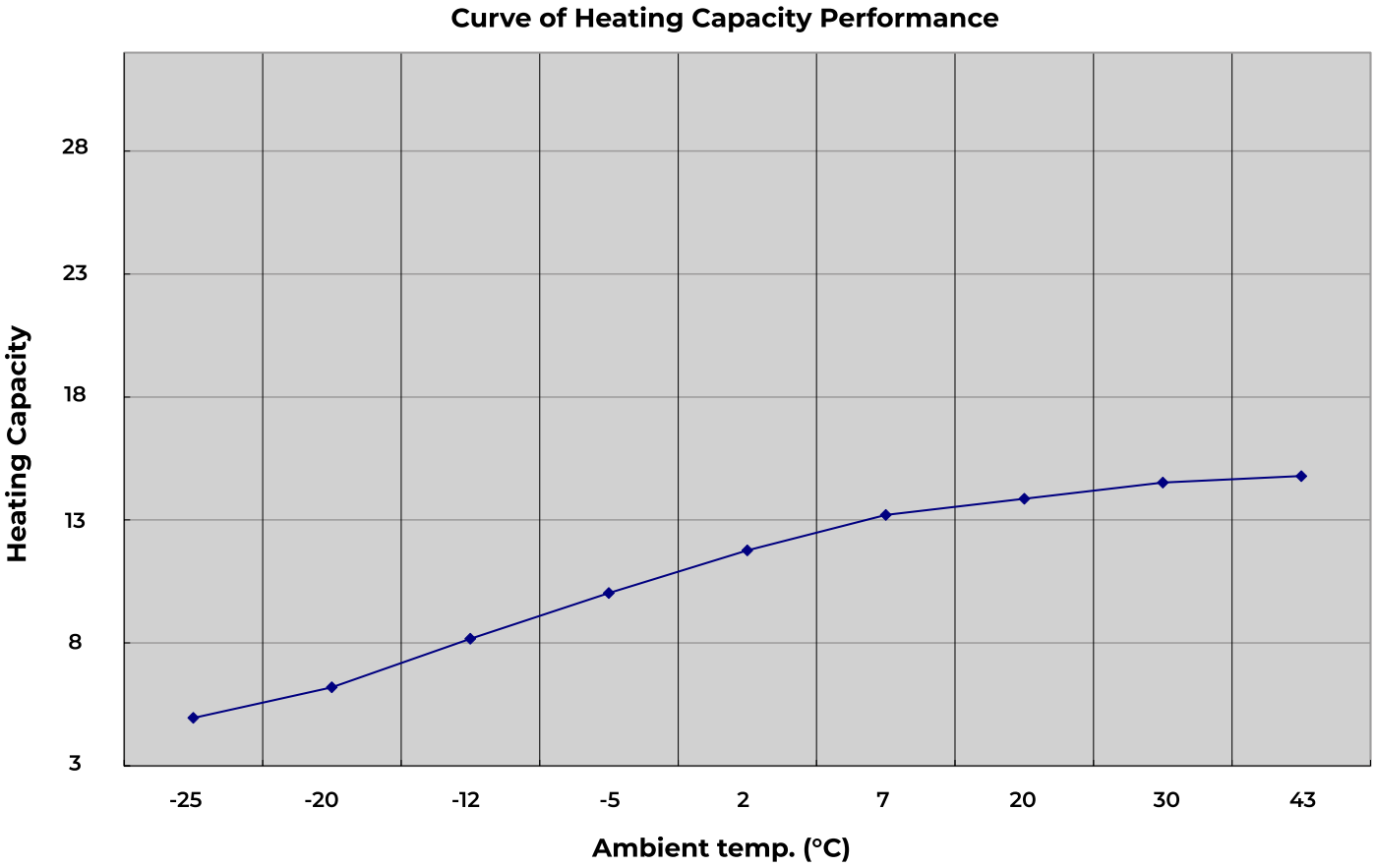
Technical data Decarbo ECO060 | For cooling

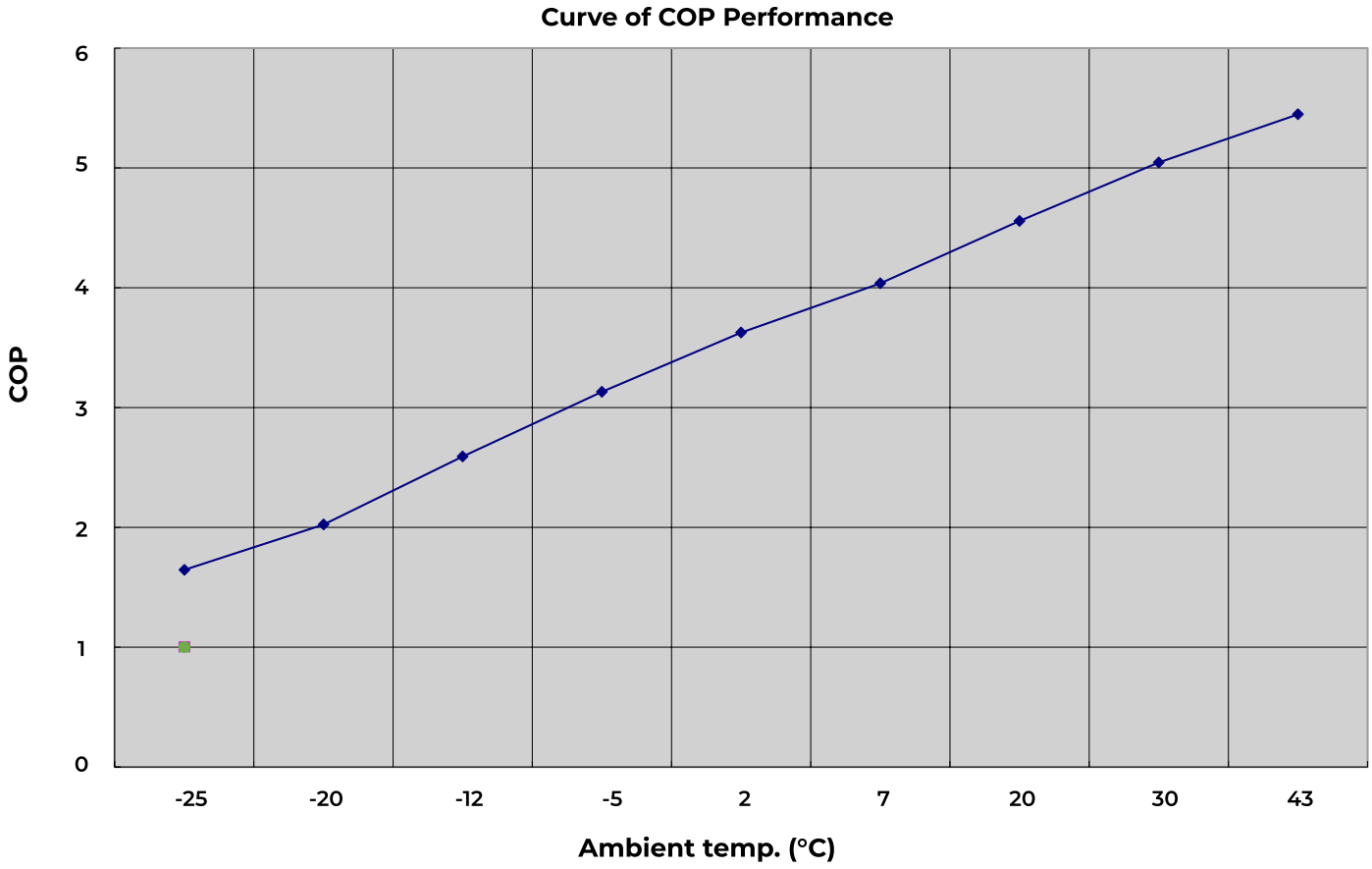


Technical data Decarbo ECO060 | For DHW

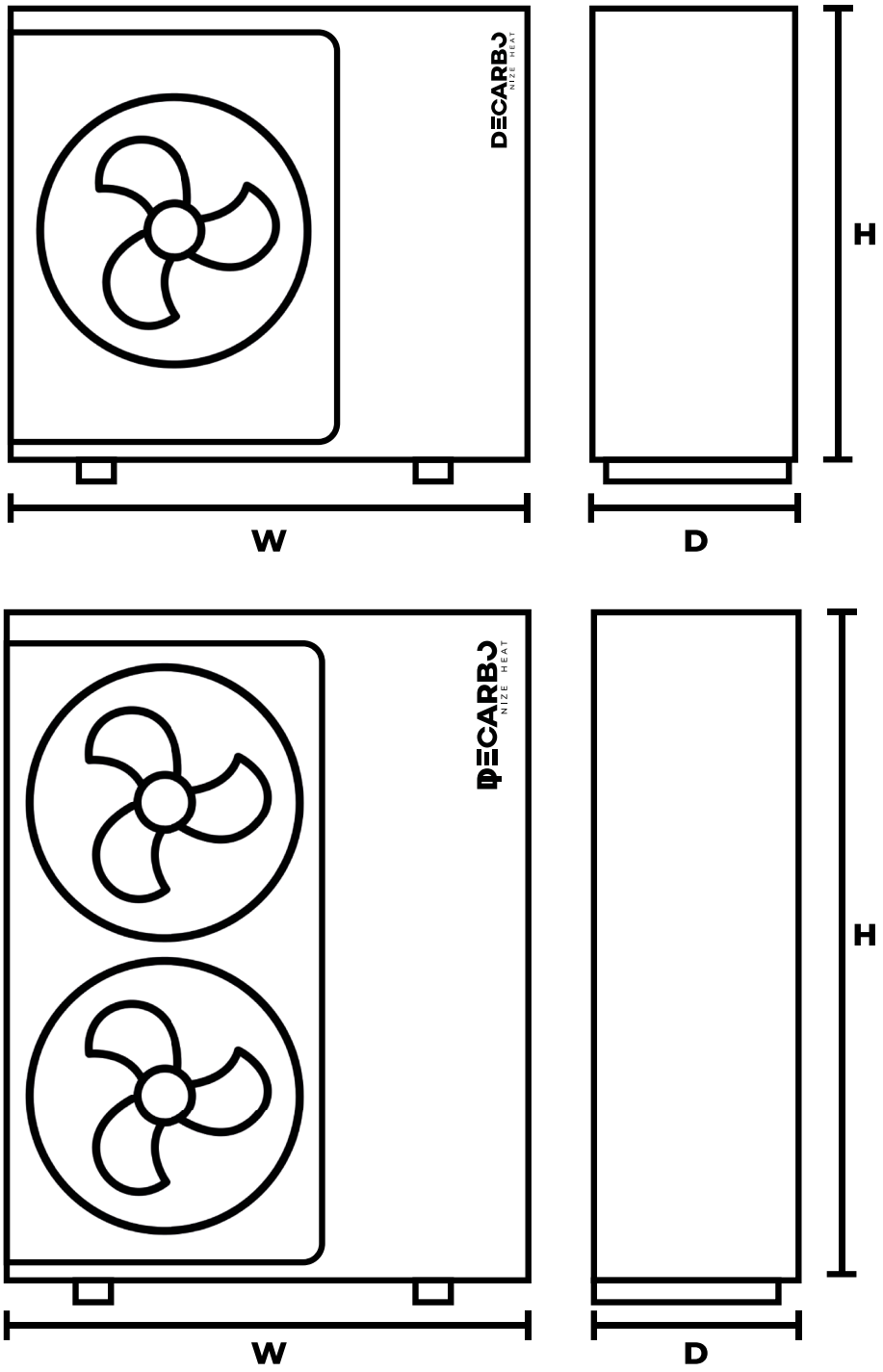
Heating capacity (kW)	6,6	8,3	10,9	13,4	15,7	17,6	18,5	19,4	19,7
Input power (kW)	4,04	4,10	4,23	4,30	4,35	4,39	4,08	3,86	3,64
COP	1,63	2,01	2,57	3,11	3,60	4,01	4,53	5,01	5,41
Ambient temp (°C)	1,6	1,9	2,2	2,3	2,5	2,6	2,7	3,0	3,1

Technical data Decarbo ECO060 | For DHW





Technical drawning



	ECO030	ECO040	ECO050	ECO060
Width (W)	1080	1080	1080	1080
Height (H)	460	460	480	480
Depth (D)	820	960	1060	1372

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