DECARBONIZE
HEAT

R290
ECO Friendly

75 °C

up SCOP to 4.69

SG Ready
Smart Heat Pumps

EFFICIENT, AFFORDABLE AND ENVIRONMENTALLY FRIENDLY HEAT PUMPS

Accelerating decarbonization through affordable and environmentally friendly Heat Pumps

Welcome to Decarbonize, your reliable partner for environmentally friendly heating solutions. With more than fifteen years of experience in the cooling and heat pump sector, we have made it our mission to accelerate the decarbonization of the heating sector by offering affordable and easy-to-install environmentally friendly heat pumps. Our German roots reflect our commitment to quality and innovation, guaranteeing you the highest levels of performance and reliability from our products.

Our guarantee - A commitment to quality

As proof of our confidence in the quality and durability of our products, we are proud to offer a 4-year guarantee on our heat pumps. This guarantee underlines our commitment to providing you with the best heating solutions and gives you peace of mind that you are investing in a reliable and efficient heating system.

BAFA funding - Save your money

Affordability is one of our most important principles at Decarbonize. For this reason, we would like to inform you that from January 1, 2021, the installation of heat pumps will be supported by the federal subsidy for efficient individual building measures - BEG EM for short. Investments can be subsidized up to 70%. Further details can be found on page 6.

BAFA-
förderfähig

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Up to SCOP 4.69

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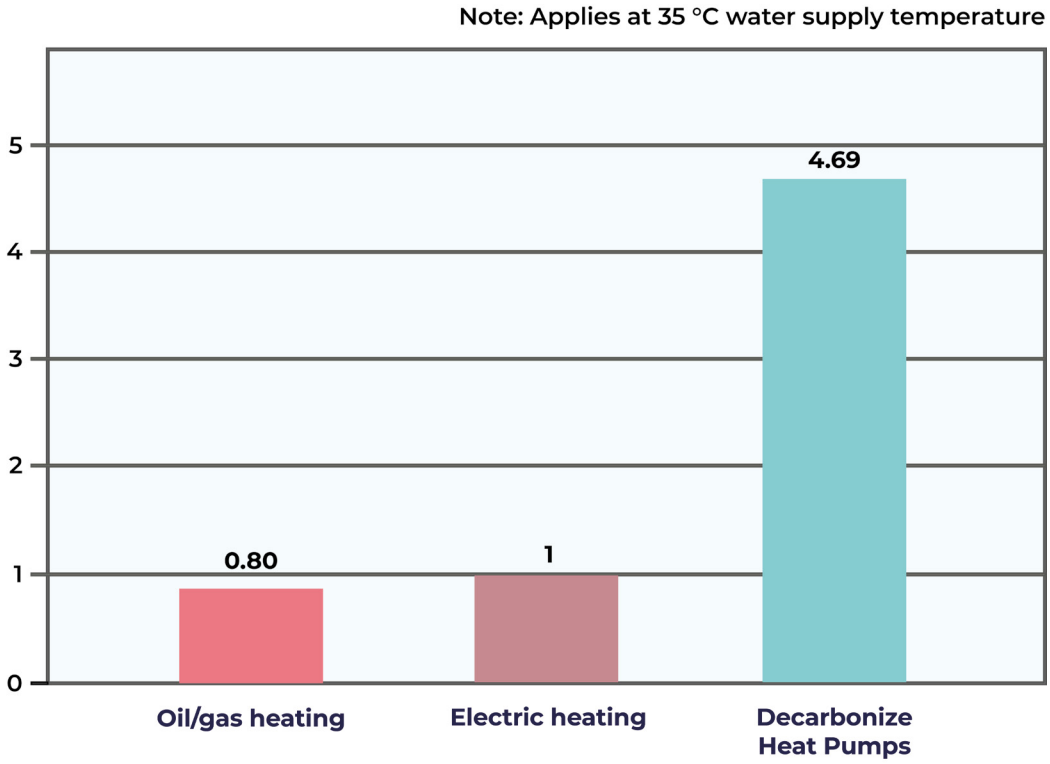
At Decarbonize, we believe in transparency and strive to offer the best possible value for money. By working with experienced manufacturing partners in China, we are able to offer our state-of-the-art heat pumps at a competitive price without compromising on quality. Our partners have proven their expertise in manufacturing efficient and durable heat pumps, allowing us to offer you the best solutions on the market at affordable prices.

Our commitment to German quality and innovation is evident in every aspect of our business, from product development to customer service. When you choose Decarbonize, you can be confident that you are making a responsible and environmentally friendly choice for your heating system. Let's work together towards a greener future and reduce our ecological footprint through efficient and sustainable heating solutions.

What is the effect of using air as an energy source for heating and hot water?

Heating and hot water account for 79% of energy consumption in European households. With our technology that converts thermal energy from the ambient air into heating energy, Decarbonize heat pumps make a significant contribution to reducing CO_2 emissions and environmental pollution Heat is transported instead of generated by combustion. Our air/water heat pumps generate around five times as much energy as conventional electric heating.

Comparison of the output power at 1 kW power consumption



Perfect solutions for maximum comfort

Our highly efficient eco appliances ensure cozy warmth and optimum comfort in your home.

- Extremely precise temperature control thanks to reliable inverter compressors.
- Decarbonize heat pumps provide pleasant cooling in summer, heat in winter and hot water all year round
- Decarbonize 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

Simple installation

Decarbonize Eco heat pumps are air-to-water heat pumps. The systems only have one outdoor unit and do not require a refrigerant connection. They are simply connected hydraulically to the heating and/or hot water system. Water storage tanks can be ordered as an option. Decarbonize Eco heat pumps can heat, cool and supply hot water independently of each other.

- An output range of 8 to 22 kW and the optional combination of up to 8 heat pumps in a network also offers options for larger buildings and reduces operating costs at the same time
- Decarbonize Eco heat pumps can be combined with underfloor heating, radiators or fan coils
- Decarbonize Eco heat pumps can be integrated into existing heating systems for renovation and refurbishment projects

Saving energy means saving costs

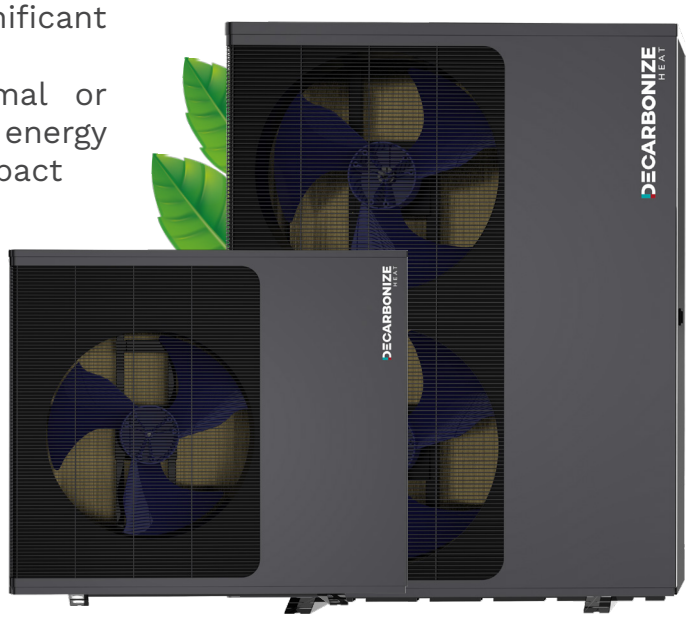
Investing in a heat pump is a smart decision, as it enables considerable energy savings and therefore direct cost savings on your electricity bill.

- Up to 80 % energy savings in room 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 Decarbonize buffer storage tanks, the power consumption and energy benefits of Decarbonize Eco heat pump systems can be optimized

Another step on the way to a climate-neutral society

Decarbonize Eco air/water heat pumps are a powerful and future-oriented heating system. This «green» technology uses the ambient air as a sustainable heat source.

- Pleasant room temperatures with a significant reduction in environmental pollution.
- Possibility of integrating a solar thermal or photovoltaic system to further increase energy efficiency and minimize environmental impact



DECARBONIZE
HEAT

Subsidy

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With the advanced heat pumps from Decarbonize, which use the environmentally friendly refrigerant R290, you not only secure an efficient and future-oriented heating solution, but also benefit from government subsidies that make your investment significantly easier.

Basic funding ✓	30% of the investment costs are covered by the basic subsidy.	**30%**
Efficiency bonus ✓	Receive an additional 5% subsidy for the use of Decarbonize heat pumps with the natural refrigerant R290, which increases your total subsidy to at least 35%	**5%**
Climate speed bonus:	When replacing older heating systems with a Decarbonize heat pump, you can receive an additional bonus of up to 20%, depending on the specific conditions and the age of the replaced system.	**20%**
Income-related bonus:	Households with a lower income (up to a gross annual income of EUR 40,000) can also receive up to 30% subsidy.	**30%**
Maximum funding rate:	In combination, these subsidy rates and bonuses can lead to a maximum subsidy of up to 70% of the investment costs, with an upper limit of 30,000 euros per measure.	**70%**

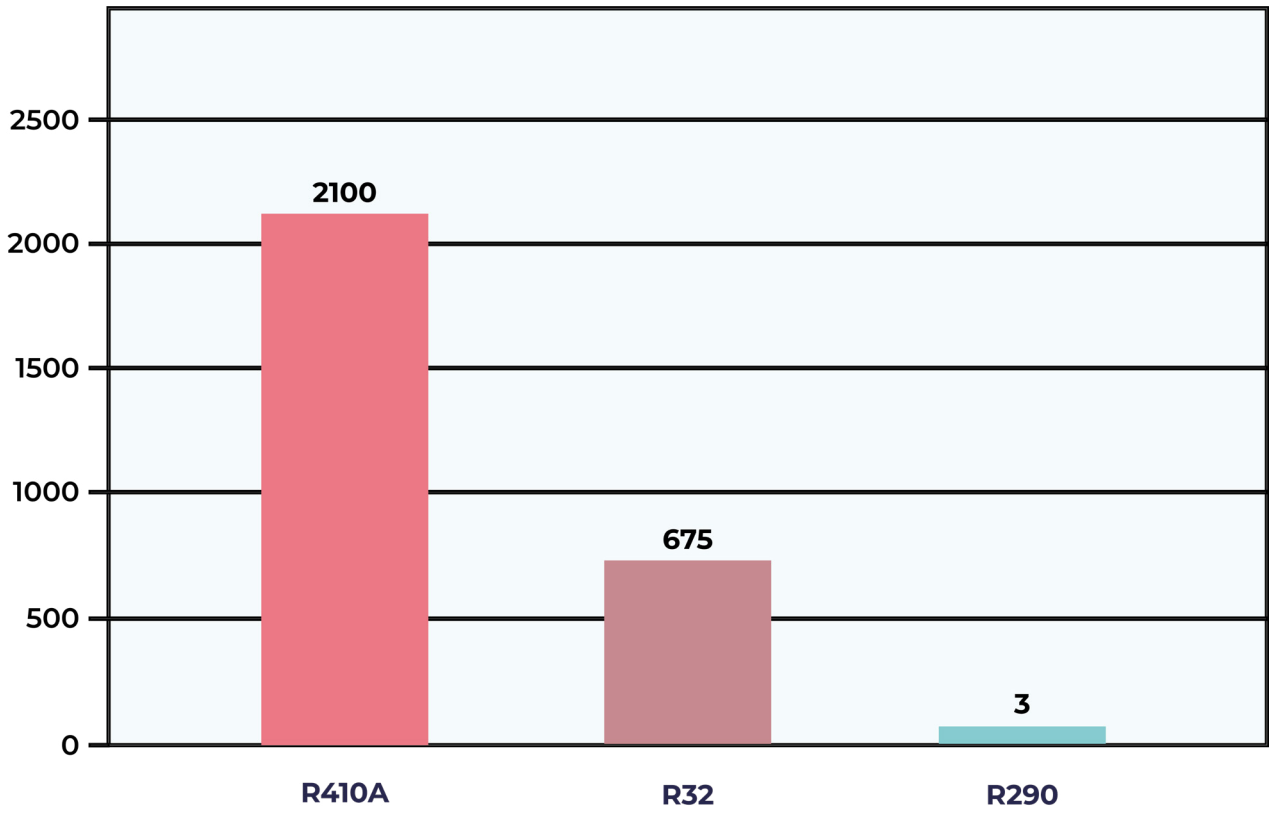
Opt for the environmentally friendly heating technology of the future with Decarbonize heat pumps and benefit from attractive subsidies: Our heat pumps use the natural refrigerant R290, which means they automatically receive the efficiency bonus from the current heat pump subsidy. This bonus, combined with the basic subsidy, guarantees you a subsidy rate of at least 35% on the total investment costs of your new heat pump. This not only means considerable cost savings at the time of purchase, but also long-term benefits through lower operating costs and a reduced CO2 footprint. With Decarbonize, you can rely on a sustainable and future-proof heating solution and at the same time enjoy government support that makes it easier to switch to green energy.

Advantages of the refrigerant R290

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 environment and transfer it to where it is needed. A crucial component of heat pump systems is the refrigerant, and Decarbonize's choice of R290 (propane) offers a particularly forward-thinking and sustainable solution - free from PFAS.

R290 is a natural refrigerant that stands out from synthetic refrigerants due to its extremely low global warming potential (GWP) of just 3, making it a far more environmentally friendly option. Many conventional refrigerants have a GWP of several thousand and contribute significantly to greenhouse gas emissions when released. By using R290, Decarbonize heat pumps actively reduce their environmental impact and contribute to 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: The excellent heat transfer properties of R290 allow Decarbonize heat pumps to operate more efficiently, resulting in lower energy consumption and therefore lower energy bills for homeowners.

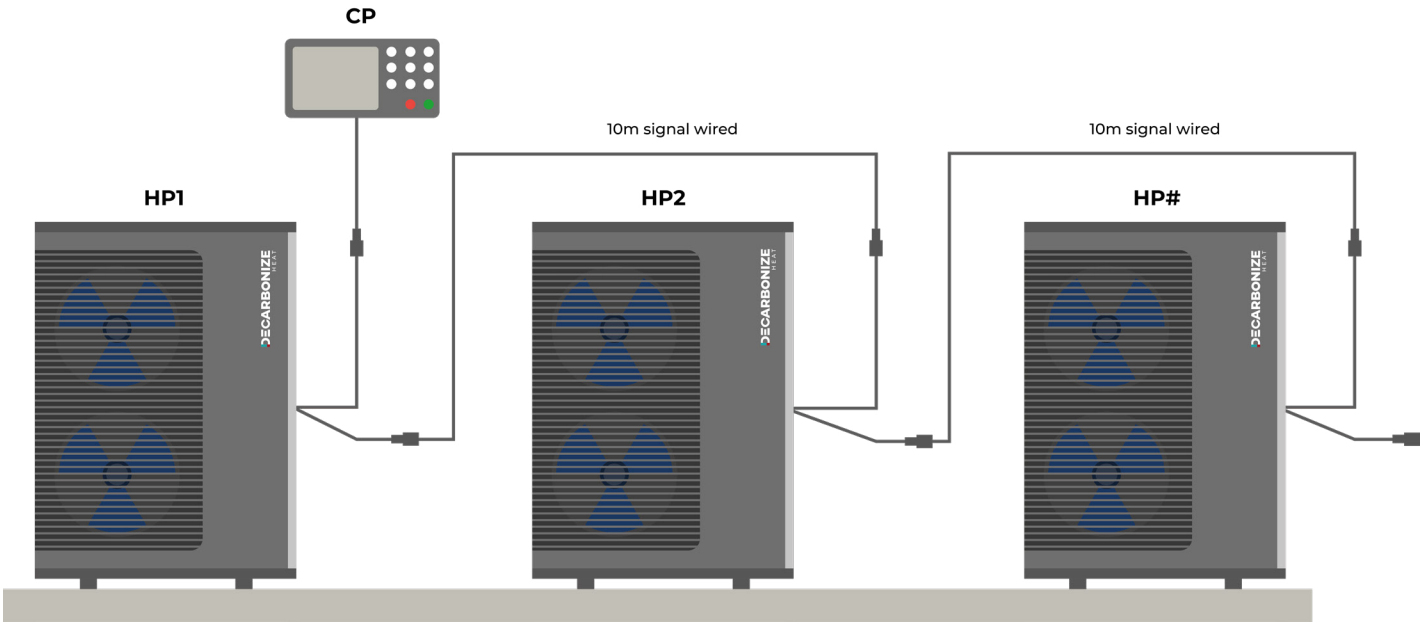
Wide operating temperature range: R290 is extremely efficient over a wide temperature range and ensures constant and reliable heating performance even under extreme weather conditions.

Security: 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 used safely in refrigeration and air conditioning systems worldwide for many years.

When you choose a Decarbonize heat pump with R290 refrigerant, you not only invest in an environmentally friendly and sustainable heating solution, but also enjoy the benefits of a highly efficient and reliable system designed with the future in mind.

Cascade system - up to 8 units

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



HP1 - Heat Pump 1
HP2 - Heat Pump 2
HP3 - Heat Pump 3
CP - Bedienfeld

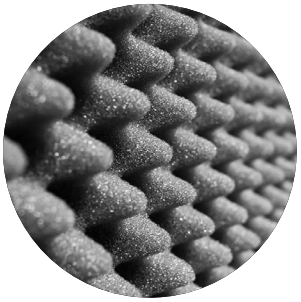
DECARBONIZE
HEAT

Remote control app & cloud connectivity

- Monitor and control your heat pump from anywhere using the Tuya Smart Home app
- Connection to the cloud for updates and energy management

Nederlands
Deutsch
Svenska
Čeština
Polski
Français
Español
Italiano
Russian
Slovenčina

Super quiet operation



The appliance uses a special three-layer sound-absorbing insulation in combination with Decarbonize's multiple noise reduction technology, allowing the appliance to operate smoothly and quietly without mechanical noise.

Various methods for noise reduction

Decarbonize's inverter technology combines the appliance's special airflow design, casing design, damping design and tube welding technology, and uses internationally renowned components so that the appliance's noise level is less than 47 dB.

47

dB(A)

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

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 appliances to intelligently adjust their operating frequency and regulate output to ensure a constant and comfortable room temperature. This advanced technology offers significant energy savings compared to conventional ON-OFF appliances and electric boiler heat pumps.

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

The intelligent adjustment of the operating frequency and the precise control of the water temperature by the full inverter compressors ensure that the heat pump operates in the most efficient range, so that no energy is wasted and a consistent, comfortable heating output is achieved.

In summary, modular heat pumps with full inverter compressors offer an advanced, energy-efficient solution for heating homes, resulting in both financial savings and a lower carbon footprint. When you choose a heat pump 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 only awarded to heat pumps that have a control system that can be integrated into smart grids.

In summer, for example, the Decarbonize Eco Series monobloc device receives the SG-Ready signal when there is a surplus of electricity from the PV system and the battery storage is fully charged. The appliance then immediately initiates the cooling process.

The practical advantage of this function is that your storage tank remains fully charged so that you can use your self-generated electricity efficiently to cool your building. With the Decarbonize Eco series heat pump, you can optimize your energy consumption and enjoy a pleasant indoor climate at the same time.

Decarbonize Heat Pumps ECO030 & ECO040

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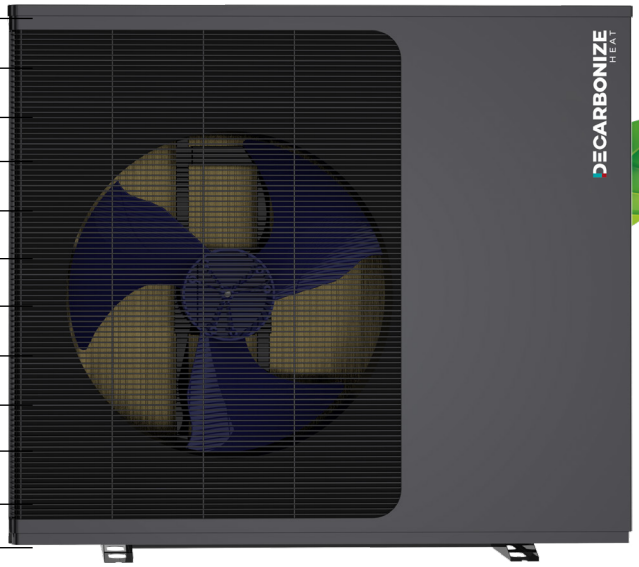
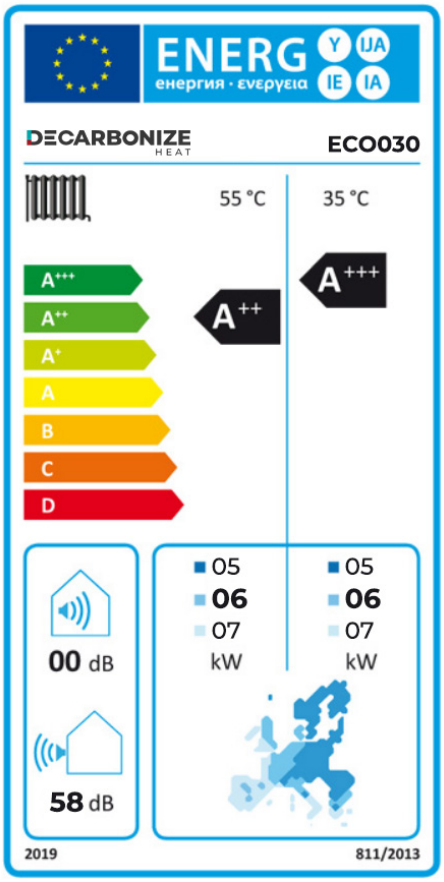
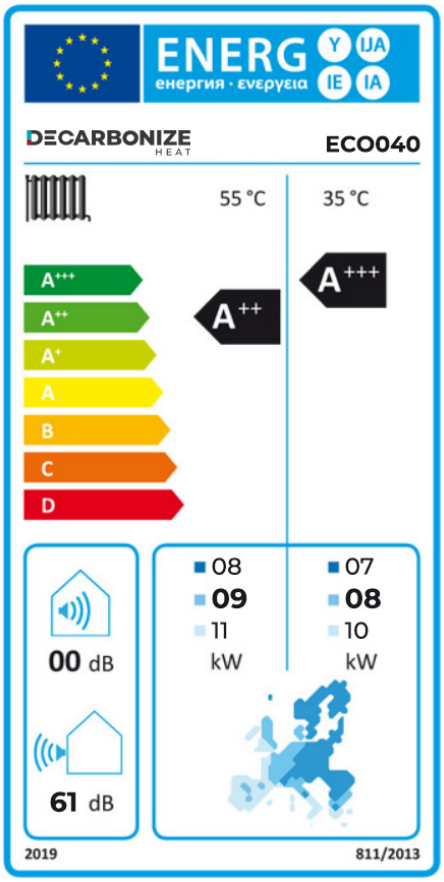
COOLING HEATING HOT WATER A+++ 4 GUARANTEE YEAR R290 ECO Friendly up SCOP to 4.69 SG Ready

	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°C	
Operating water Temp. (°C)	20~65°C (DHW)	
Operating water Temp. (°C)	20~70°C (Heating)	
Operating water Temp. (°C)	7~35°C (Cooling)	







Decarbonize Heat Pumps ECO050 & ECO060

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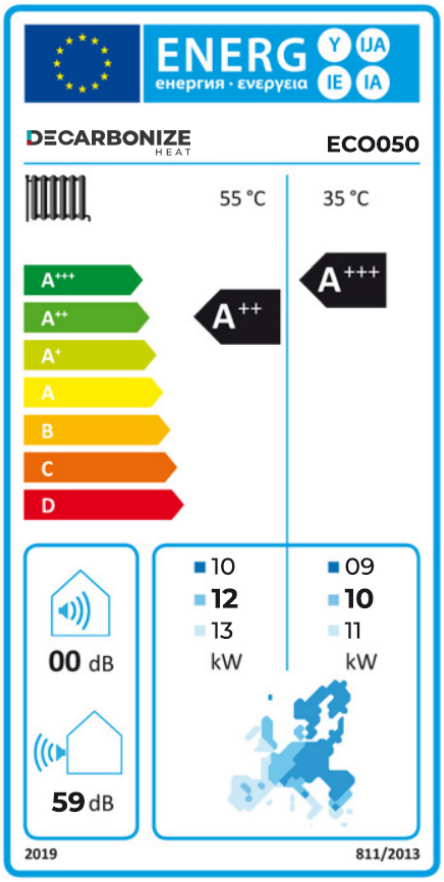
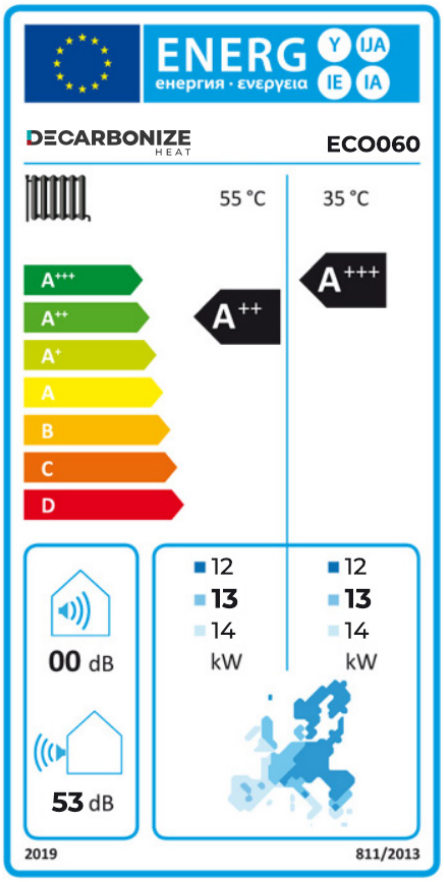
COOLING HEATING HOT WATER

A+++ | 4 YEAR GUARANTEE | 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°C	
Operating water Temp. (°C)	20~65°C (DHW)	
Operating water Temp. (°C)	20~70°C (Heating)	
Operating water Temp. (°C)	7~35°C (Cooling)	





Main features and technical specifications

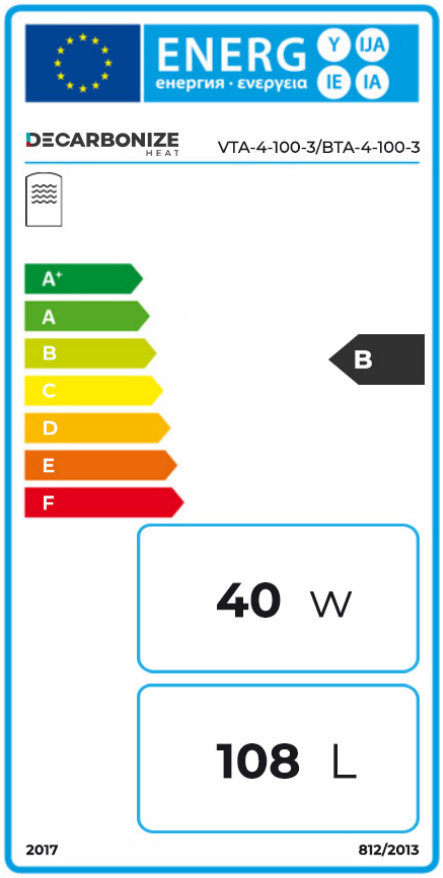
	ECO030	ECO040	ECO050	ECO060
Heating Condition - Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):30/35°C				
Heating capacity range (kw)	3.3~8.3	4.5~11.4	5.9~14.8	8.8~22.0
Heating input range (kw)	0.64~2.18	0.85~2.95	1.13~3.83	1.68~5.77
SCOP	4.64	4.65	4.6	4.69
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water 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)			

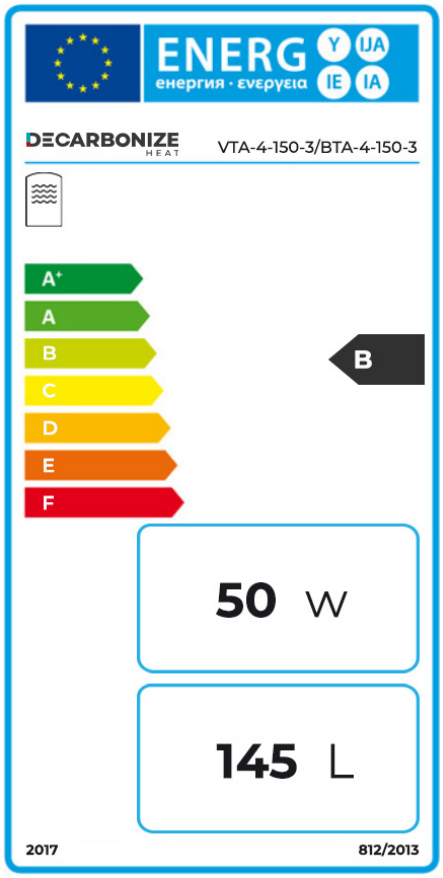
Decarbonize Buffer tank

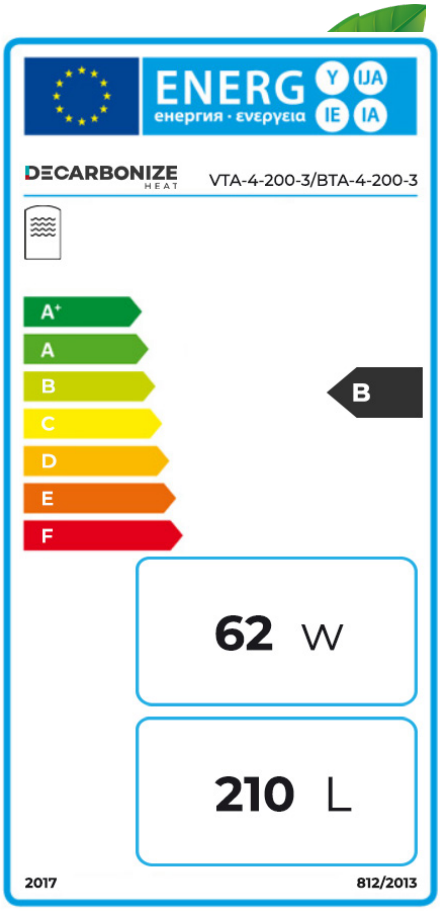
6 bar -10-95°C

SUITABLE FOR:.
COOLING&HEATING

		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








DECARBONIZE
HEAT

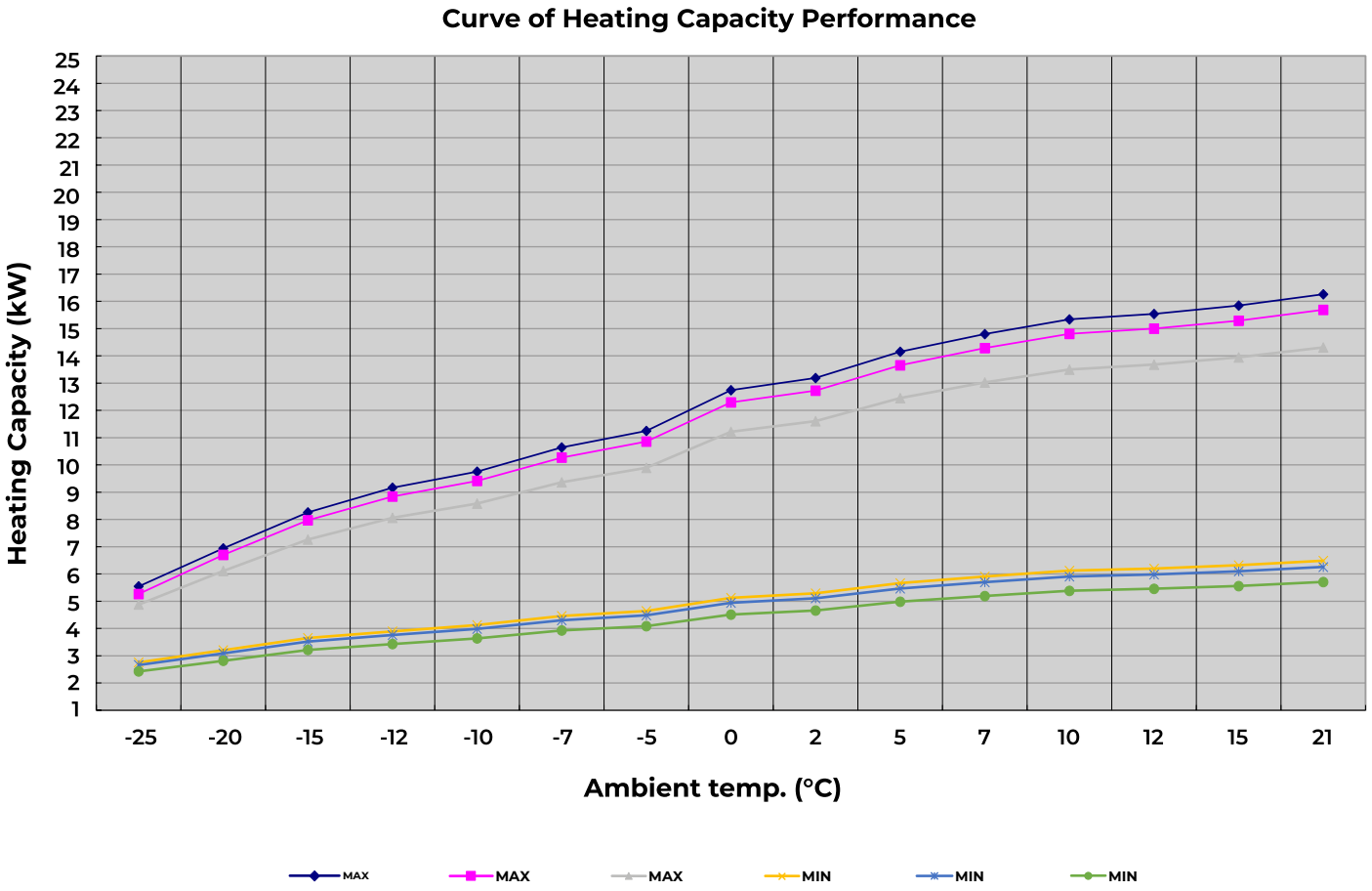
Technical data Decarbonize ECO030 | For heating

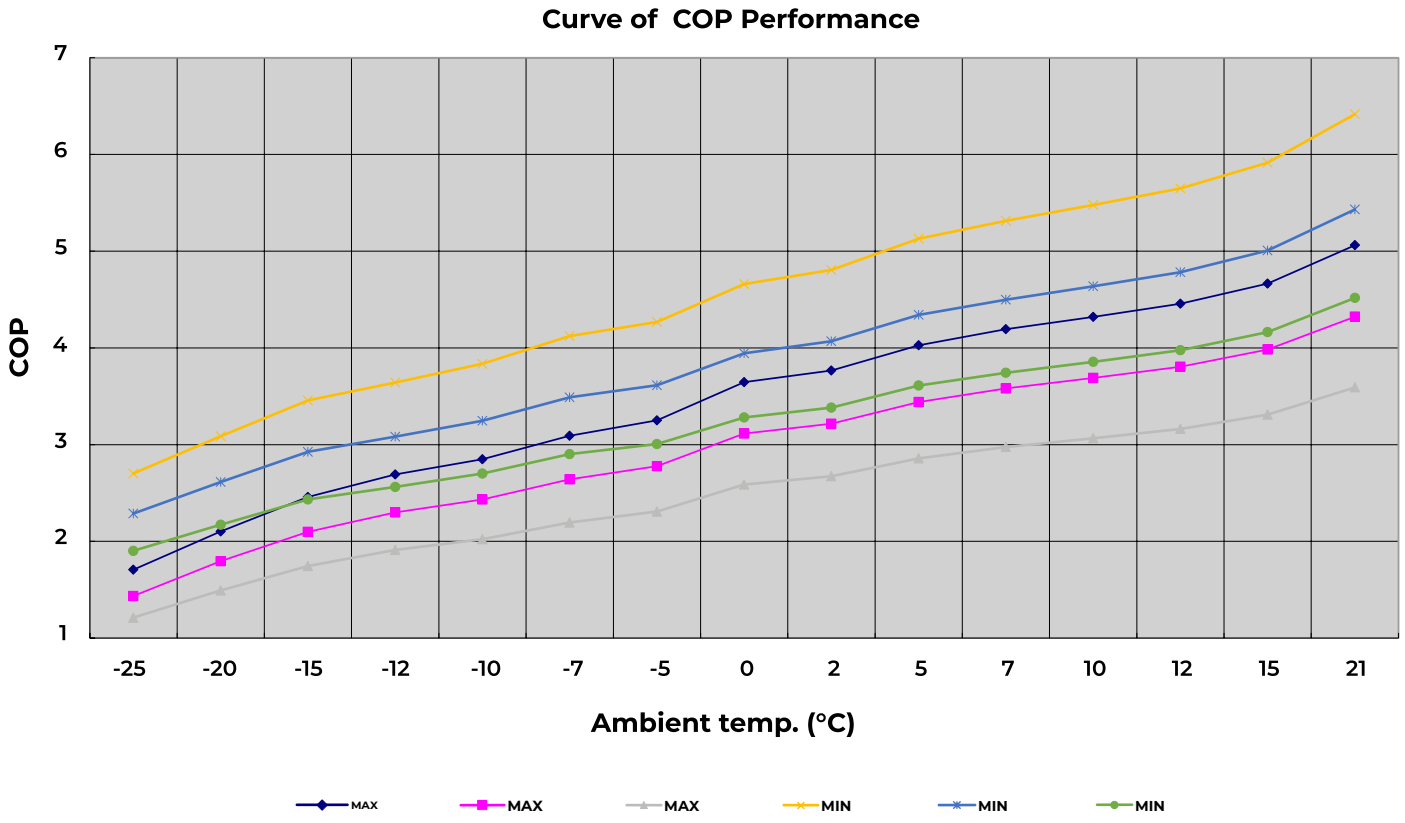
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 35(°C)	MAX	Heating capacity (kW)	3,3	4,2	5,0	5,5	5,9	6,4	6,8	7,7	7,9	8,5	8,9	9,2	9,3	9,5	9,8
		Input power (kW)	1,96	1,99	2,03	2,05	2,07	2,08	2,09	2,11	2,11	2,12	2,13	2,14	2,10	2,05	1,94
		COP	1,70	2,10	2,45	2,68	2,84	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

Technische Daten Decarbonize ECO030 | Für Heizung

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

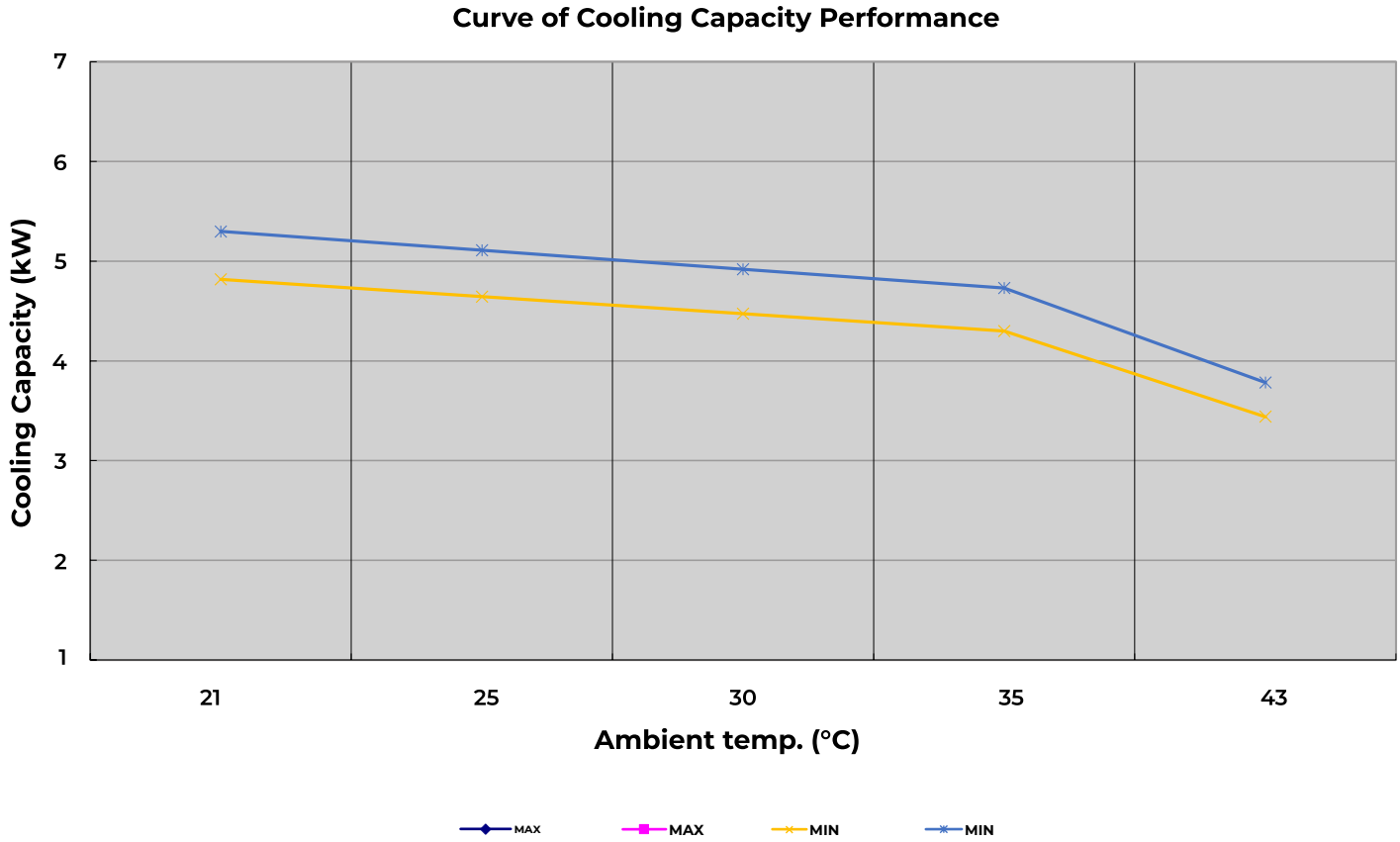
Technical data Decarbo ECO030 | For heating



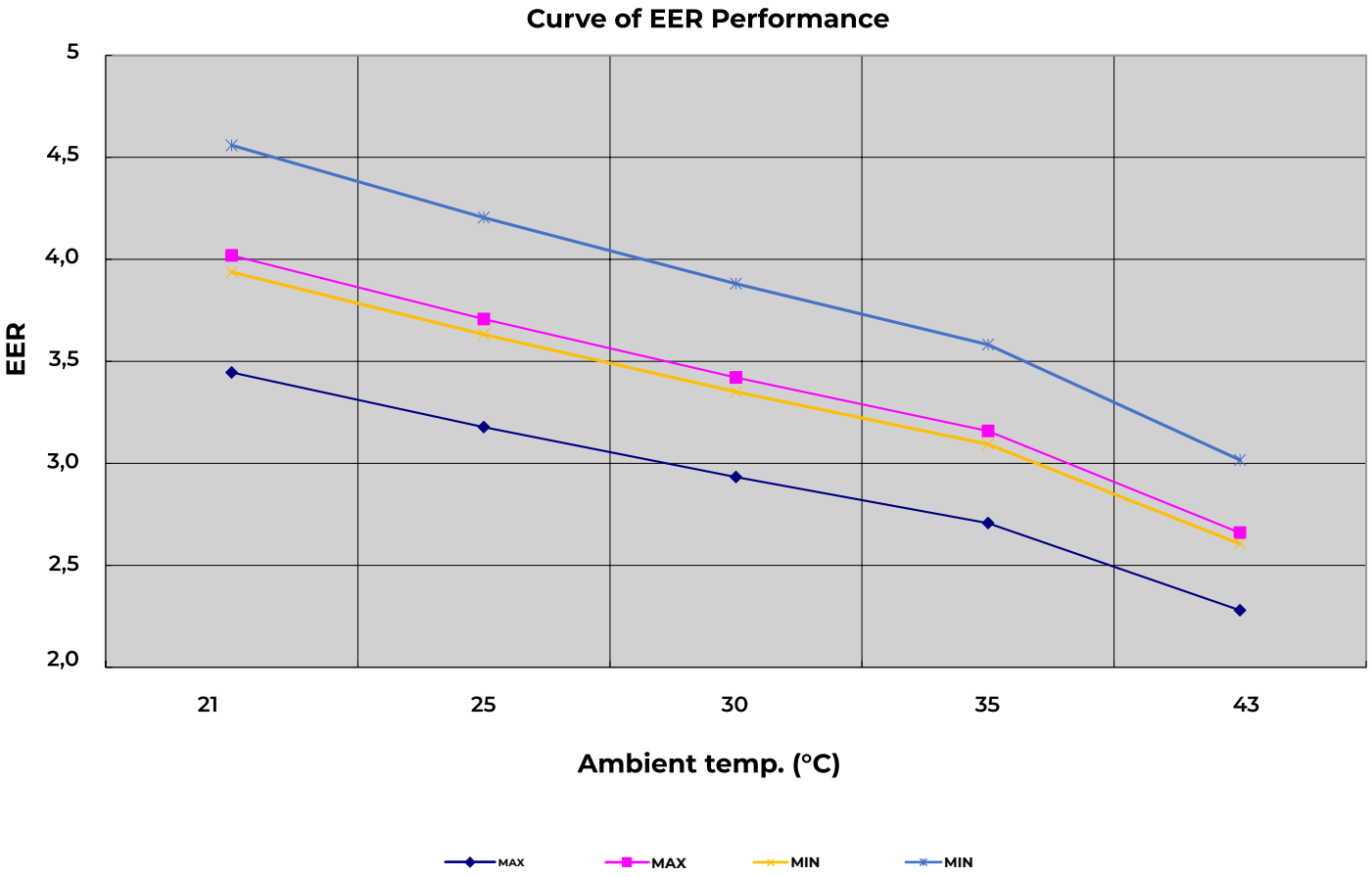


Technical data Decarbo ECO030 | For cooling

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



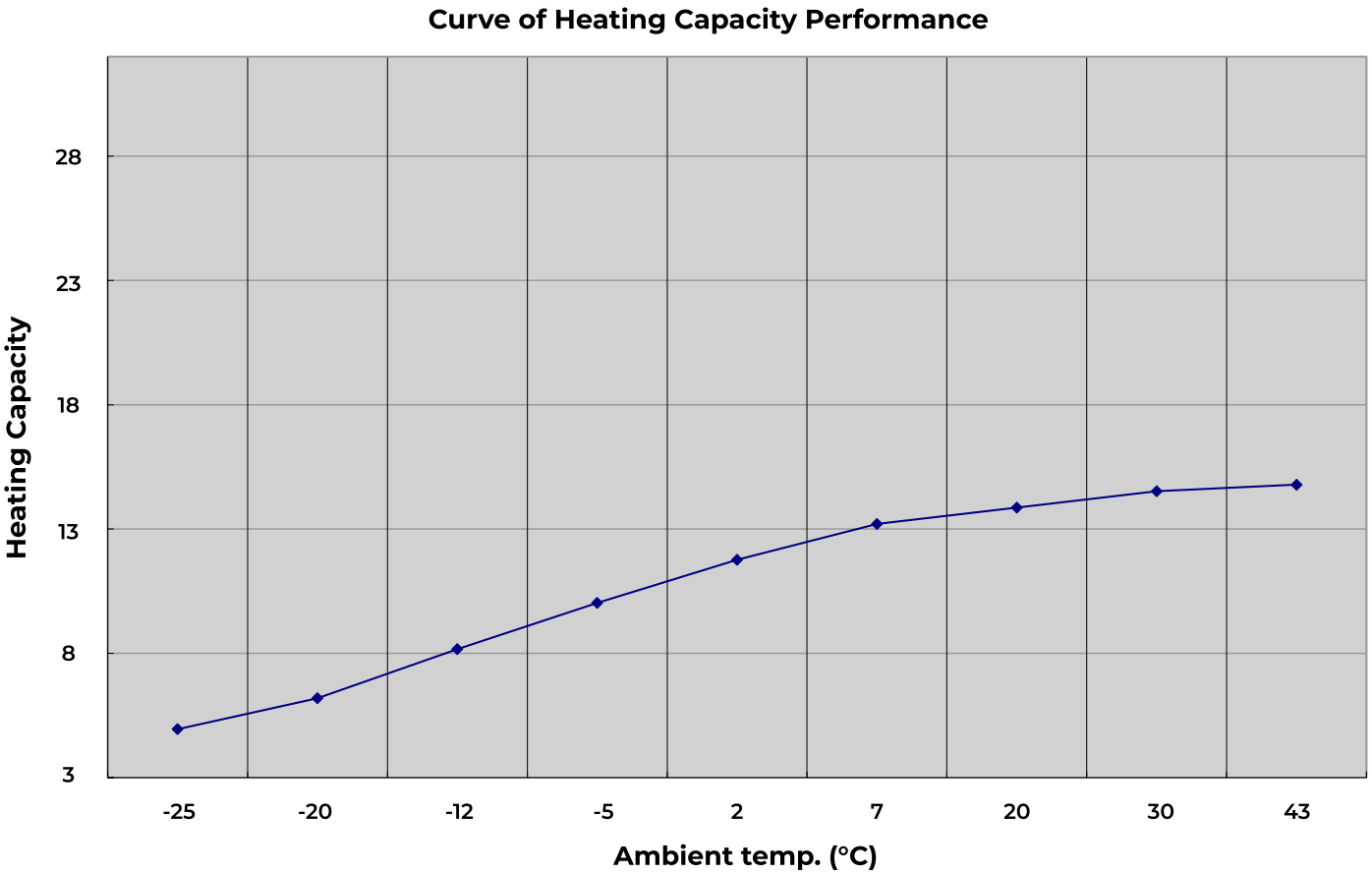
Technical data Decarbo ECO030 | For cooling

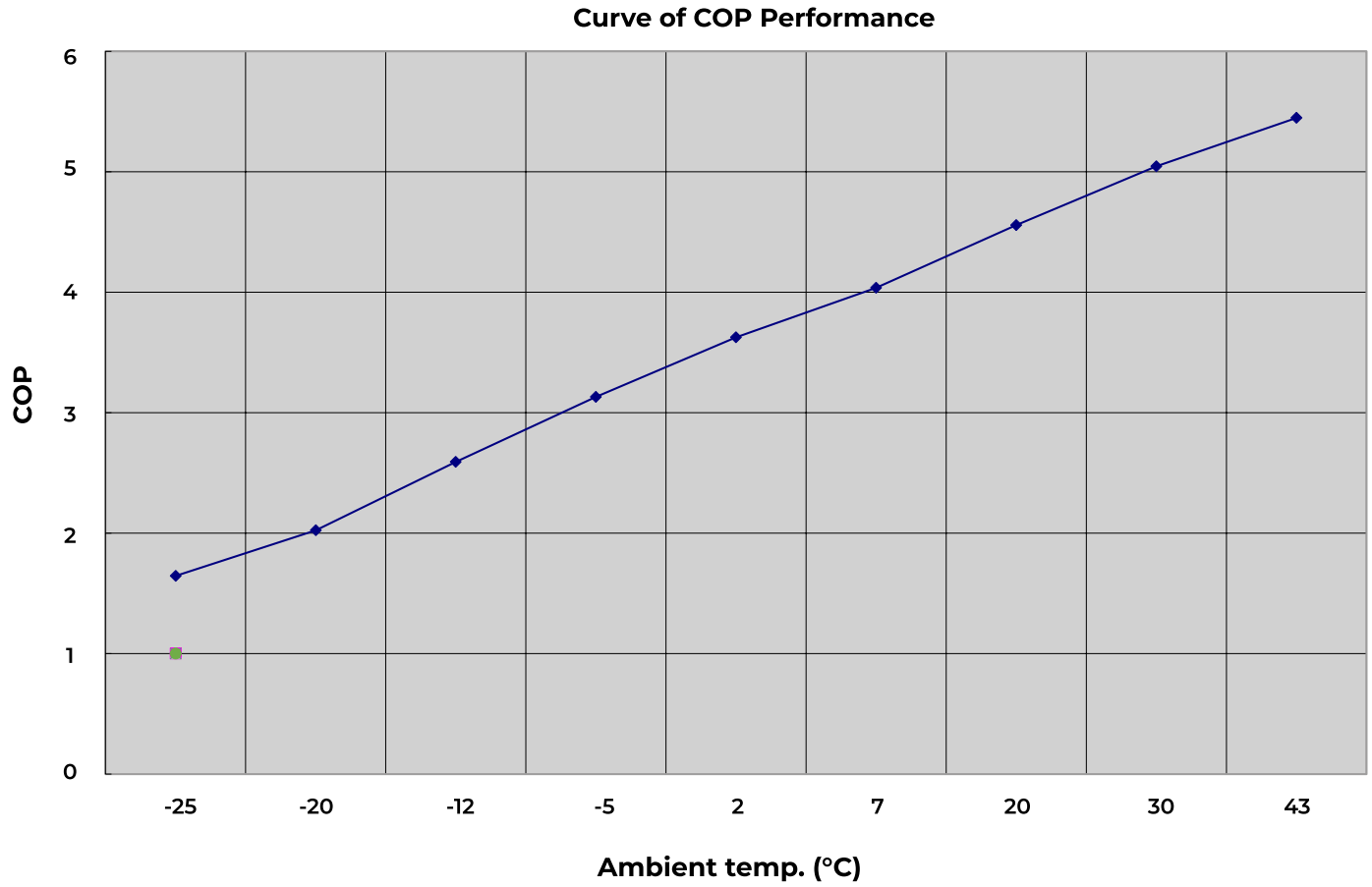


Technical data Decarbo ECO030 | For DHW

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





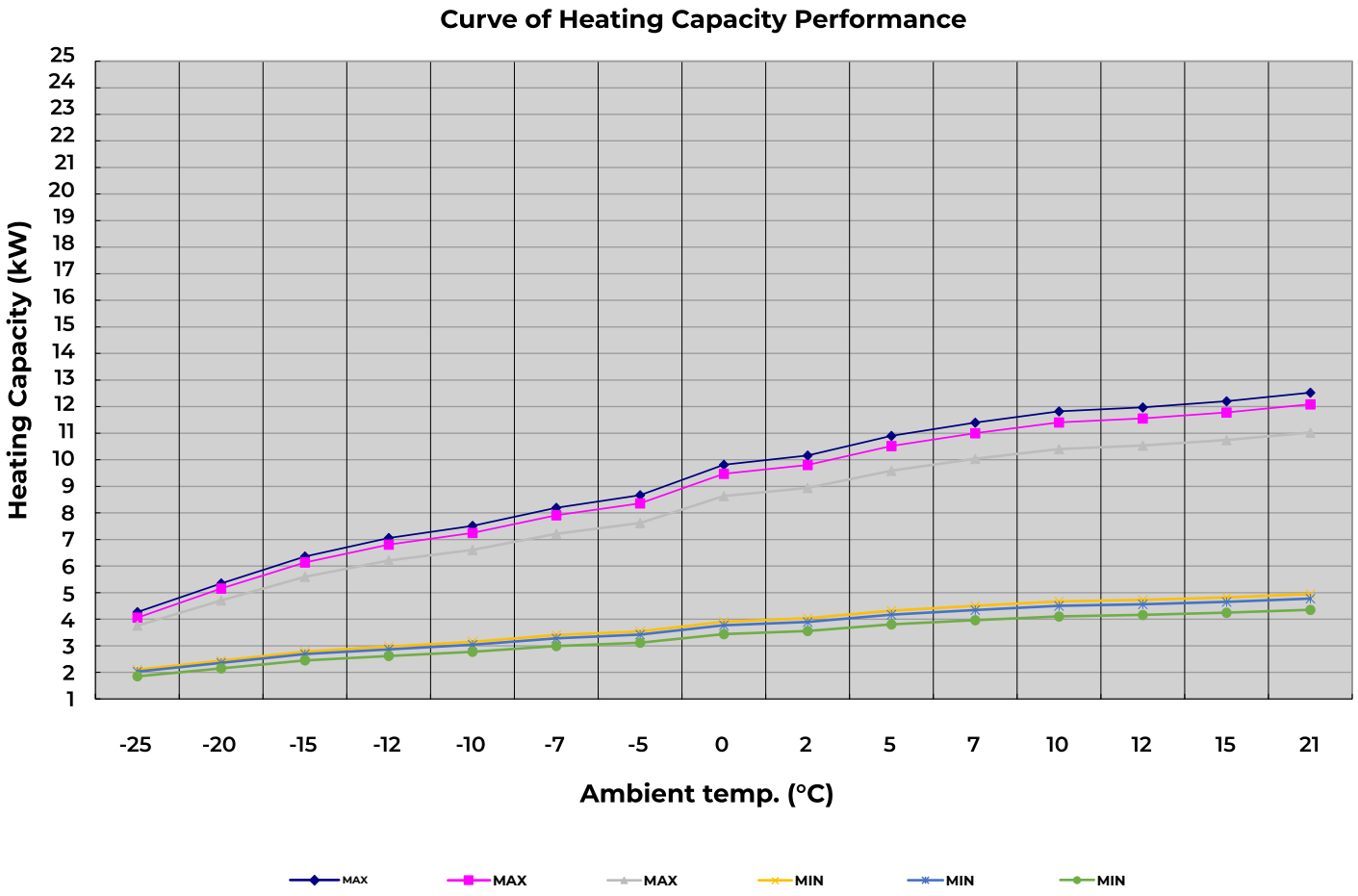
Technical data Decarbo ECO040 | For heating

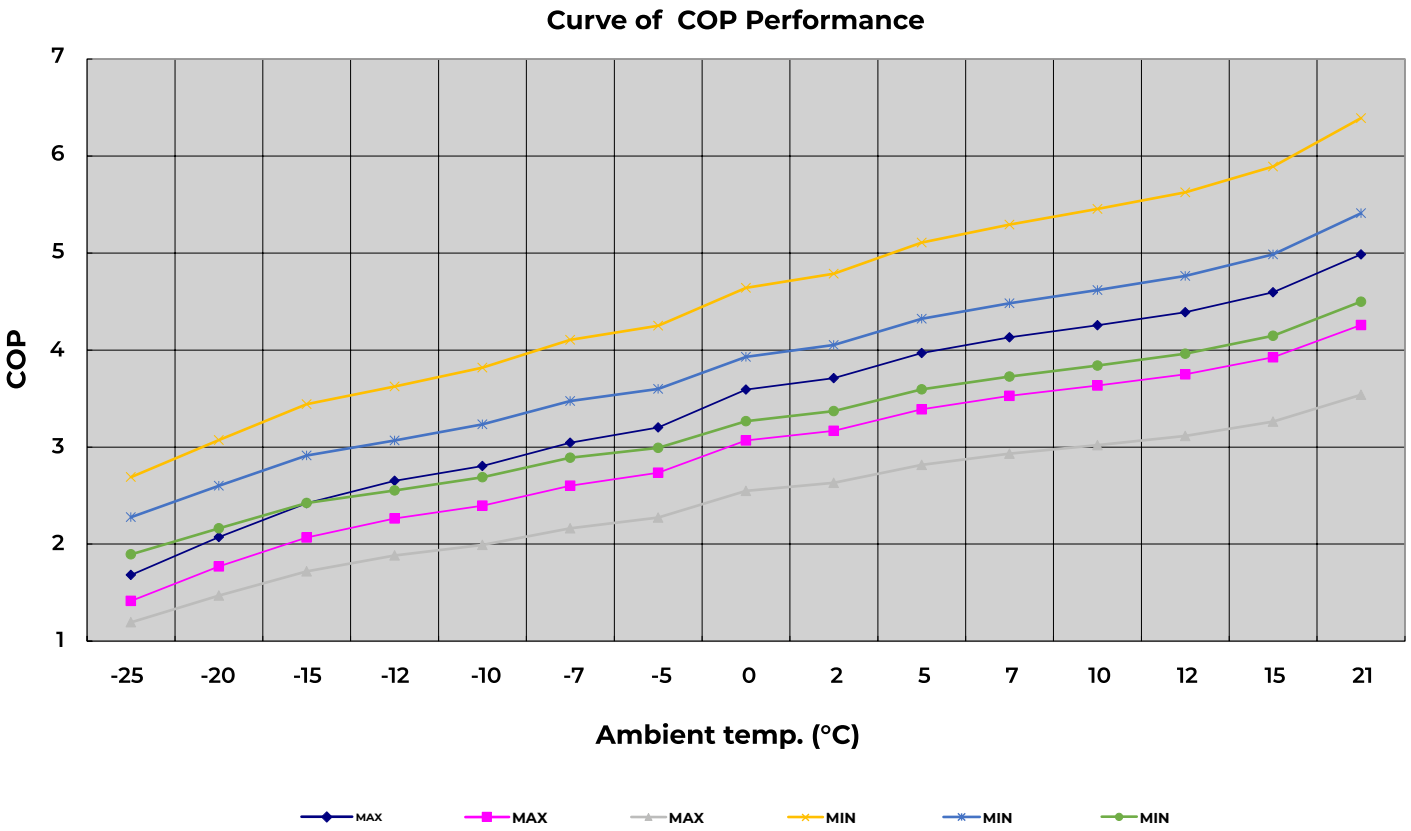
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 35(°C)	MAX	Heating capacity (kW)	4,3	5,3	6,4	7,1	7,5	8,2	8,7	9,8	10,2	10,9	11,4	11,8	12,0	12,2	12,5
		Input power (kW)	2,54	2,58	2,63	2,66	2,68	2,69	2,70	2,73	2,74	2,75	2,76	2,78	2,73	2,66	2,51
		COP	1,68	2,07	2,42	2,65	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

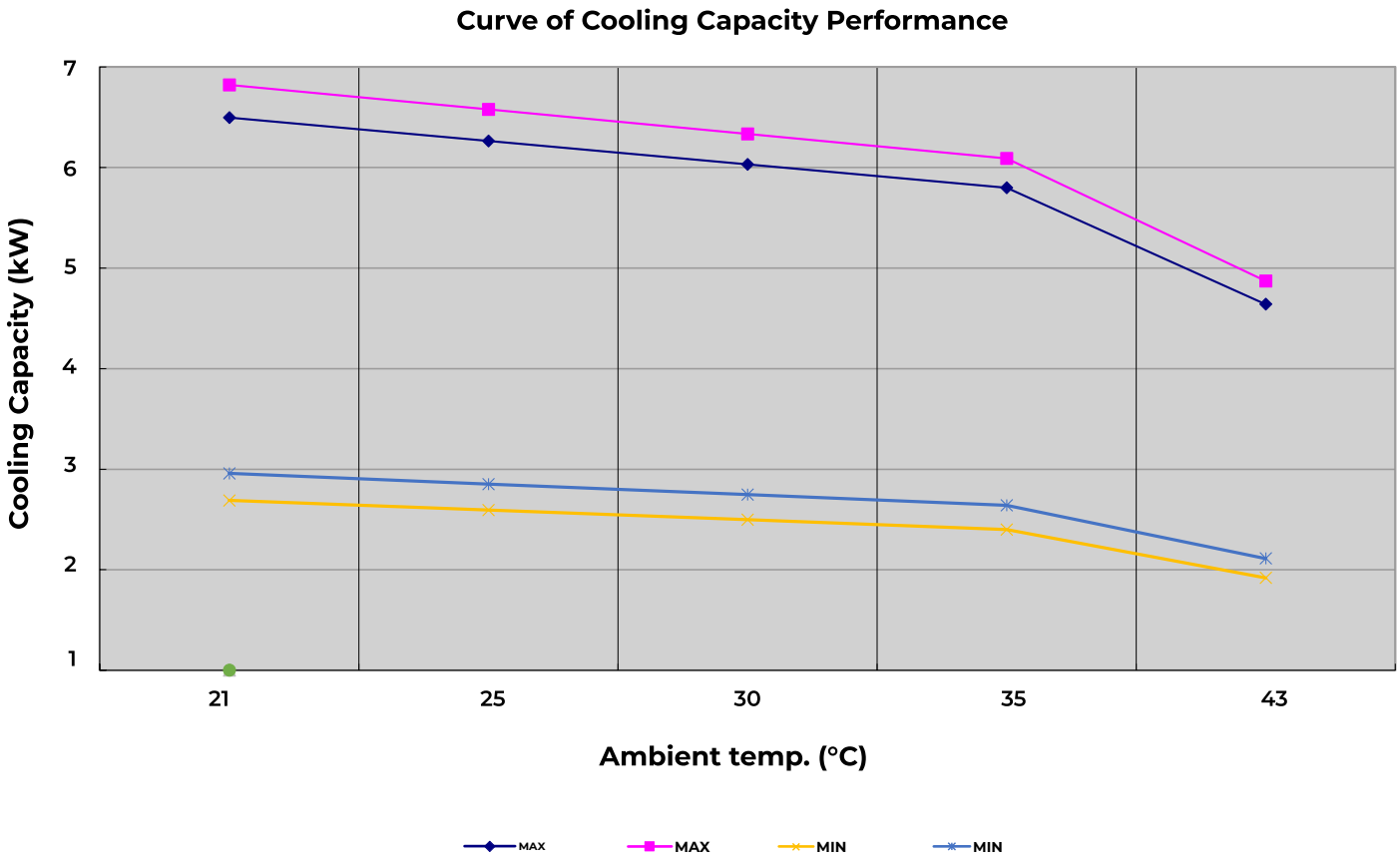
Technical data Decarbo ECO040 | For heating



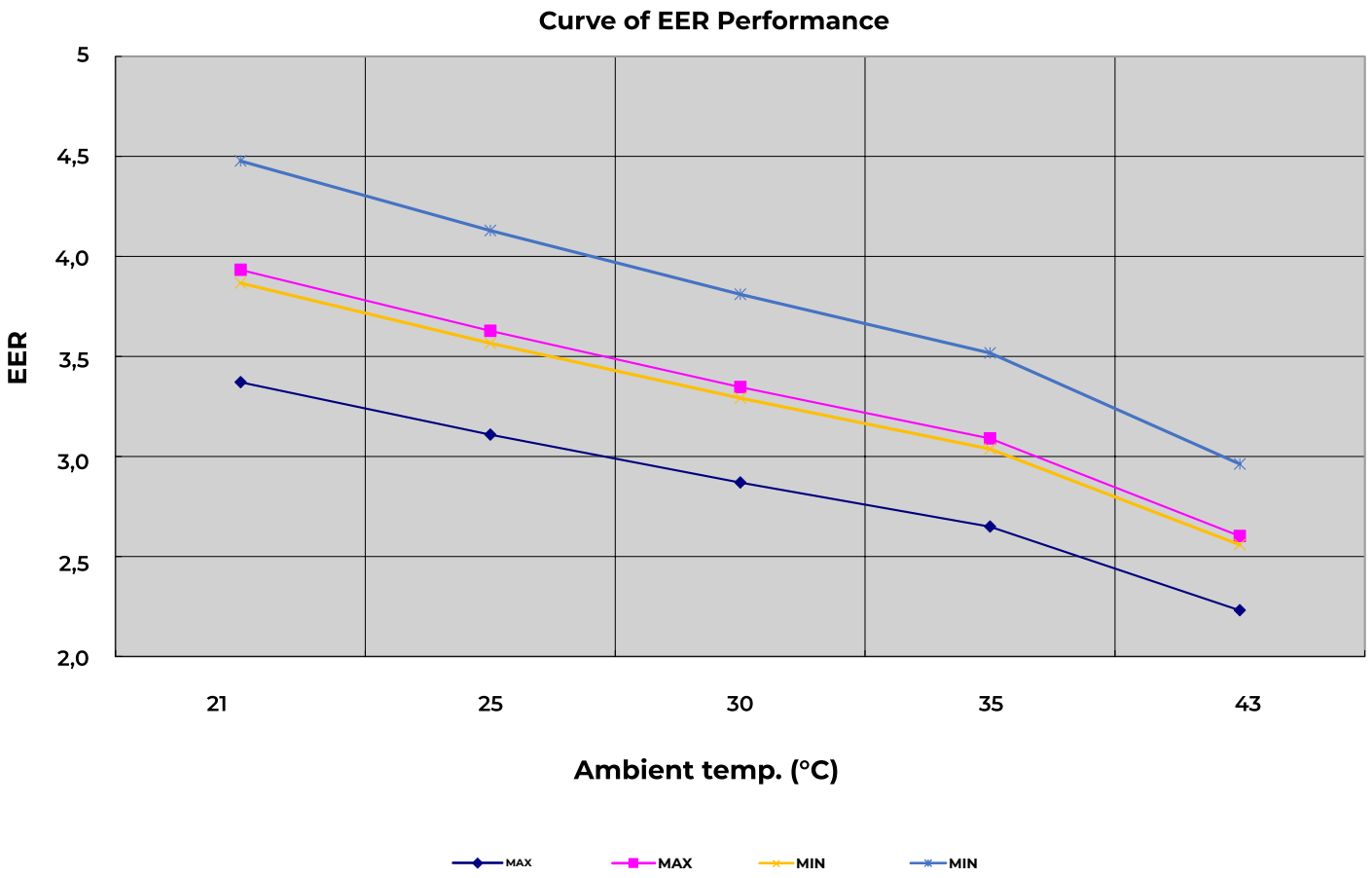


Technical data Decarbo ECO040 | For cooling

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



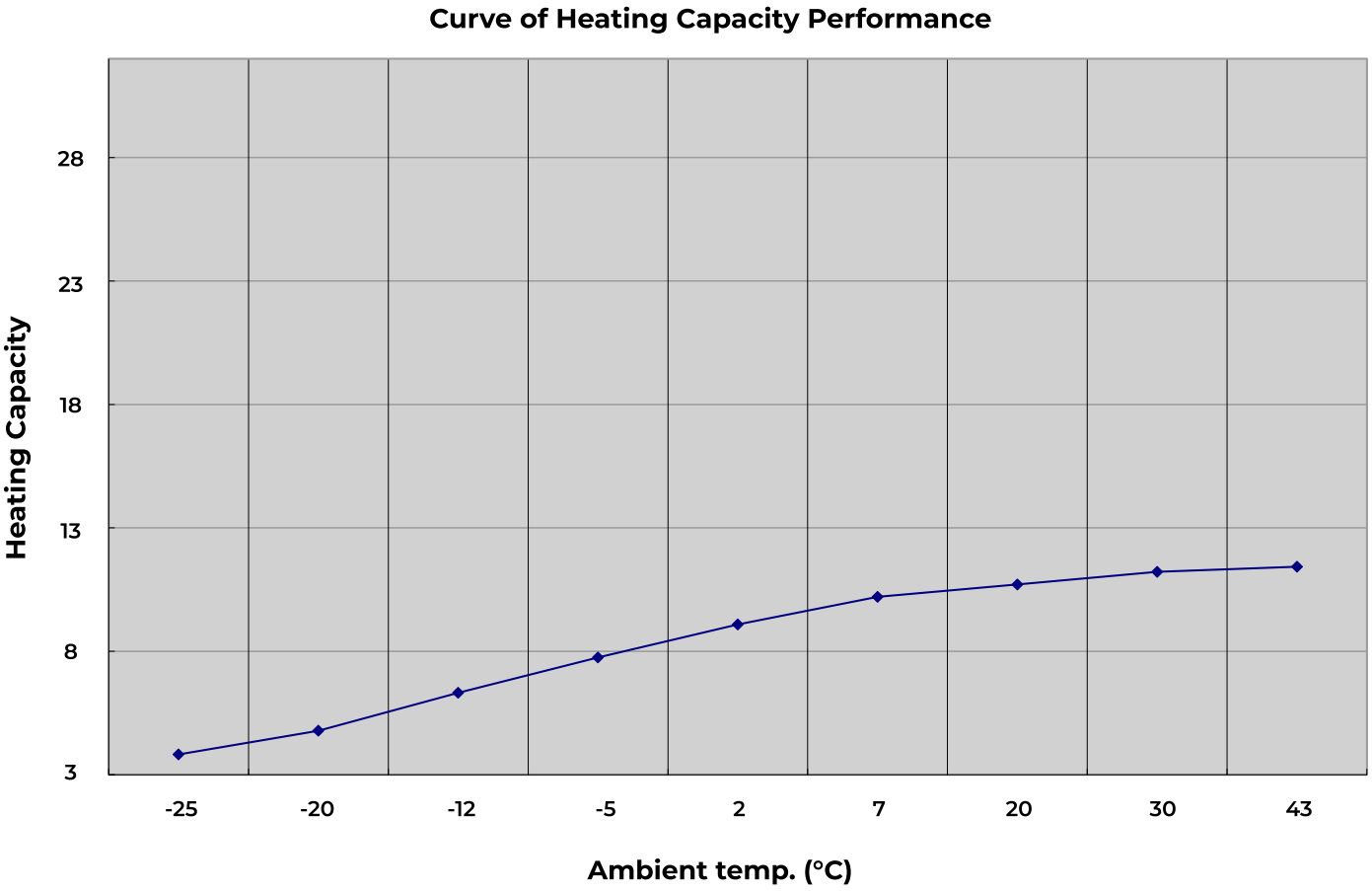
Technical data Decarbo ECO040 | For cooling

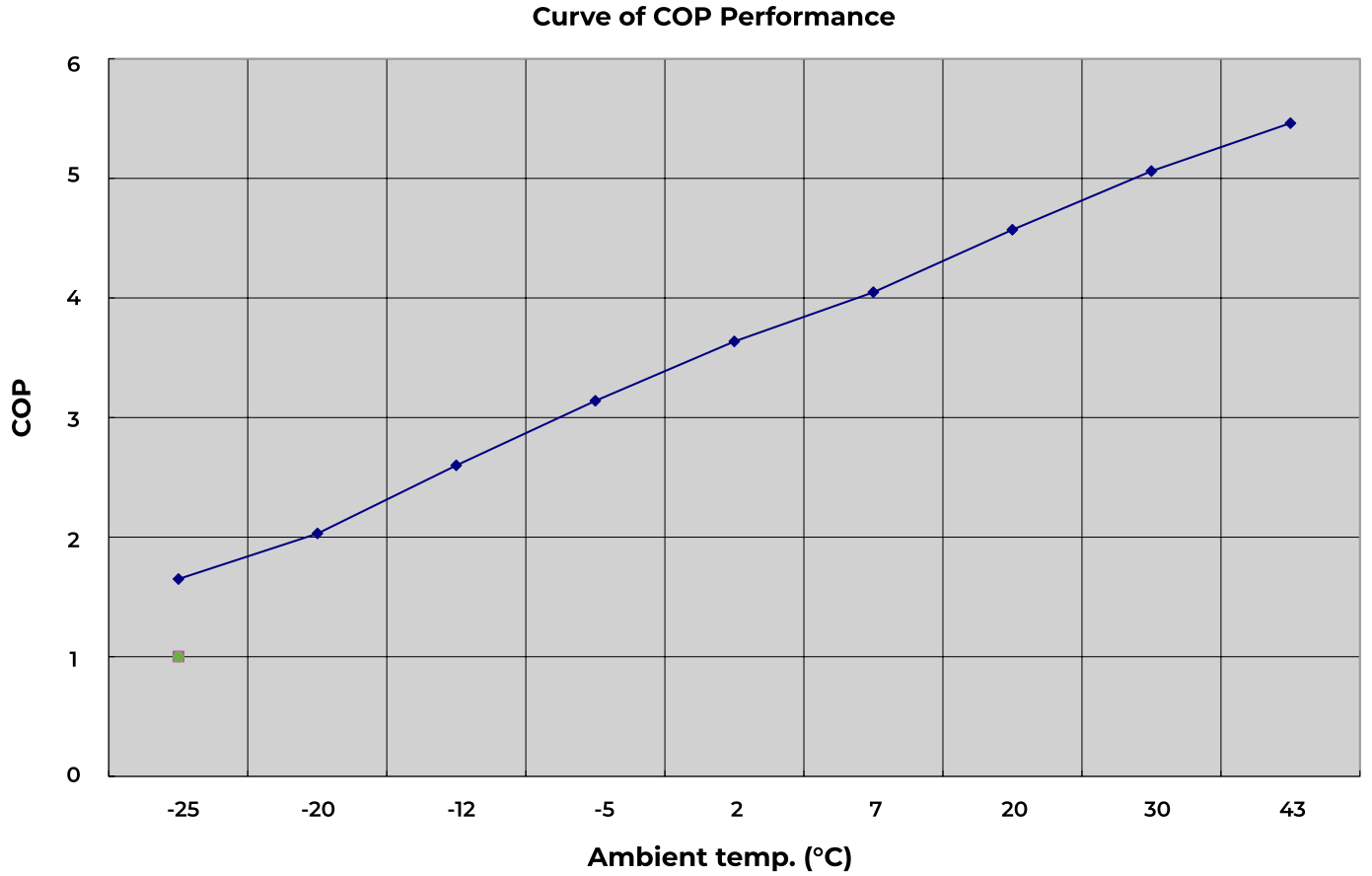


Technical data Decarbo ECO040 | For DHW

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





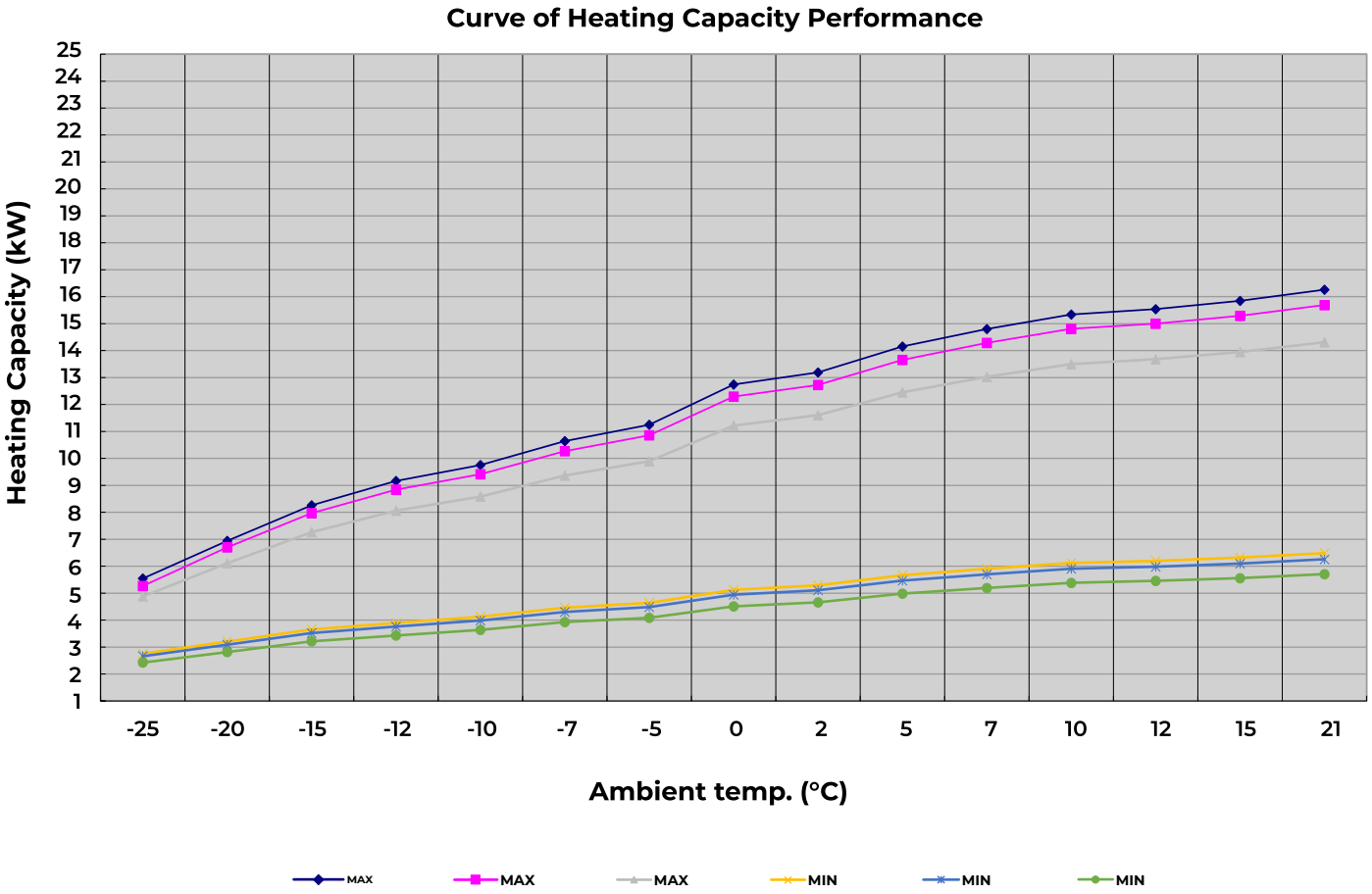
Technical data Decarbo ECO050 | For heating

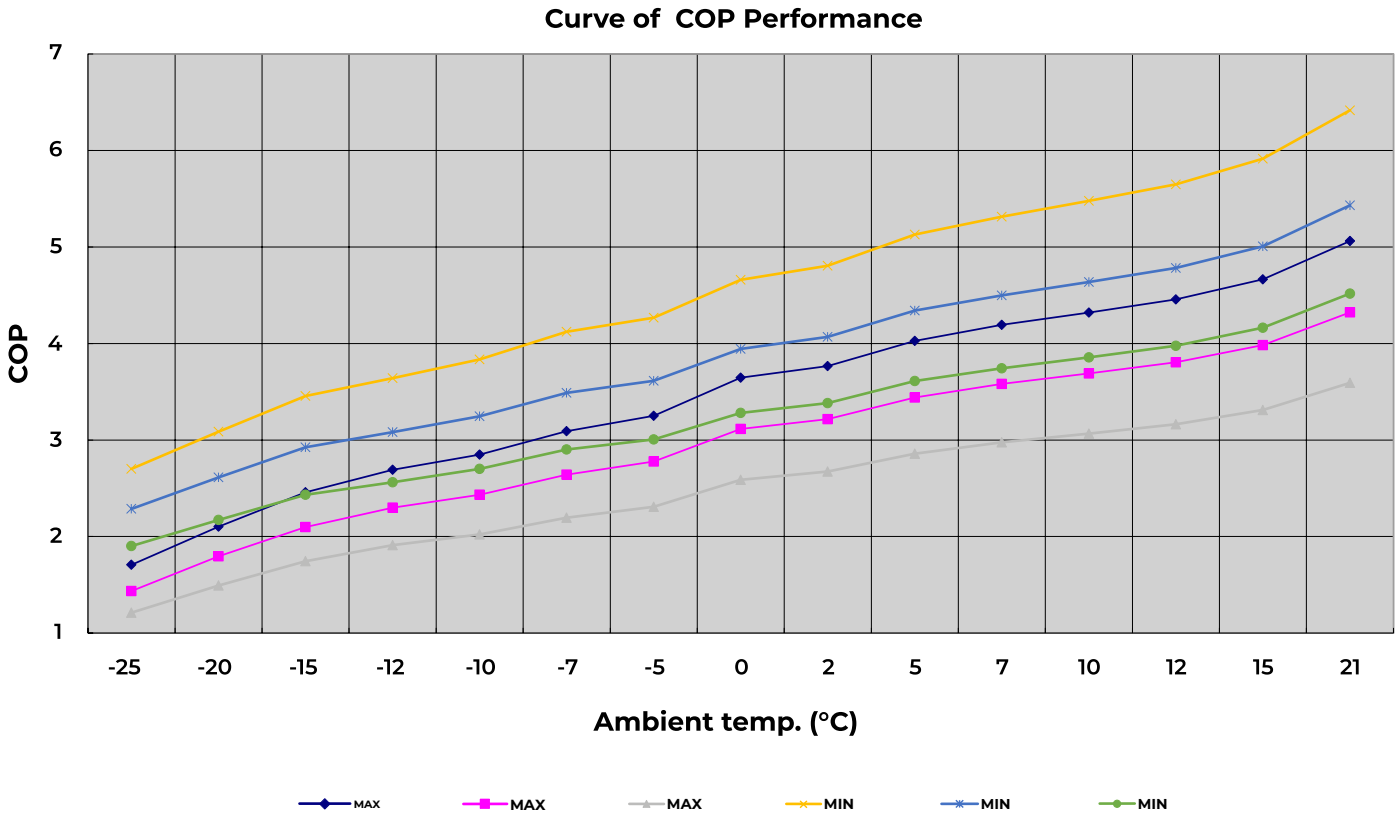
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 35(°C)	MAX	Heating capacity (kW)	5,5	6,9	8,3	9,2	9,8	10,6	11,2	12,7	13,2	14,1	14,8	15,3	15,5	15,8	16,3
		Input power (kW)	3,25	3,30	3,36	3,40	3,42	3,44	4,46	3,49	3,50	3,51	3,53	3,55	3,49	3,40	3,21
		COP	1,71	2,10	2,46	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

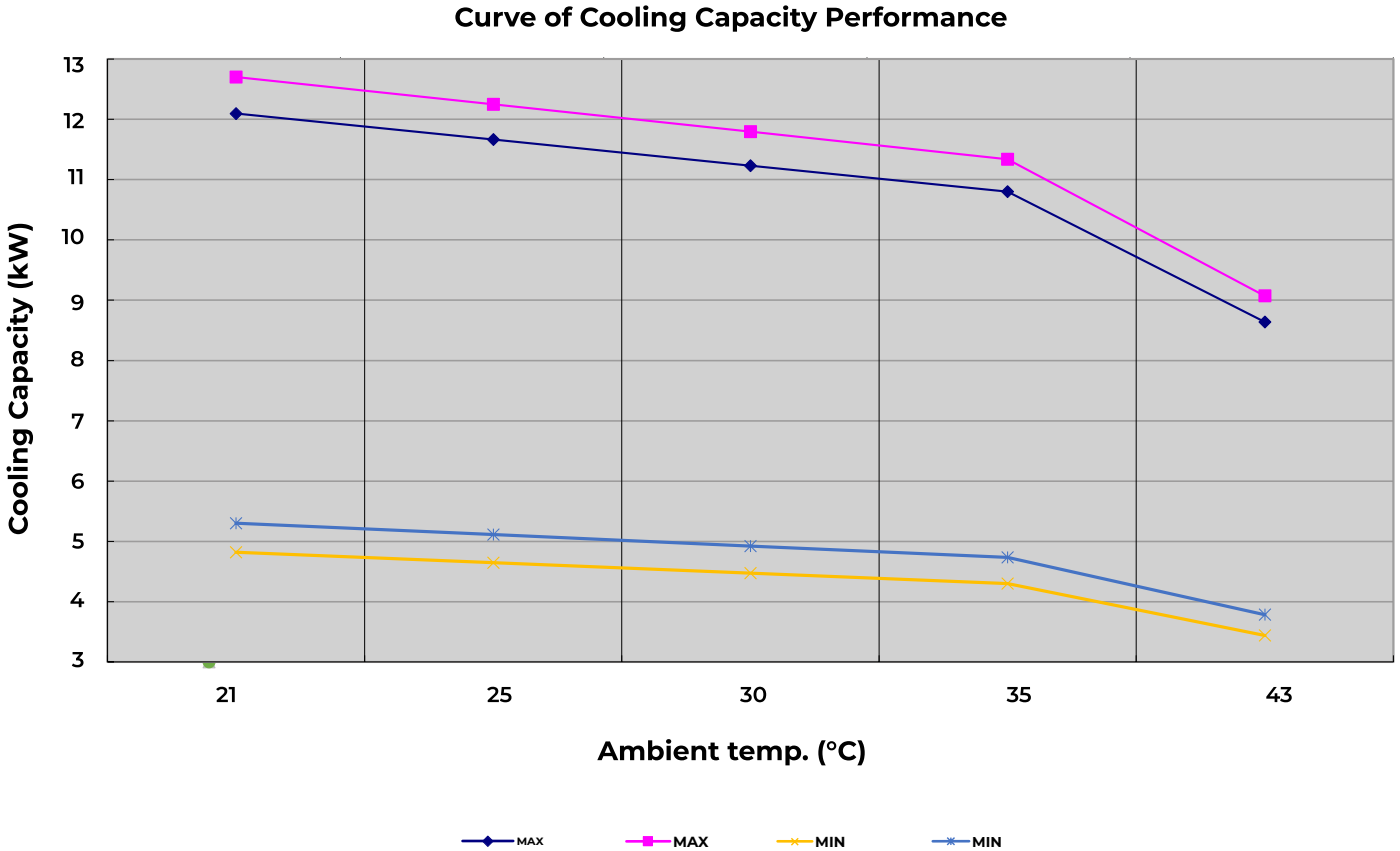
Technical data Decarbo ECO050 | For heating



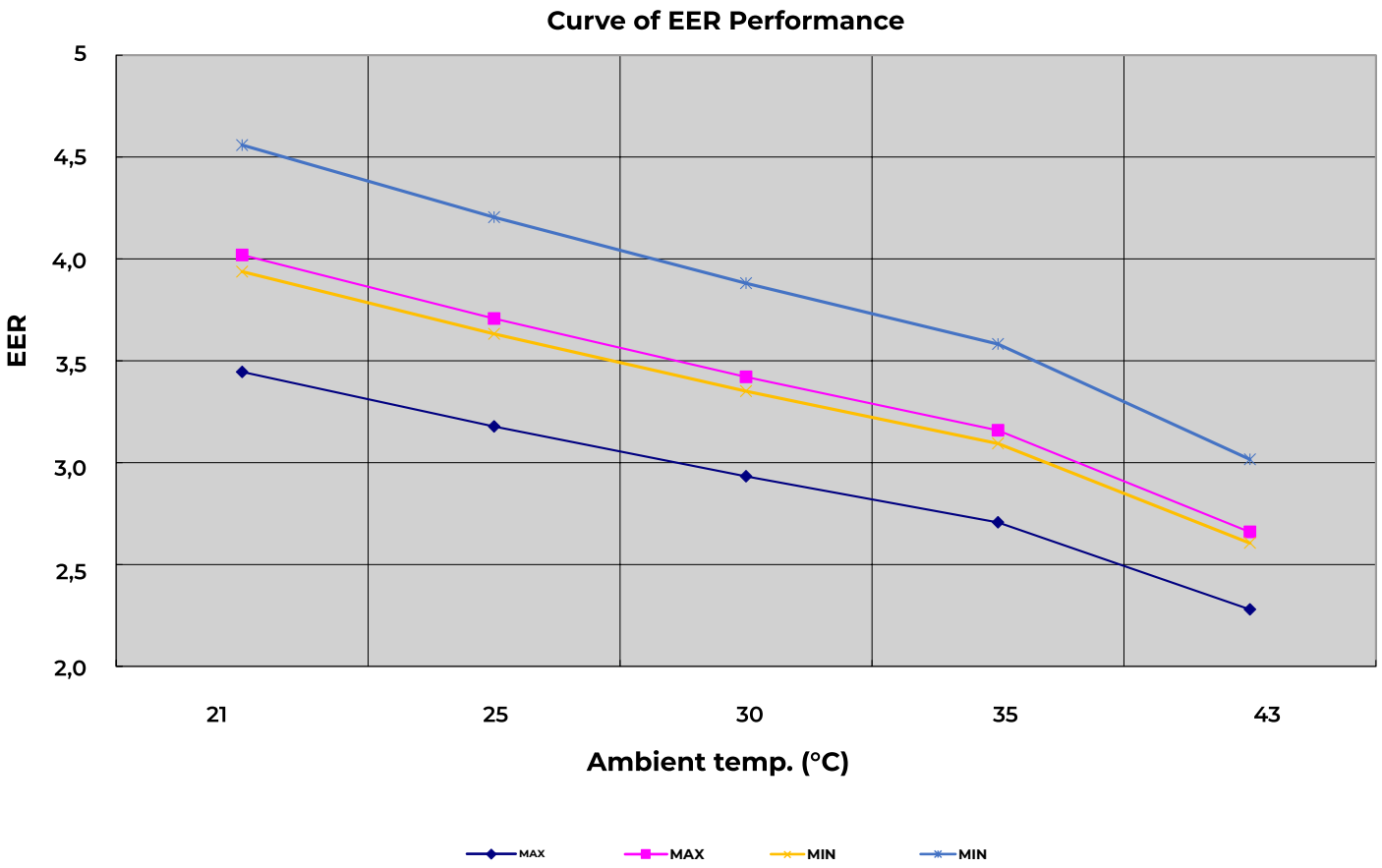


Technical data Decarbo ECO050 | For cooling

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



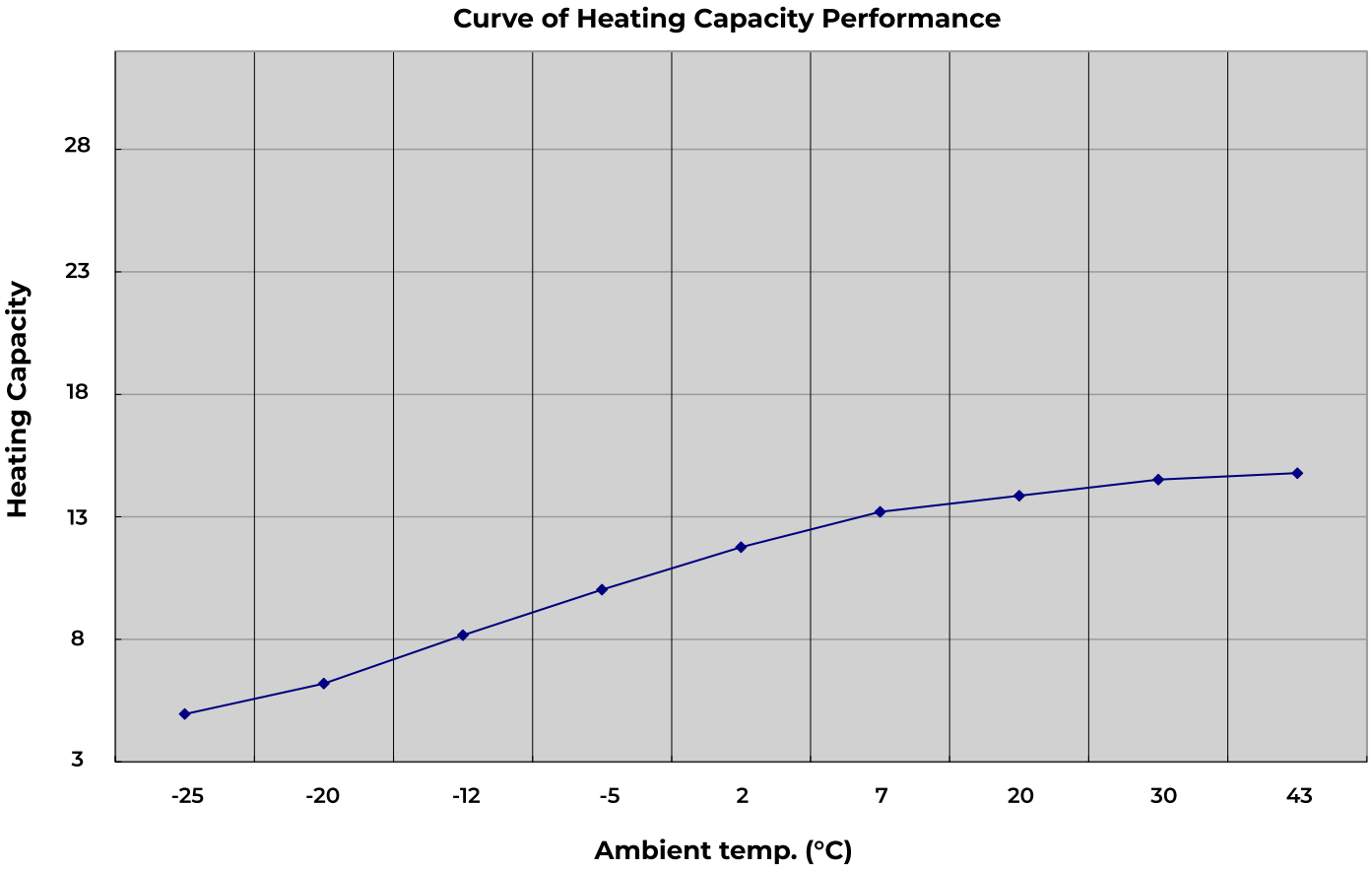
Technical data Decarbo ECO050 | For cooling

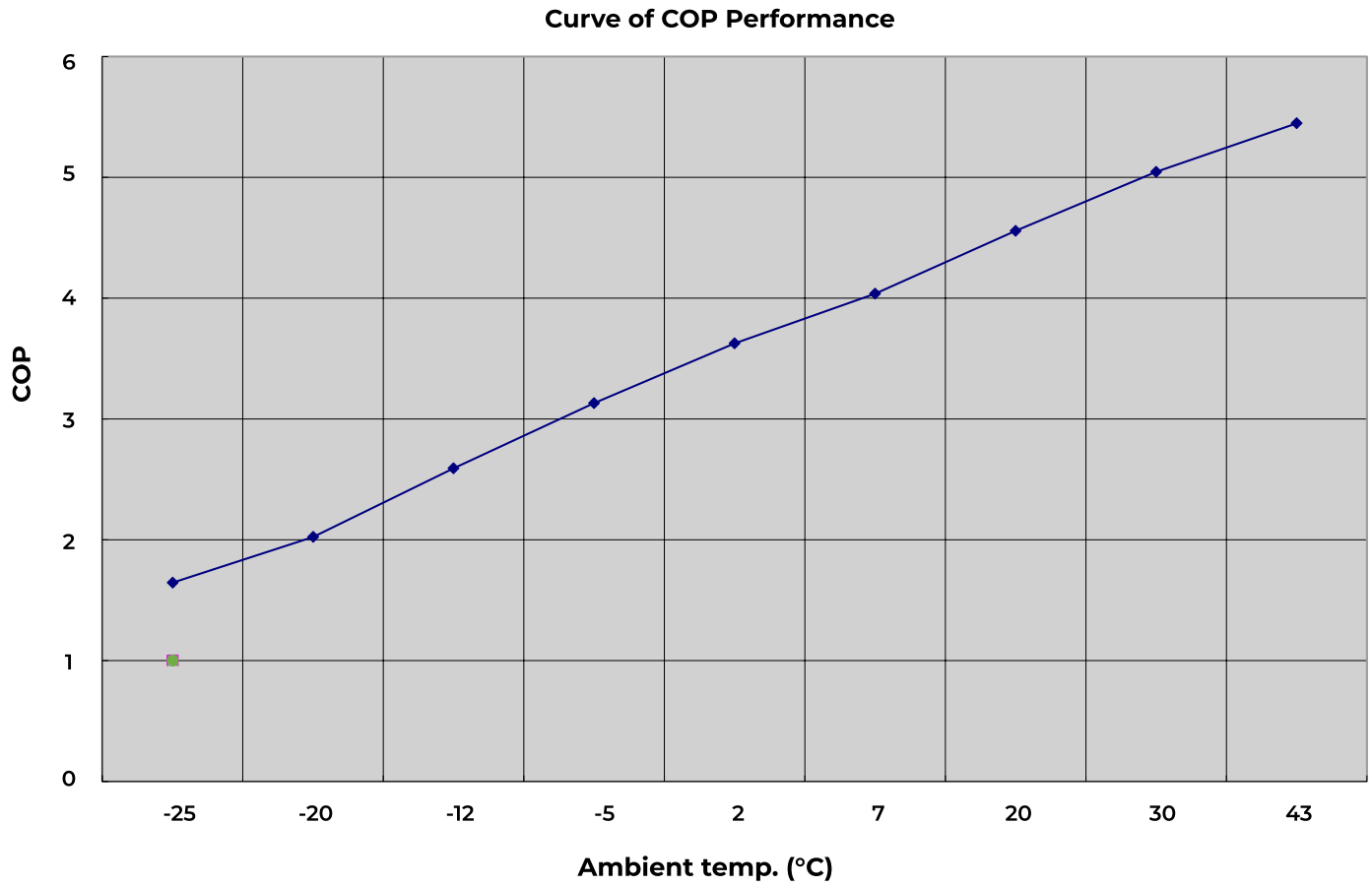


Technical data Decarbo ECO040 | For DHW

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





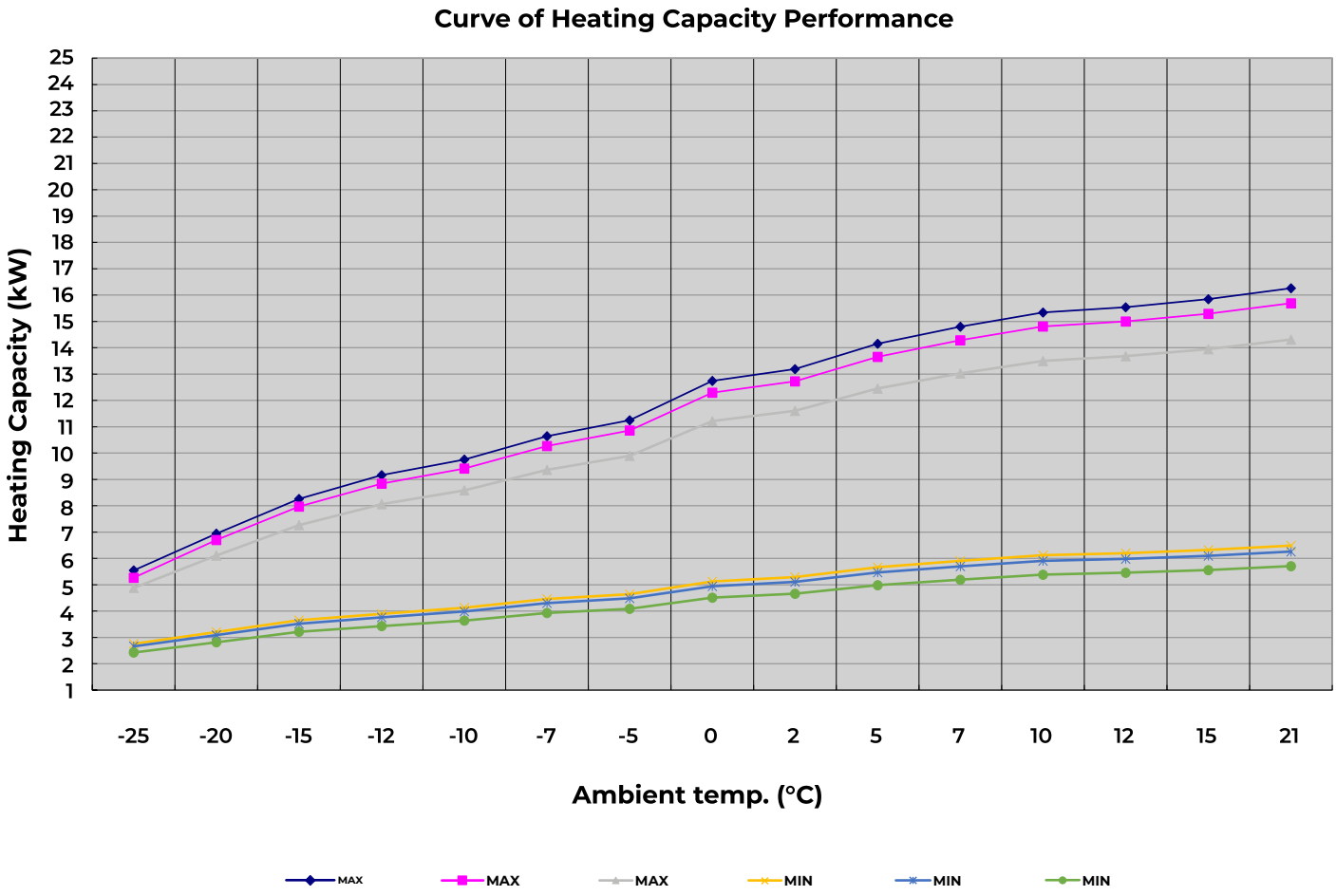
Technical data Decarbo ECO060 | For heating

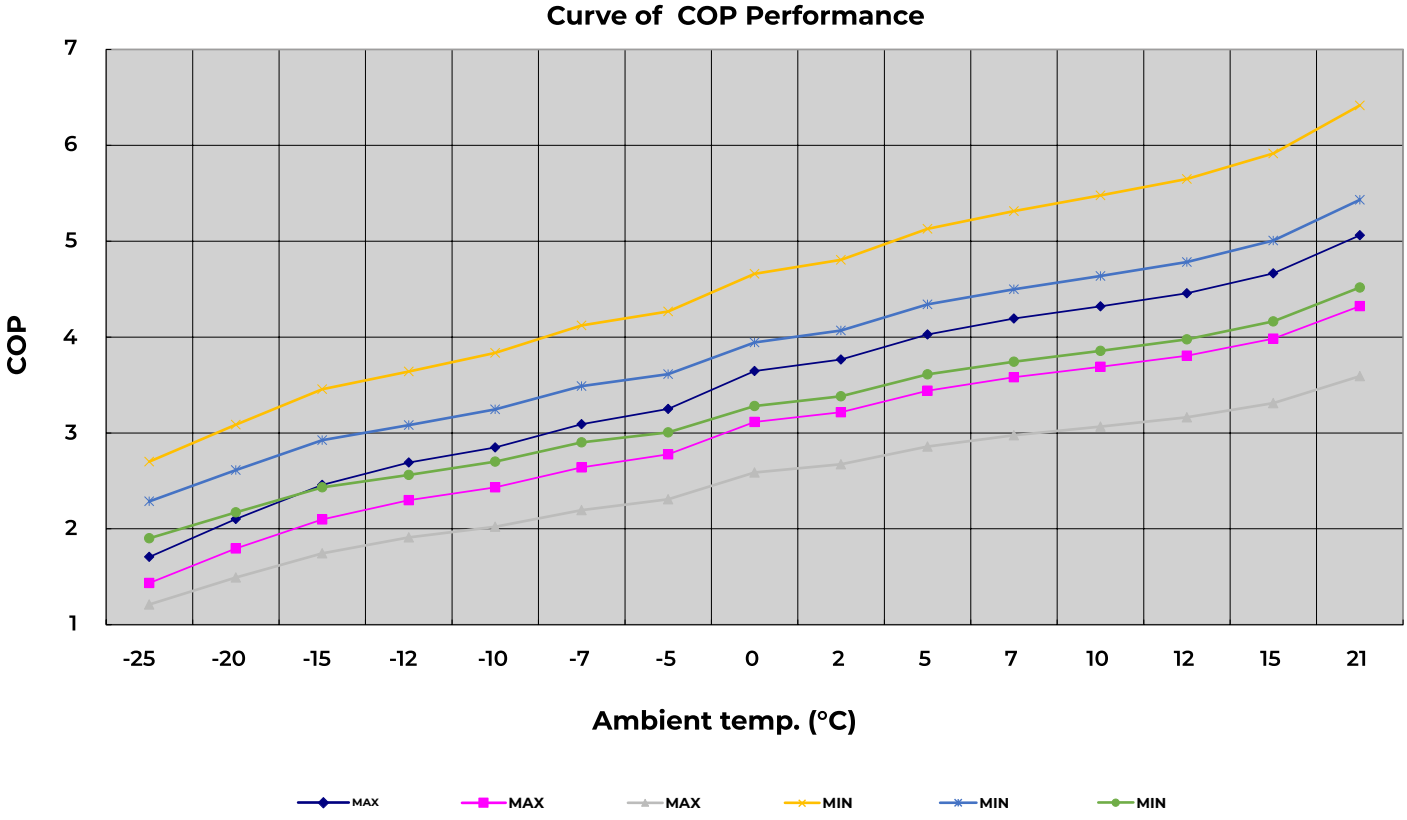
Ambient temp.(°C)			-25	-20	-15	-12	-10	-7	-5	0	2	5	7	10	12	15	21
Water temp. outlet 35(°C)	MAX	Heating capacity (kW)	8,2	10,3	12,3	13,6	14,5	15,8	16,7	18,9	19,6	21,0	22,0	22,8	23,1	23,5	24,2
		Input power (kW)	4,87	4,95	5,04	5,10	5,13	5,16	5,18	5,24	5,25	5,26	5,29	5,32	5,23	5,09	4,81
		COP	1,69	2,09	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

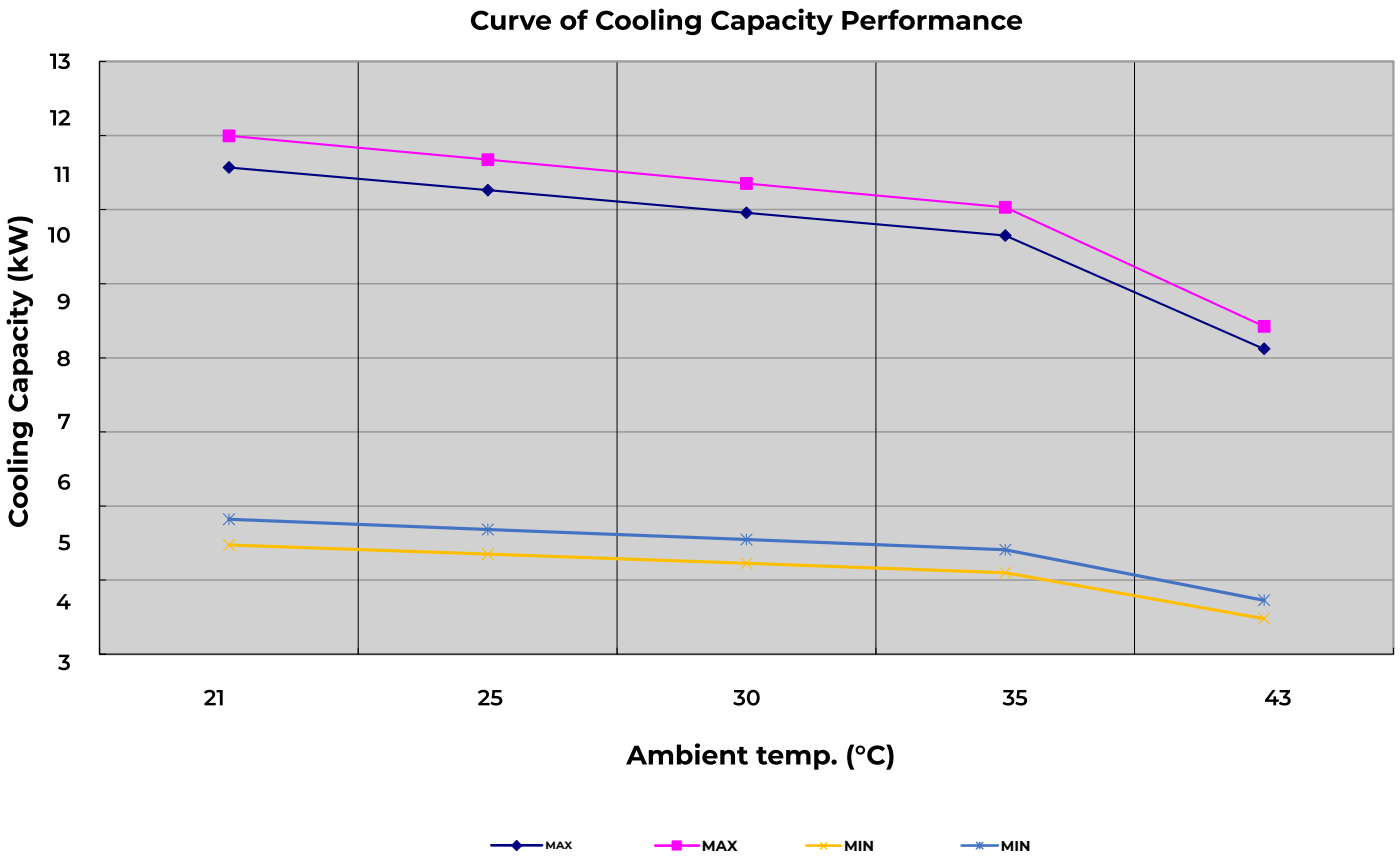
Technical data Decarbo ECO060 | For heating



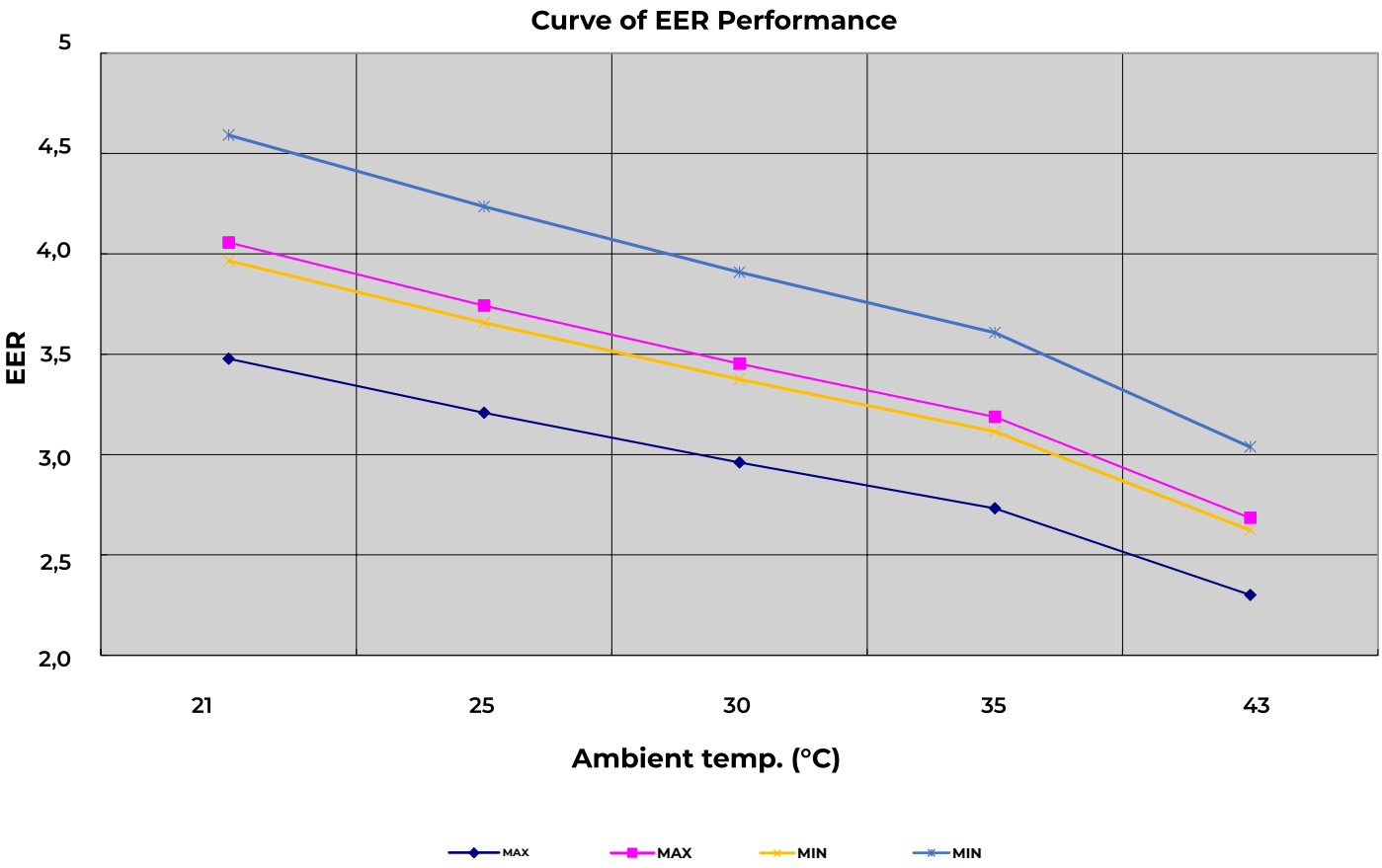


Technical data Decarbo ECO060 | For cooling

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



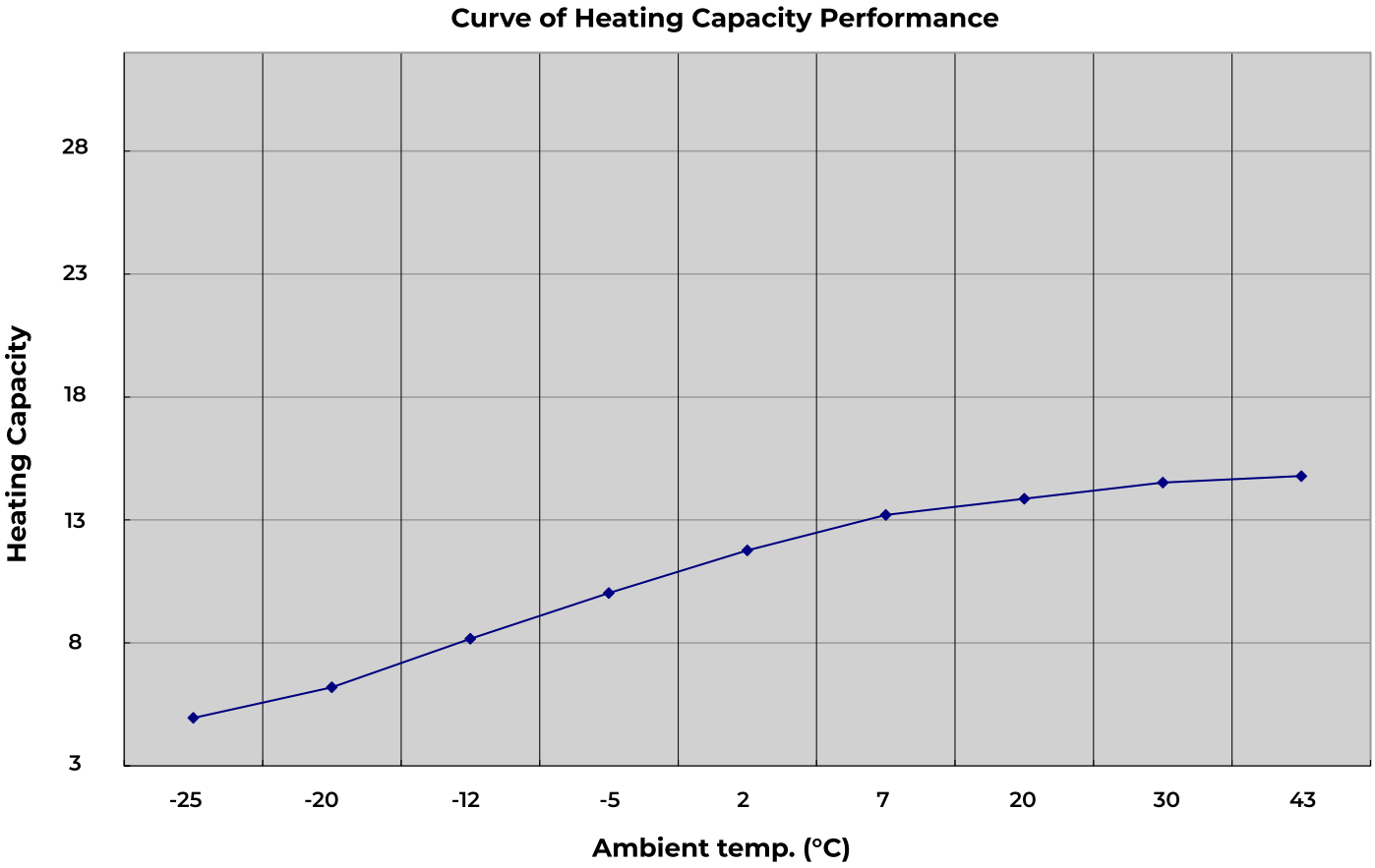
Technical data Decarbo ECO060 | For cooling

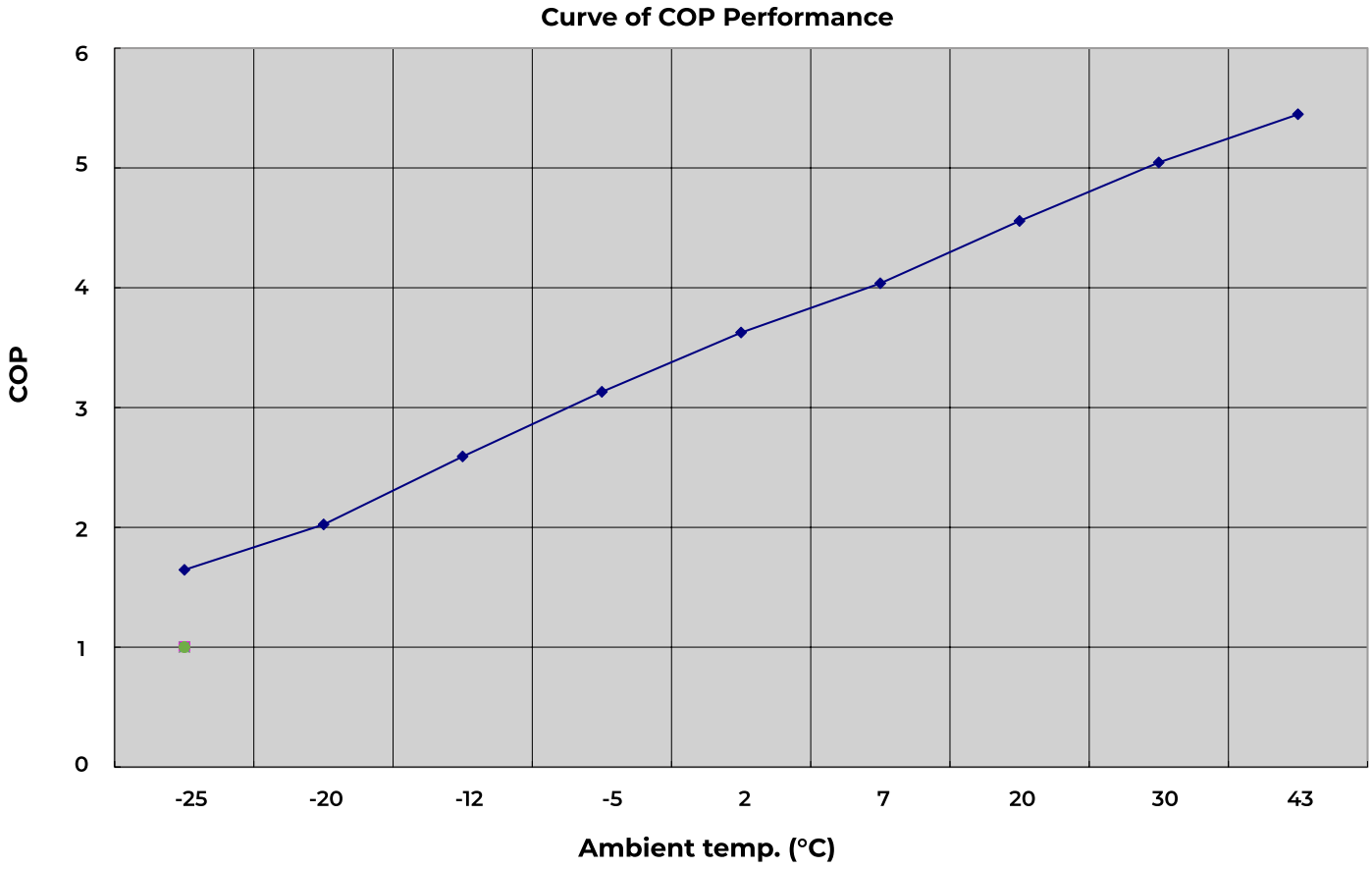


Technical data Decarbo ECO060 | For DHW

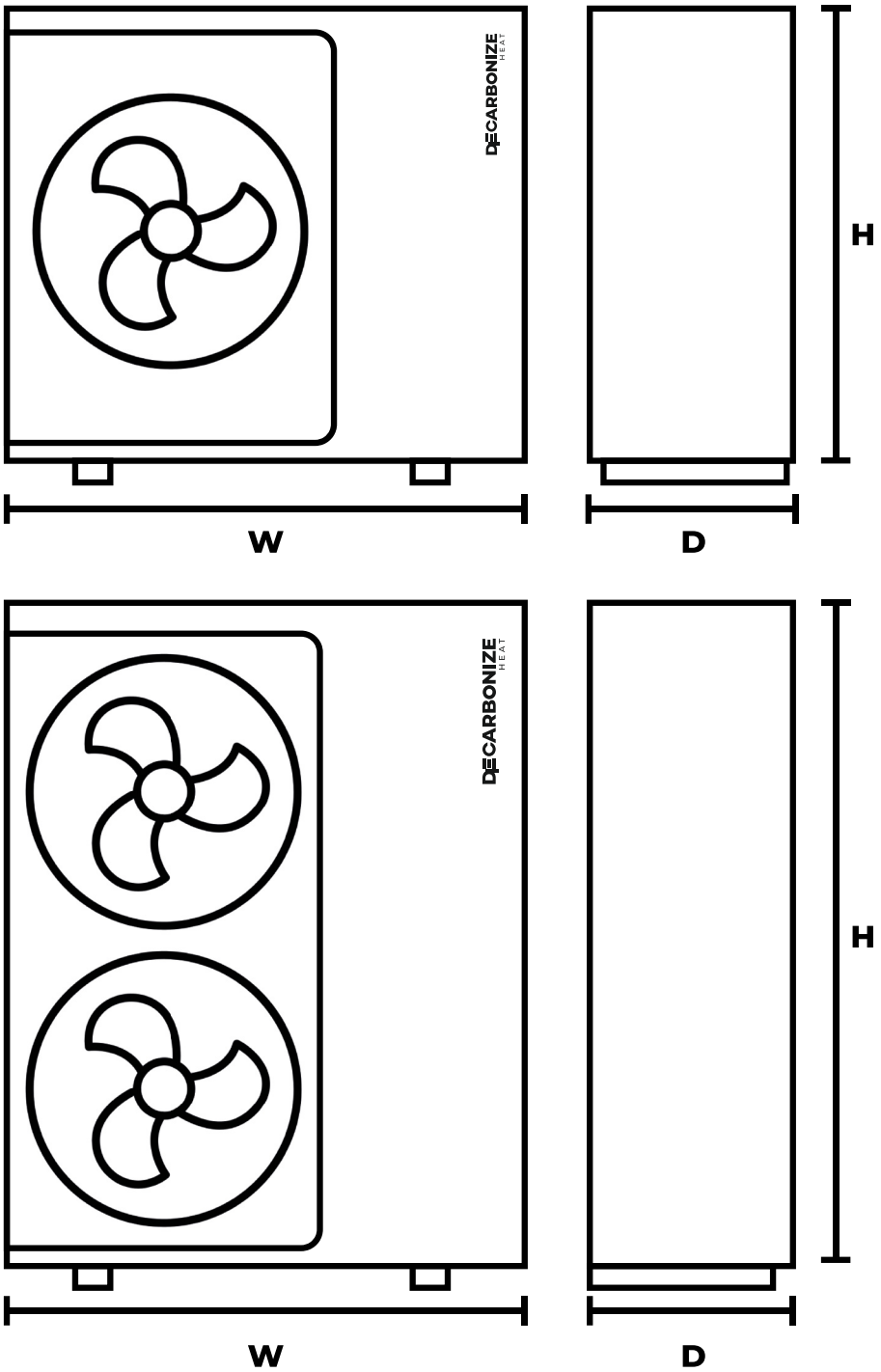
Heating capacity (kW)	6,6	8,3	10,9	13,4	15,7	17,6	18,5	19,4	19,7
Input power (kW)	4,04	4,10	4,23	4,30	4,35	4,39	4,08	3,86	3,64
COP	1,63	2,01	2,57	3,11	3,60	4,01	4,53	5,01	5,41
Ambient temp (°C)	1,6	1,9	2,2	2,3	2,5	2,6	2,7	3,0	3,1

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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