

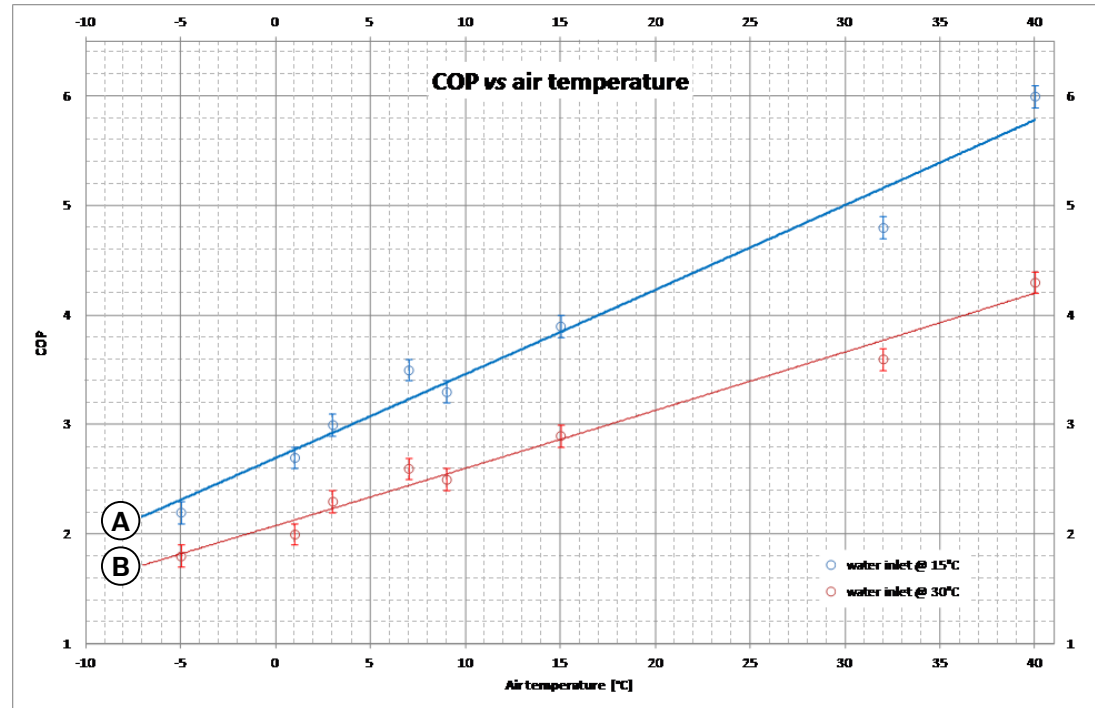
Instant COP curve

Explanation: Instant COP curve for different air temperatures. How to read it: when water in tank is at 15°C and air is at 15°C, COP is 4.0 (point A). When tank water temperature reaches 30°C, then COP drops to 2.9 (point B), this is because COP is naturally lower for higher tank water temperatures.

Please consider 30°C water inlet as the average COP (red line).

Air Temperature [°C]	COP	
	Water@15°C	Water@30°C
3	3.0	2.3
7	3.5	2.6
15	3.9	2.9
40	6.0	4.3

Air Temperature [°C]	COP	
	Water@15°C	Water@30°C
-5	2.2	1.8
1	2.7	2.0
3	3.0	2.3
7	3.5	2.6
9	3.3	2.5
15	3.9	2.9
32	4.8	3.6
40	6.0	4.3



Technical data: performance

Air Temp [°C]	Humidity [%]	Water inlet [°C]	Set Point [°C]	Heating Up time	Heat Up time w/PLUS	COP N235	Water available at 40°C [dm ³]	Stand by losses [kWh/24h]
-5	-	10	56	11h45±0h20	11h45±0h20		335±20	
1	90	10	56	17h30±0h20	9h±1h			
9	87	10	56	11h00±0h20	7h±1h	3.0±0.1		1.8±0.1
15	70	15	56	8h00±0h20	8h00±0h20	3.3±0.2		1.5±0.1
20	60	15	56	7h15±0h15	7h15±0h15			
32	60	15	56	5h15±0h15	5h15±0h15			

Air Temperature [°C]	Humidity, HR [%]	Water temp. [°C]	Stand-by losses [kWh/24h]
20	50	45	0.7
15	70	45	1.0