

manufacturer: ait-deutschland GmbH			
Model	cBoxX 50		
Option high-temperature	No		
Voltage <sup>1</sup>	400/3/50		
Type of condensing	water-cooled		
Refrigerant fluid	R410A		
Item	Symbol	Value	Unit
Operating temperature	t	7	°C
Seasonal energy performance ratio	SEPR	7,17	
Annual electricity consumption	Q	43.720	kWh/a
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P <sub>A</sub>	42,33	kW
Rated power input	D <sub>A</sub>	10,89	kW
Rated energy efficiency ratio	EER <sub>DC,A</sub>	3,89	
Parameters at rating point B			
Declared refrigeration capacity	P <sub>B</sub>	47,07	kW
Declared power input	D <sub>B</sub>	8,95	kW
Declared energy efficiency ratio	EER <sub>DC,B</sub>	5,26	
Parameters at rating point C			
Declared refrigeration capacity	P <sub>C</sub>	50,43	kW
Declared power input	D <sub>C</sub>	7,49	kW
Declared energy efficiency ratio	EER <sub>DC,C</sub>	6,73	
Parameters at rating point D			
Declared refrigeration capacity	P <sub>D</sub>	53,95	kW
Declared power input	D <sub>D</sub>	5,75	kW
Declared energy efficiency ratio	EER <sub>DC,D</sub>	9,39	
Other Items			
Capacity control	fixed		
Degradation co-efficient chillers (rating point B)	C <sub>dc</sub>	0,95	
Degradation co-efficient chillers (rating point C)	C <sub>dc</sub>	0,94	
Degradation co-efficient chillers (rating point D)	C <sub>dc</sub>	0,92	
GWP of the refrigerant		2088	kg CO <sub>2</sub> eq (100 years)

<sup>1</sup> The voltage refers to the operating voltage of the main components and can deviate from the supply voltage by using a transformer.