

manufacturer: ait-deutschland GmbH			
Model	cBoxX 80		
Option high-temperature	Yes		
Voltage <sup>1</sup>	400/3/60		
Type of condensing	air-cooled		
Refrigerant fluid	R410A		
Item	Symbol	Value	Unit
Operating temperature	t	7	°C
Seasonal energy performance ratio	SEPR	4,54	
Annual electricity consumption	Q	103.656	kWh/a
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P <sub>A</sub>	63,46	kW
Rated power input	D <sub>A</sub>	25,13	kW
Rated energy efficiency ratio	EER <sub>DC,A</sub>	2,52	
Parameters at rating point B			
Declared refrigeration capacity	P <sub>B</sub>	72,44	kW
Declared power input	D <sub>B</sub>	21,37	kW
Declared energy efficiency ratio	EER <sub>DC,B</sub>	3,39	
Parameters at rating point C			
Declared refrigeration capacity	P <sub>C</sub>	79,16	kW
Declared power input	D <sub>C</sub>	18,55	kW
Declared energy efficiency ratio	EER <sub>DC,C</sub>	4,27	
Parameters at rating point D			
Declared refrigeration capacity	P <sub>D</sub>	86,20	kW
Declared power input	D <sub>D</sub>	15,52	kW
Declared energy efficiency ratio	EER <sub>DC,D</sub>	5,55	
Other Items			
Capacity control	staged		
Degradation co-efficient chillers (rating point B)	C <sub>dc</sub>	0,98	
Degradation co-efficient chillers (rating point C)	C <sub>dc</sub>	0,98	
Degradation co-efficient chillers (rating point D)	C <sub>dc</sub>	0,97	
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.