

manufacturer: ait-deutschland GmbH			
Model	cBoxX 100		
Option high-temperature	No		
Voltage ¹	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	7,33	
Annual electricity consumption	Q	85.623	kWh/a
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P _A	84,66	kW
Rated power input	D _A	21,59	kW
Rated energy efficiency ratio	EER _{DC,A}	3,92	
Parameters at rating point B			
Declared refrigeration capacity	P _B	94,14	kW
Declared power input	D _B	17,72	kW
Declared energy efficiency ratio	EER _{DC,B}	5,31	
Parameters at rating point C			
Declared refrigeration capacity	P _C	100,86	kW
Declared power input	D _C	14,81	kW
Declared energy efficiency ratio	EER _{DC,C}	6,81	
Parameters at rating point D			
Declared refrigeration capacity	P _D	107,90	kW
Declared power input	D _D	11,31	kW
Declared energy efficiency ratio	EER _{DC,D}	9,54	
Other Items			
Capacity control	staged		
Degradation co-efficient chillers (rating point B)	C _{dc}	0,96	
Degradation co-efficient chillers (rating point C)	C _{dc}	0,96	
Degradation co-efficient chillers (rating point D)	C _{dc}	0,94	
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)

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