

manufacturer: ait-deutschland GmbH			
Model	cBoxX 40		
Option high-temperature	No		
Voltage ¹	400/3/50		
Type of condensing	water-cooled		
Refrigerant fluid	R410A		
Item	Symbol	Value	Unit
Operating temperature	t	-8	°C
Seasonal energy performance ratio	JAZ	3,78	
Annual electricity consumption	Q	36.115	kWh/a
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P _A	18,43	kW
Rated power input	D _A	8,37	kW
Rated energy efficiency ratio	LZ _A	2,20	
Parameters at rating point B			
Declared refrigeration capacity	P _B	20,56	kW
Declared power input	D _B	7,01	kW
Declared energy efficiency ratio	LZ _B	2,93	
Parameters at rating point C			
Declared refrigeration capacity	P _C	22,14	kW
Declared power input	D _C	6,12	kW
Declared energy efficiency ratio	LZ _C	3,62	
Parameters at rating point D			
Declared refrigeration capacity	P _D	23,89	kW
Declared power input	D _D	5,17	kW
Declared energy efficiency ratio	LZ _D	4,62	
Other Items			
Capacity control	staged		
Degradation coefficient for fixed and staged capacity units (rating point B)	MK	0,96	
Degradation coefficient for fixed and staged capacity units (rating point C)	MK	0,96	
Degradation coefficient for fixed and staged capacity units (rating point D)	MK	0,95	
GWP of the refrigerant		2089	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.

