

MODEL				ASH-18BIV			
FUNCTION				FUNCTION			
Cooling	Yes			Average season	Yes		
Heating	Yes			Warmer season	Yes		
				Colder season	No		
Design load				Seasonal efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
Cooling	P _{designc}	4,6	kW	Cooling	SEER	6,1	--
Heating / Average	P _{designh}	3,6	kW	Heating / Average	SCOP/A	4,0	--
Heating / Warmer	P _{designh}	3,6	kW	Heating / Warmer	SCOP/W	5,1	--
Heating / Colder	P _{designh}	–	kW	Heating / Colder	SCOP/C	–	--
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature T _j				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature T _j			
Item	symbol	value	unit	Item	symbol	value	unit
T _j = 35 °C	P _{dc}	4,65	kW	T _j = 35 °C	EER _d	3,18	--
T _j = 30 °C	P _{dc}	3,45	kW	T _j = 30 °C	EER _d	4,73	--
T _j = 25 °C	P _{dc}	2,17	kW	T _j = 25 °C	EER _d	7,12	--
T _j = 20 °C	P _{dc}	0,98	kW	T _j = 20 °C	EER _d	9,36	--
Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance / Average season, at indoor temperature 20 °C and outdoor temperature T _j			
Item	symbol	value	unit	Item	symbol	value	unit
T _j = - 7 °C	P _{dh}	3,19	kW	T _j = - 7 °C	COP _d	2,89	--
T _j = 2 °C	P _{dh}	2,02	kW	T _j = 2 °C	COP _d	3,98	--
T _j = 7 °C	P _{dh}	1,30	kW	T _j = 7 °C	COP _d	4,92	--
T _j = 12 °C	P _{dh}	1,12	kW	T _j = 12 °C	COP _d	5,54	--
T _j = bivalent temperature	P _{dh}	2,88	kW	T _j = bivalent temperature	COP _d	2,72	--
T _j = operating limit	P _{dh}	3,19	kW	T _j = operating limit	COP _d	2,89	--
Declared capacity for heating / Warmer season, at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance / Warmer season, at indoor temperature 20 °C and outdoor temperature T _j			
Item	symbol	value	unit	Item	symbol	value	unit
T _j = 2 °C	P _{dh}	3,99	kW	T _j = 2 °C	COP _d	3,03	--
T _j = 7 °C	P _{dh}	2,32	kW	T _j = 7 °C	COP _d	5,18	--
T _j = 12 °C	P _{dh}	1,12	kW	T _j = 12 °C	COP _d	5,54	--
T _j = bivalent temperature	P _{dh}	3,99	kW	T _j = bivalent temperature	COP _d	3,03	--
T _j = operating limit	P _{dh}	3,99	kW	T _j = operating limit	COP _d	3,03	--
Declared capacity for heating / Colder season, at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance / Colder season, at indoor temperature 20 °C and outdoor temperature T _j			
Item	symbol	value	unit	Item	symbol	value	unit
T _j = - 7 °C	P _{dh}	–	kW	T _j = - 7 °C	COP _d	–	--
T _j = 2 °C	P _{dh}	–	kW	T _j = 2 °C	COP _d	–	--
T _j = 7 °C	P _{dh}	–	kW	T _j = 7 °C	COP _d	–	--
T _j = 12 °C	P _{dh}	–	kW	T _j = 12 °C	COP _d	–	--
T _j = bivalent temperature	P _{dh}	–	kW	T _j = bivalent temperature	COP _d	–	--
T _j = operating limit	P _{dh}	–	kW	T _j = operating limit	COP _d	–	--
T _j = - 15 °C	P _{dh}	–	kW	T _j = - 15 °C	COP _d	–	--
Bivalent temperature				Operating limit temperature			
Item	symbol	value	unit	Item	symbol	value	unit
Heating / Average	T _{biv}	-7	°C	Heating / Average	T _{ol}	-10	°C
Heating / Warmer	T _{biv}	2	°C	Heating / Warmer	T _{ol}	2	°C
Heating / Colder	T _{biv}	–	°C	Heating / Colder	T _{ol}	–	°C
Cycling interval capacity				Cycling interval efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
For cooling	P _{cycc}	x,x	kW	For cooling	EER _{cycc}	x,x	--
For heating	P _{cyh}	x,x	kW	For heating	COP _{cycc}	x,x	--
Degradation co-efficient cooling	C _{dc}	x,x	--	Degradation co-efficient heating	C _{dh}	x,x	--
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off mode	P _{OFF}	0,00181	kW	Cooling	Q _{CE}	264	kWh/a
Standby mode	P _{SB}	0,00181	kW	Heating / Average	Q _{HE}	1260	kWh/a
Thermostat-off mode	P _{TO}	0,0089	kW	Heating / Warmer	Q _{HE}	988	kWh/a
Crankcase heater mode	P _{CK}	0,000	kW	Heating / Colder	Q _{HE}	–	kWh/a
Capacity control				Other items			
Fixed	No			Sound power level (indoor/outdoor)	L _{WA}	58/63	dB(A)
Staged	No			Global warming potential	GWP	675	kgCO ₂ eq.
Variable	Yes			Rated air flow (indoor/outdoor)	--	850/2200	m ³ / h
Name and address of the manufacturer or of its authorised representative.				Manufacturer: SINCLAIR Corp. Ltd., 1-4 Argyll St., London, UK			
Contact details for obtaining more information				Representative: SINCLAIR EUROPE spol. s r.o., Purkynova 45, 612 00 Brno, CZ			
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* R32 (100% HFC-32)

* Device contains fluorinated greenhouse gases covered by the Kyoto Protocol.