

MODEL				ASH-24BIF2					
FUNCTION		FUNCTION							
Cooling	Yes		Average season	Yes					
Heating	Yes		Warmer season	Yes					
		Colder season		Yes					
Design load				Seasonal efficiency					
Item	symbol	value	unit	Item	symbol	value	unit		
Cooling	Pdesignc	7,0	kW	Cooling	SEER	6,5	--		
Heating / Average	Pdesignh	6,4	kW	Heating / Average	SCOP/A	4,0	--		
Heating / Warmer	Pdesignh	6,9	kW	Heating / Warmer	SCOP/W	5,1	--		
Heating / Colder	Pdesignh	6,3	kW	Heating / Colder	SCOP/C	3,3	--		
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj					
Item	symbol	value	unit	Item	symbol	value	unit		
Tj = 35 °C	Pdc	7,03	kW	Tj = 35 °C	EERd	3,60	--		
Tj = 30 °C	Pdc	5,09	kW	Tj = 30 °C	EERd	5,20	--		
Tj = 25 °C	Pdc	3,21	kW	Tj = 25 °C	EERd	7,34	--		
Tj = 20 °C	Pdc	2,68	kW	Tj = 20 °C	EERd	11,76	--		
Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20 °C and outdoor temperature Tj					
Item	symbol	value	unit	Item	symbol	value	unit		
Tj = - 7 °C	Pdh	5,79	kW	Tj = - 7 °C	COPd	2,62	--		
Tj = 2 °C	Pdh	3,61	kW	Tj = 2 °C	COPd	4,21	--		
Tj = 7 °C	Pdh	2,21	kW	Tj = 7 °C	COPd	4,93	--		
Tj = 12 °C	Pdh	1,90	kW	Tj = 12 °C	COPd	5,80	--		
Tj = bivalent temperature	Pdh	6,24	kW	Tj = bivalent temperature	COPd	1,79	--		
Tj = operating limit	Pdh	5,79	kW	Tj = operating limit	COPd	2,62	--		
Declared capacity for heating / Warmer season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20 °C and outdoor temperature Tj					
Item	symbol	value	unit	Item	symbol	value	unit		
Tj = 2 °C	Pdh	7,23	kW	Tj = 2 °C	COPd	2,64	--		
Tj = 7 °C	Pdh	4,45	kW	Tj = 7 °C	COPd	4,88	--		
Tj = 12 °C	Pdh	2,02	kW	Tj = 12 °C	COPd	5,85	--		
Tj = bivalent temperature	Pdh	7,23	kW	Tj = bivalent temperature	COPd	2,64	--		
Tj = operating limit	Pdh	7,23	kW	Tj = operating limit	COPd	2,64	--		
Declared capacity for heating / Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20 °C and outdoor temperature Tj					
Item	symbol	value	unit	Item	symbol	value	unit		
Tj = - 7 °C	Pdh	3,87	kW	Tj = - 7 °C	COPd	2,97	--		
Tj = 2 °C	Pdh	2,33	kW	Tj = 2 °C	COPd	4,15	--		
Tj = 7 °C	Pdh	1,73	kW	Tj = 7 °C	COPd	4,66	--		
Tj = 12 °C	Pdh	1,82	kW	Tj = 12 °C	COPd	5,61	--		
Tj = bivalent temperature	Pdh	5,99	kW	Tj = bivalent temperature	COPd	1,79	--		
Tj = operating limit	Pdh	6,56	kW	Tj = operating limit	COPd	1,84	--		
Tj = - 15 °C	Pdh	-	kW	Tj = - 15 °C	COPd	-	--		
Bivalent temperature				Operating limit temperature					
Item	symbol	value	unit	Item	symbol	value	unit		
Heating / Average	Tbiv	-7	°C	Heating / Average	Tol	-10	°C		
Heating / Warmer	Tbiv	2	°C	Heating / Warmer	Tol	2	°C		
Heating / Colder	Tbiv	-15	°C	Heating / Colder	Tol	-20	°C		
Cycling interval capacity				Cycling interval efficiency					
Item	symbol	value	unit	Item	symbol	value	unit		
For cooling	Pcycc	x,x	kW	For cooling	EERcyc	x,x	--		
For heating	Pcych	x,x	kW	For heating	COPcyc	x,x	--		
Degradation co-efficient cooling	Cdc	0,25	--	Degradation co-efficient heating	Cdh	0,25	--		
Electric power input in power modes other than 'active mode'				Annual electricity consumption					
Off mode	P _{OFF}	0,00547	kW	Cooling	Q _{CE}	377	kWh/a		
Standby mode	P _{SB}	0,00135	kW	Heating / Average	Q _{HE}	2240	kWh/a		
Thermostat-off mode	P _{TO}	0,00235/0,0048	kW	Heating / Warmer	Q _{HE}	1894	kWh/a		
Crankcase heater mode	P _{CK}	0,000	kW	Heating / Colder	Q _{HE}	4009	kWh/a		
Capacity control				Other items		symbol	value		
Fixed	No		Sound power level (indoor/outdoor)		L _{WA}	63/67	dB(A)		
Staged	No		Global warming potential		GWP	675	kgCO ₂ eq.		
Variable	Yes		Rated air flow (indoor/outdoor)		--	1250/3200	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.