

MODEL				ASH-13BIS2/W, ASH-13BIS2/B			
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	3,5	kW	Cooling	SEER	8,5	--
Heating / Average	Pdesignh	3,5	kW	Heating / Average	SCOP/A	5,1	--
Heating / Warmer	Pdesignh	3,6	kW	Heating / Warmer	SCOP/W	5,7	--
Heating / Colder	Pdesignh	5,0	kW	Heating / Colder	SCOP/C	4,0	--
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	3,53	kW	Tj = 35 °C	EERd	5,06	--
Tj = 30 °C	Pdc	2,56	kW	Tj = 30 °C	EERd	7,15	--
Tj = 25 °C	Pdc	1,62	kW	Tj = 25 °C	EERd	9,89	--
Tj = 20 °C	Pdc	0,88	kW	Tj = 20 °C	EERd	15,26	--
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	3,10	kW	Tj = - 7 °C	COPd	3,33	--
Tj = 2 °C	Pdh	1,94	kW	Tj = 2 °C	COPd	5,28	--
Tj = 7 °C	Pdh	1,25	kW	Tj = 7 °C	COPd	6,12	--
Tj = 12 °C	Pdh	0,87	kW	Tj = 12 °C	COPd	6,49	--
Tj = bivalent temperature	Pdh	4,01	kW	Tj = bivalent temperature	COPd	2,59	--
Tj = operating limit	Pdh	3,10	kW	Tj = operating limit	COPd	3,33	--
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	3,76	kW	Tj = 2 °C	COPd	3,16	--
Tj = 7 °C	Pdh	2,38	kW	Tj = 7 °C	COPd	5,56	--
Tj = 12 °C	Pdh	0,87	kW	Tj = 12 °C	COPd	6,49	--
Tj = bivalent temperature	Pdh	3,76	kW	Tj = bivalent temperature	COPd	3,16	--
Tj = operating limit	Pdh	3,76	kW	Tj = operating limit	COPd	3,16	--
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	3,10	kW	Tj = - 7 °C	COPd	3,33	--
Tj = 2 °C	Pdh	1,94	kW	Tj = 2 °C	COPd	5,28	--
Tj = 7 °C	Pdh	1,25	kW	Tj = 7 °C	COPd	6,12	--
Tj = 12 °C	Pdh	0,87	kW	Tj = 12 °C	COPd	6,49	--
Tj = operating limit	Pdh	3,66	kW	Tj = operating limit	COPd	2,13	--
Tj = bivalent temperature	Pdh	4,20	kW	Tj = bivalent temperature	COPd	2,27	--
Tj = - 15 °C	Pdh	4,20	kW	Tj = - 15 °C	COPd	2,27	--
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	-30	°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	Pcyh	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}	0,004573	kW	Cooling	Q _{CE}	144	kWh/a
Standby mode	P _{SB}	0,004573	kW	Heating / Average	Q _{HE}	961	kWh/a
Thermostat-off mode	P _{TO}	0,00349/0,00765	kW	Heating / Warmer	Q _{HE}	884	kWh/a
Crankcase heater mode	P _{CK}	0	kW	Heating / Colder	Q _{HE}	2625	kWh/a
Capacity control				Other items			
Fixed		No		Sound power level (indoor/outdoor)	L _{WA}	58/62	dB(A)
Staged		No		Global warming potential	GWP	675	kgCO ₂ eq.
Variable		Yes		Rated air flow (indoor/outdoor)	--	(800/2400)	m ³ / h
Name and address of the manufacturer or of its authorised representative.				Manufacturer: SINCLAIR Corp. Ltd., 1-4 Argyll St., London, UK			
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* R32 (100% HFC-32)

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