

MODEL				ASH-12BIR			
FUNCTION				FUNCTION			
Cooling		Y		Average season		Y	
Heating		Y		Warmer season		Y	
				Colder season		Y	
Design load				Seasonal efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
Cooling	P _{designc}	3,2	kW	Cooling	SEER	6,1	--
Heating / Average	P _{designh}	3,2	kW	Heating / Average	SCOP/A	4,0	--
Heating / Warmer	P _{designh}	3,4	kW	Heating / Warmer	SCOP/W	5,1	--
Heating / Colder	P _{designh}	4,8	kW	Heating / Colder	SCOP/C	3,3	--
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}	3,21	kW	T _j = 35 °C	EERd	3,25	--
T _j = 30 °C	P _{dc}	2,38	kW	T _j = 30 °C	EERd	4,81	--
T _j = 25 °C	P _{dc}	1,56	kW	T _j = 25 °C	EERd	7,89	--
T _j = 20 °C	P _{dc}	1,07	kW	T _j = 20 °C	EERd	12,34	--
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}	2,85	kW	T _j = - 7 °C	COPd	2,49	--
T _j = 2 °C	P _{dh}	1,73	kW	T _j = 2 °C	COPd	4,08	--
T _j = 7 °C	P _{dh}	1,16	kW	T _j = 7 °C	COPd	5,11	--
T _j = 12 °C	P _{dh}	0,97	kW	T _j = 12 °C	COPd	6,33	--
T _j = bivalent temperature	P _{dh}	2,59	kW	T _j = bivalent temperature	COPd	2,34	--
T _j = operating limit	P _{dh}	2,85	kW	T _j = operating limit	COPd	2,49	--
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}	3,56	kW	T _j = 2 °C	COPd	2,50	--
T _j = 7 °C	P _{dh}	2,19	kW	T _j = 7 °C	COPd	4,68	--
T _j = 12 °C	P _{dh}	0,97	kW	T _j = 12 °C	COPd	6,33	--
T _j = bivalent temperature	P _{dh}	3,56	kW	T _j = bivalent temperature	COPd	2,50	--
T _j = operating limit	P _{dh}	3,56	kW	T _j = operating limit	COPd	2,50	--
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}	3,02	kW	T _j = - 7 °C	COPd	2,85	--
T _j = 2 °C	P _{dh}	1,78	kW	T _j = 2 °C	COPd	4,12	--
T _j = 7 °C	P _{dh}	1,16	kW	T _j = 7 °C	COPd	5,11	--
T _j = 12 °C	P _{dh}	0,97	kW	T _j = 12 °C	COPd	6,33	--
T _j = bivalent temperature	P _{dh}	2,57	kW	T _j = bivalent temperature	COPd	1,84	--
T _j = operating limit	P _{dh}	3,02	kW	T _j = operating limit	COPd	2,85	--
T _j = - 15 °C	P _{dh}	2,80	kW	T _j = - 15 °C	COPd	2,60	--
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}	-7	°C	Heating / Colder	T _{ol}	-22	°C
Cycling interval capacity				Cycling interval efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
For cooling	P _{cyc}	x.x	kW	For cooling	EER _{cyc}	x.x	--
For heating	P _{ych}	x.x	kW	For heating	COP _{cyc}	x.x	--
Degradation co-efficient cooling	C _{dc}	0,25	--	Degradation co-efficient heating	C _{dh}	0,25	--
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off mode	P _{OFF}	0,001984	kW	Cooling	Q _{CE}	184	kWh/a
Standby mode	P _{SB}	0,001984	kW	Heating / Average	Q _{HE}	1120	kWh/a
Thermostat-off mode	P _{TO}	0,006895 / 0,01101	kW	Heating / Warmer	Q _{HE}	933	kWh/a
Crankcase heater mode	P _{CK}	0,000	kW	Heating / Colder	Q _{HE}	3055	kWh/a
Capacity control				Other items			
Fixed		N		Sound power level (indoor/outdoor)	L _{WA}	55/62	dB(A)
Staged		N		Global warming potential	GWP	675	kgCO ₂ eq.
Variable		Y		Rated air flow (indoor/outdoor)	--	550/2200	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., Purkyňova 45, 612 00 Brno, CZ			
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* R32 (single component refrigerant HFC)

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