

MODEL				ASH-18BIF2						
FUNCTION				FUNCTION						
Cooling	Yes			Average season	Yes					
Heating	Yes			Warmer season	Yes					
Design load				Seasonal efficiency						
Item	symbol	value	unit	Item	symbol	value	unit			
Cooling	Pdesignc	5,2	kW	Cooling	SEER	7,0	--			
Heating / Average	Pdesignh	4,2	kW	Heating / Average	SCOP/A	4,0	--			
Heating / Warmer	Pdesignh	4,3	kW	Heating / Warmer	SCOP/W	5,1	--			
Heating / Colder	Pdesignh	5,0	kW	Heating / Colder	SCOP/C	3,4	--			
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	5,29	kW	Tj = 35 °C	EERd	3,39	--			
Tj = 30 °C	Pdc	3,83	kW	Tj = 30 °C	EERd	5,61	--			
Tj = 25 °C	Pdc	2,46	kW	Tj = 25 °C	EERd	8,13	--			
Tj = 20 °C	Pdc	1,58	kW	Tj = 20 °C	EERd	12,76	--			
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	3,83	kW	Tj = - 7 °C	COPd	2,80	--			
Tj = 2 °C	Pdh	2,26	kW	Tj = 2 °C	COPd	4,01	--			
Tj = 7 °C	Pdh	1,49	kW	Tj = 7 °C	COPd	5,00	--			
Tj = 12 °C	Pdh	1,22	kW	Tj = 12 °C	COPd	5,28	--			
Tj = bivalent temperature	Pdh	3,40	kW	Tj = bivalent temperature	COPd	2,55	--			
Tj = operating limit	Pdh	3,83	kW	Tj = operating limit	COPd	2,80	--			
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	4,42	kW	Tj = 2 °C	COPd	3,37	--			
Tj = 7 °C	Pdh	2,77	kW	Tj = 7 °C	COPd	5,09	--			
Tj = 12 °C	Pdh	1,57	kW	Tj = 12 °C	COPd	5,82	--			
Tj = bivalent temperature	Pdh	4,42	kW	Tj = bivalent temperature	COPd	3,37	--			
Tj = operating limit	Pdh	4,42	kW	Tj = operating limit	COPd	3,37	--			
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	3,17	kW	Tj = - 7 °C	COPd	3,11	--			
Tj = 2 °C	Pdh	1,85	kW	Tj = 2 °C	COPd	4,31	--			
Tj = 7 °C	Pdh	1,20	kW	Tj = 7 °C	COPd	4,63	--			
Tj = 12 °C	Pdh	1,22	kW	Tj = 12 °C	COPd	5,46	--			
Tj = bivalent temperature	Pdh	2,49	kW	Tj = bivalent temperature	COPd	1,31	--			
Tj = operating limit	Pdh	4,12	kW	Tj = operating limit	COPd	1,81	--			
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}	0,0049518	kW	Cooling	Q _{CE}	260	kWh/a			
Standby mode	P _{SB}	0,0049518	kW	Heating / Average	Q _{HE}	1470	kWh/a			
Thermostat-off mode	P _{TO}	0,0029916/0,012241	kW	Heating / Warmer	Q _{HE}	1180	kWh/a			
Crankcase heater mode	P _{CK}	0,000	kW	Heating / Colder	Q _{HE}	3088	kWh/a			
Capacity control				Other items						
Fixed	No			Sound power level (indoor/outdoor)	L _{WA}	59/64	dB(A)			
Staged	No			Global warming potential	GWP	675	kgCO ₂ eq.			
Variable	Yes			Rated air flow (indoor/outdoor)	--	800/3200	m ³ / h			
Name and address of the manufacturer or of its authorised representative.				Manufacturer: SINCLAIR Corp. Ltd., 1-4 Argyll St, London, UK Representive: 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.