

MODEL				ASP-12BI			
FUNCTION				FUNCTION			
Cooling		Y		Average season		Y	
Heating		Y		Warmer season		Y	
				Colder season		N	
Design load				Seasonal efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
Cooling	Pdesignc	3,5	kW	Cooling	SEER	7,0	--
Heating / Average	Pdesignh	3,2	kW	Heating / Average	SCOP/A	4,1	--
Heating / Warmer	Pdesignh	3,3	kW	Heating / Warmer	SCOP/W	5,3	--
Heating / Colder	Pdesignh	--	kW	Heating / Colder	SCOP/C	--	--
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	3,50	kW	Tj = 35 °C	EERd	3,50	--
Tj = 30 °C	Pdc	2,58	kW	Tj = 30 °C	EERd	5,18	--
Tj = 25 °C	Pdc	1,63	kW	Tj = 25 °C	EERd	8,46	--
Tj = 20 °C	Pdc	0,89	kW	Tj = 20 °C	EERd	13,76	--
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	2,844	kW	Tj = - 7 °C	COPd	2,78	--
Tj = 2 °C	Pdh	1,731	kW	Tj = 2 °C	COPd	4,18	--
Tj = 7 °C	Pdh	1,126	kW	Tj = 7 °C	COPd	4,96	--
Tj = 12 °C	Pdh	1,091	kW	Tj = 12 °C	COPd	6,98	--
Tj = operating limit	Pdh	3,306	kW	Tj = operating limit	COPd	2,39	--
Tj = bivalent temperature	Pdh	3,306	kW	Tj = bivalent temperature	COPd	2,39	--
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	3,35	kW	Tj = 2 °C	COPd	2,25	--
Tj = 7 °C	Pdh	2,22	kW	Tj = 7 °C	COPd	4,81	--
Tj = 12 °C	Pdh	1,09	kW	Tj = 12 °C	COPd	6,98	--
Tj = operating limit	Pdh	3,35	kW	Tj = operating limit	COPd	2,25	--
Tj = bivalent temperature	Pdh	3,35	kW	Tj = bivalent temperature	COPd	2,25	--
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	--	kW	Tj = - 7 °C	COPd	--	--
Tj = 2 °C	Pdh	--	kW	Tj = 2 °C	COPd	--	--
Tj = 7 °C	Pdh	--	kW	Tj = 7 °C	COPd	--	--
Tj = 12 °C	Pdh	--	kW	Tj = 12 °C	COPd	--	--
Tj = operating limit	Pdh	--	kW	Tj = operating limit	COPd	--	--
Tj = bivalent temperature	Pdh	--	kW	Tj = bivalent temperature	COPd	--	--
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	-10	°C	Heating / Average	Tol	-10	°C
Heating / Warmer	Tbiv	2	°C	Heating / Warmer	Tol	2	°C
Heating / Colder	Tbiv	--	°C	Heating / Colder	Tol	--	°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}	0,004269	kW	Cooling	Q _{CE}	175	kWh/a
Standby mode	P _{SB}	0,004269	kW	Heating / Average	Q _{HE}	1093	kWh/a
Thermostat-off mode	P _{TO}	0,004535/0,01246	kW	Heating / Warmer	Q _{HE}	872	kWh/a
Crankcase heater mode	P _{CK}	0,000	kW	Heating / Colder	Q _{HE}	--	kWh/a
Capacity control				Other items			
Fixed		N		Sound power level (indoor/outdoor)	L _{WA}	54/62	dB(A)
Staged		N		Global warming potential	GWP	675	kgCO ₂ eq.
Variable		Y		Rated air flow (indoor/outdoor)	--	600/2200	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.