

MODEL				ASP-18AI			
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	Pdesignc	5,2	kW	Cooling	SEER	6,5	--
Heating / Average	Pdesignh	5,0	kW	Heating / Average	SCOP/A	4,1	--
Heating / Warmer	Pdesignh	5,2	kW	Heating / Warmer	SCOP/W	5,1	--
Heating / Colder	Pdesignh	5,5	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	5,23	kW	Tj = 35 °C	EERd	3,31	--
Tj = 30 °C	Pdc	3,91	kW	Tj = 30 °C	EERd	5,07	--
Tj = 25 °C	Pdc	2,49	kW	Tj = 25 °C	EERd	7,89	--
Tj = 20 °C	Pdc	1,57	kW	Tj = 20 °C	EERd	11,15	--
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	4,56	kW	Tj = - 7 °C	COPd	2,63	--
Tj = 2 °C	Pdh	2,70	kW	Tj = 2 °C	COPd	4,07	--
Tj = 7 °C	Pdh	1,75	kW	Tj = 7 °C	COPd	5,26	--
Tj = 12 °C	Pdh	1,54	kW	Tj = 12 °C	COPd	6,61	--
Tj = operating limit	Pdh	4,05	kW	Tj = operating limit	COPd	2,48	--
Tj = bivalent temperature	Pdh	4,56	kW	Tj = bivalent temperature	COPd	2,63	--
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	5,26	kW	Tj = 2 °C	COPd	2,64	--
Tj = 7 °C	Pdh	3,49	kW	Tj = 7 °C	COPd	4,29	--
Tj = 12 °C	Pdh	1,54	kW	Tj = 12 °C	COPd	6,68	--
Tj = operating limit	Pdh	5,26	kW	Tj = operating limit	COPd	2,64	--
Tj = bivalent temperature	Pdh	5,26	kW	Tj = bivalent temperature	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	3,41	kW	Tj = - 7 °C	COPd	3,02	--
Tj = 2 °C	Pdh	2,07	kW	Tj = 2 °C	COPd	3,97	--
Tj = 7 °C	Pdh	1,34	kW	Tj = 7 °C	COPd	5,03	--
Tj = 12 °C	Pdh	1,54	kW	Tj = 12 °C	COPd	5,38	--
Tj = operating limit	Pdh	3,59	kW	Tj = operating limit	COPd	1,65	--
Tj = bivalent temperature	Pdh	4,86	kW	Tj = bivalent temperature	COPd	2,19	--
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	ToI	-10	°C
Heating / Warmer	Tbiv	2	°C	Heating / Warmer	ToI	2	°C
Heating / Colder	Tbiv	-15	°C	Heating / Colder	ToI	-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	x.x	--	Degradation co-efficient heating	Cdh	x.x	--
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off mode	P _{OFF}	0,0056	kW	Cooling	Q _{CE}	280	kWh/a
Standby mode	P _{SB}	0,0056	kW	Heating / Average	Q _{HE}	1707	kWh/a
Thermostat-off mode	P _{TO}	0,00397/0,00855	kW	Heating / Warmer	Q _{HE}	1427	kWh/a
Crankcase heater mode	P _{CK}	0,000	kW	Heating / Colder	Q _{HE}	3397	kWh/a
Capacity control				Other items			
Fixed		N		Sound power level (indoor/outdoor)	L _{WA}	57/65	dB(A)
Staged		N		Global warming potential	GWP	2088	kgCO ₂ eq.
Variable		Y		Rated air flow (indoor/outdoor)	--	700/3200	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., 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.