

MODEL				ASP-09BI			
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	2,7	kW	Cooling	SEER	7,2	--
Heating / Average	Pdesignh	2,6	kW	Heating / Average	SCOP/A	4,0	--
Heating / Warmer	Pdesignh	2,7	kW	Heating / Warmer	SCOP/W	3,3	--
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	2,77	kW	Tj = 35 °C	EERd	3,77	--
Tj = 30 °C	Pdc	1,95	kW	Tj = 30 °C	EERd	5,58	--
Tj = 25 °C	Pdc	1,29	kW	Tj = 25 °C	EERd	9,44	--
Tj = 20 °C	Pdc	0,77	kW	Tj = 20 °C	EERd	14,37	--
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	2,29	kW	Tj = - 7 °C	COPd	2,68	--
Tj = 2 °C	Pdh	1,46	kW	Tj = 2 °C	COPd	3,98	--
Tj = 7 °C	Pdh	0,92	kW	Tj = 7 °C	COPd	5,09	--
Tj = 12 °C	Pdh	0,86	kW	Tj = 12 °C	COPd	6,99	--
Tj = operating limit	Pdh	2,43	kW	Tj = operating limit	COPd	1,94	--
Tj = bivalent temperature	Pdh	2,51	kW	Tj = bivalent temperature	COPd	3,14	--
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	2,93	kW	Tj = 2 °C	COPd	2,53	--
Tj = 7 °C	Pdh	1,80	kW	Tj = 7 °C	COPd	4,66	--
Tj = 12 °C	Pdh	0,86	kW	Tj = 12 °C	COPd	6,99	--
Tj = operating limit	Pdh	2,93	kW	Tj = operating limit	COPd	2,53	--
Tj = bivalent temperature	Pdh	2,93	kW	Tj = bivalent temperature	COPd	2,53	--
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	-8	°C	Heating / Average	ToI	-10	°C
Heating / Warmer	Tbiv	2	°C	Heating / Warmer	ToI	2	°C
Heating / Colder	Tbiv	--	°C	Heating / Colder	ToI	--	°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 <sub>OFF</sub>	0,004274	kW	Cooling	Q <sub>CE</sub>	131	kWh/a
Standby mode	P <sub>SB</sub>	0,004274	kW	Heating / Average	Q <sub>HE</sub>	910	kWh/a
Thermostat-off mode	P <sub>TO</sub>	0,003993/0,012064	kW	Heating / Warmer	Q <sub>HE</sub>	740	kWh/a
Crankcase heater mode	P <sub>CK</sub>	0,000	kW	Heating / Colder	Q <sub>HE</sub>	1718	kWh/a
Capacity control				Other items			
Fixed		N		Sound power level (indoor/outdoor)	L <sub>WA</sub>	50/60	dB(A)
Staged		N		Global warming potential	GWP	675	kgCO <sub>2</sub> eq.
Variable		Y		Rated air flow (indoor/outdoor)	--	500/1600	m <sup>3</sup> / 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			
				info@sinclair-solutions.com / www.sinclair-solutions.com			

\* R32 (single component refrigerant HFC)

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