

MODEL				AST-24AI			
FUNCTION				FUNCTION			
Cooling	Y			Average season	Y		
Heating	Y			Warmer season	N		
				Colder season	N		
Design load				Seasonal efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
Cooling	Pdesignc	7,2	kW	Cooling	SEER	6,1	--
Heating / Average	Pdesignh	6,1	kW	Heating / Average	SCOP/A	4,0	--
Heating / Warmer	Pdesignh	x.x	kW	Heating / Warmer	SCOP/W	x.x	--
Heating / Colder	Pdesignh	x.x	kW	Heating / Colder	SCOP/C	x.x	--
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	7,24	kW	Tj = 35 °C	EERd	3,15	--
Tj = 30 °C	Pdc	5,40	kW	Tj = 30 °C	EERd	5,18	--
Tj = 25 °C	Pdc	3,30	kW	Tj = 25 °C	EERd	6,72	--
Tj = 20 °C	Pdc	2,45	kW	Tj = 20 °C	EERd	11,66	--
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	5,40	kW	Tj = - 7 °C	COPd	2,59	--
Tj = 2 °C	Pdh	3,16	kW	Tj = 2 °C	COPd	4,00	--
Tj = 7 °C	Pdh	2,33	kW	Tj = 7 °C	COPd	5,07	--
Tj = 12 °C	Pdh	1,90	kW	Tj = 12 °C	COPd	6,74	--
Tj = operating limit	Pdh	4,05	kW	Tj = operating limit	COPd	2,40	--
Tj = bivalent temperature	Pdh	5,40	kW	Tj = bivalent temperature	COPd	2,59	--
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	x.x	kW	Tj = 2 °C	COPd	x.x	--
Tj = 7 °C	Pdh	x.x	kW	Tj = 7 °C	COPd	x.x	--
Tj = 12 °C	Pdh	x.x	kW	Tj = 12 °C	COPd	x.x	--
Tj = operating limit	Pdh	x.x	kW	Tj = operating limit	COPd	x.x	--
Tj = bivalent temperature	Pdh	x.x	kW	Tj = bivalent temperature	COPd	x.x	--
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	x.x	kW	Tj = - 7 °C	COPd	x.x	--
Tj = 2 °C	Pdh	x.x	kW	Tj = 2 °C	COPd	x.x	--
Tj = 7 °C	Pdh	x.x	kW	Tj = 7 °C	COPd	x.x	--
Tj = 12 °C	Pdh	x.x	kW	Tj = 12 °C	COPd	x.x	--
Tj = operating limit	Pdh	x.x	kW	Tj = operating limit	COPd	x.x	--
Tj = bivalent temperature	Pdh	x.x	kW	Tj = bivalent temperature	COPd	x.x	--
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	x.x	°C	Heating / Warmer	Tol	x.x	°C
Heating / Colder	Tbiv	x.x	°C	Heating / Colder	Tol	x.x	°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}	0,00776	kW	Cooling	Q _{CE}	413	kWh/a
Standby mode	P _{SB}	0,00776	kW	Heating / Average	Q _{HE}	2135	kWh/a
Thermostat-off mode	P _{TO}	0,00194/0,01487	kW	Heating / Warmer	Q _{HE}	x.x	kWh/a
Crankcase heater mode	P _{CK}	0	kW	Heating / Colder	Q _{HE}	x.x	kWh/a
Capacity control				Other items	symbol	value	unit
Fixed	N			Sound power level (indoor/outdoor)	L _{WA}	65/70	dB(A)
Staged	N			Global warming potential	GWP	2087,5	kgCO ₂ eq.
Variable	Y			Rated air flow (indoor/outdoor)	--	1150/3200	m ³ / h
Name and address of the manufacturer or of its authorised representative.				Manufacturer: SINCLAIR Corp. Ltd., 1-4 Argyll St., London, UK Representative: SINCLAIR EUROPE spol. s.r.o., Purkyňova 45, 612 00 Brno, CZ			
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* R410A (50% HFC-32, 50% HFC-125)

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