

TECHNICAL PARAMETERS

AYC-09				Split Air conditioner, Inverter			
FUNCTION				FUNCTION			
Cooling	YES			Average season	YES		
Heating	YES			Warmer season	YES		
				Colder season	YES		
Design load				Seasonal efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
Cooling	Pdesignc	2,5	kW	Cooling	SEER	5,8	--
Heating / Average	Pdesignh	2,5	kW	Heating / Average	SCOP/A	4,0	--
Heating / Warmer	Pdesignh	2,2	kW	Heating / Warmer	SCOP/W	5,0	--
Heating / Colder	Pdesignh	4,0	kW	Heating / Colder	SCOP/C	3,3	--
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	2,5	kW	Tj = 35 °C	EERd	3,1	--
Tj = 30 °C	Pdc	1,8	kW	Tj = 30 °C	EERd	4,5	--
Tj = 25 °C	Pdc	1,2	kW	Tj = 25 °C	EERd	6,7	--
Tj = 20 °C	Pdc	0,5	kW	Tj = 20 °C	EERd	10,9	--
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	2,4	kW	Tj = - 7 °C	COPd	2,7	--
Tj = 2 °C	Pdh	1,5	kW	Tj = 2 °C	COPd	4,0	--
Tj = 7 °C	Pdh	1,0	kW	Tj = 7 °C	COPd	4,9	--
Tj = 12 °C	Pdh	0,4	kW	Tj = 12 °C	COPd	6,2	--
Tj = bivalent temperature	Pdh	2,8	kW	Tj = bivalent temperature	COPd	2,3	--
Tj = operating limit	Pdh	2,4	kW	Tj = operating limit	COPd	2,3	--
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
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off mode	P _{OFF}	0,005	kW	Cooling	Q _{CE}	151	kWh/a
Standby mode	P _{SB}	0,005	kW	Heating / Average	Q _{HE}	875	kWh/a
Thermostat-off mode	P _{TO}	0,006	kW	Heating / Warmer	Q _{HE}	616	kWh/a
Crankcase heater mode	P _{CK}	0,000	kW	Heating / Colder	Q _{HE}	2545	kWh/a
Capacity control				Other items			
Fixed	NO			Sound power level (indoor/outdoor)	L _{WA}	50 / 60	dB(A)
Staged	NO			Global warming potential	GWP	2088	kgCO ₂ eq.
Variable	YES			Rated air flow (indoor/outdoor)	--	500/1600	m ³ / h
Other items				Other items			
Energy class for cooling	A+			Power supply	~	220-240	V
Energy class for heating	A+			Frequency	f	50	Hz
Type of refrigerant	* R410A			Phase	Ph	1	--
Charge of refrigerant	0,7		kg	Optimal room size	--	20 ~ 30	m ²
Cooling capacity	2,5 (0,6 / 2,8)		kW	Adjustable temperature	--	16 ~ 30	°C
Heating capacity	2,8 (0,6 / 3,0)		kW	Operating temperature	cooling	-15 ~ 48	°C
Power input for cooling	max 800		kW	Operating temperature	heating	-15 ~ 24	°C
Power input for heating	max 780		kW	Elevation of connection pipe	max	10,0	m
Rated current	cooling	6,7	A	Length of connection pipe	max	15,0	m
Jmenovitý proud	heating	7,2	A	Pipe diameter	liquid size	1/4	inch
Dehumidifying capacity	--	0,8	l / h	Pipe diameter	gas size	3/8	inch
Dimensions of product (w / h / d)				Dimensions of package (w / h / d)			
Indoor unit	790 / 265 / 174		mm	Indoor unit	873 / 358 / 251		mm
Outdoor unit	776 / 540 / 320		mm	Outdoor unit	823 / 583 / 358		mm
Weight of product				Weight of package			
Indoor unit	8,5		kg	Indoor unit	10		kg
Outdoor unit	27		kg	Outdoor unit	29,5		kg
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: NEPA s.r.o., Purkyňova 45, Brno 612 00, CZ			
				www.ayrton-world.com			

* R410A (50% HFC-32, 50% HFC-125)

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