

AYL-09BI				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	P _{designc}	2,5	kW	Cooling	SEER	6,1	--
Heating / Average	P _{designh}	2,6	kW	Heating / Average	SCOP/A	4,0	--
Heating / Warmer	P _{designh}	2,8	kW	Heating / Warmer	SCOP/W	5,1	--
Heating / Colder	P _{designh}	2,7	kW	Heating / Colder	SCOP/C	3,2	--
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature T _j				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature T _j			
Item	symbol	value	unit	Item	symbol	value	unit
T _j = 35 °C	P _{dc}	2,69	kW	T _j = 35 °C	EERd	3,30	--
T _j = 30 °C	P _{dc}	1,89	kW	T _j = 30 °C	EERd	4,80	--
T _j = 25 °C	P _{dc}	1,19	kW	T _j = 25 °C	EERd	7,85	--
T _j = 20 °C	P _{dc}	1,00	kW	T _j = 20 °C	EERd	11,29	--
Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance / Average season, at indoor temperature 20 °C and outdoor temperature T _j			
Item	symbol	value	unit	Item	symbol	value	unit
T _j = - 7 °C	P _{dh}	2,31	kW	T _j = - 7 °C	COPd	2,74	--
T _j = 2 °C	P _{dh}	1,41	kW	T _j = 2 °C	COPd	4,05	--
T _j = 7 °C	P _{dh}	0,92	kW	T _j = 7 °C	COPd	4,84	--
T _j = 12 °C	P _{dh}	0,87	kW	T _j = 12 °C	COPd	5,97	--
T _j = bivalent temperature	P _{dh}	2,12	kW	T _j = bivalent temperature	COPd	2,54	--
T _j = operating limit	P _{dh}	2,31	kW	T _j = operating limit	COPd	2,74	--
Declared capacity for heating / Warmer season, at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance / Warmer season, at indoor temperature 20 °C and outdoor temperature T _j			
Item	symbol	value	unit	Item	symbol	value	unit
T _j = 2 °C	P _{dh}	2,93	kW	T _j = 2 °C	COPd	2,48	--
T _j = 7 °C	P _{dh}	1,83	kW	T _j = 7 °C	COPd	4,94	--
T _j = 12 °C	P _{dh}	0,87	kW	T _j = 12 °C	COPd	5,98	--
T _j = bivalent temperature	P _{dh}	2,93	kW	T _j = bivalent temperature	COPd	2,48	--
T _j = operating limit	P _{dh}	2,93	kW	T _j = operating limit	COPd	2,48	--
Declared capacity for heating / Colder season, at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance / Colder season, at indoor temperature 20 °C and outdoor temperature T _j			
Item	symbol	value	unit	Item	symbol	value	unit
T _j = - 7 °C	P _{dh}	1,65	kW	T _j = - 7 °C	COPd	2,97	--
T _j = 2 °C	P _{dh}	0,99	kW	T _j = 2 °C	COPd	3,62	--
T _j = 7 °C	P _{dh}	0,68	kW	T _j = 7 °C	COPd	4,46	--
T _j = 12 °C	P _{dh}	0,87	kW	T _j = 12 °C	COPd	5,96	--
T _j = bivalent temperature	P _{dh}	1,98	kW	T _j = bivalent temperature	COPd	1,86	--
T _j = operating limit	P _{dh}	2,12	kW	T _j = operating limit	COPd	2,54	--
T _j = - 15 °C	P _{dh}	x,x	kW	T _j = - 15 °C	COPd	x,x	--
Bivalent temperature				Operating limit temperature			
Item	symbol	value	unit	Item	symbol	value	unit
Heating / Average	T _{biv}	-7	°C	Heating / Average	T _{ol}	-10	°C
Heating / Warmer	T _{biv}	2	°C	Heating / Warmer	T _{ol}	2	°C
Heating / Colder	T _{biv}	-10	°C	Heating / Colder	T _{ol}	-20	°C
Off mode	P _{OFF}	0,00042	kW	Cooling	Q _{CE}	143	kWh/a
Standby mode	P _{SB}	0,00042	kW	Heating / Average	Q _{HE}	910	kWh/a
Thermostat-off mode	P _{TO}	0,00483	kW	Heating / Warmer	Q _{HE}	769	kWh/a
Crankcase heater mode	P _{CK}	0,0000	kW	Heating / Colder	Q _{HE}	1772	kWh/a
Capacity control				Other items			
Fixed	NO			Sound power level (indoor/outdoor)	L _{WA}	55 / 61	dB(A)
Staged	NO			Global warming potential	GWP	675	kgCO ₂ eq.
Variable	YES			Rated air flow (indoor/outdoor)	--	560/1600	m ³ / h
Name and address of the manufacturer or of its authorised representative.				Manufacturer: SINCLAIR Corp. Ltd., 1-4 Argyll St., London, UK Zástupce: SINCLAIR Global Group s.r.o., Purkyňova 45, Brno, CZ			
Contact details for obtaining more information				info@ayrton-world.com / www.ayrton-world.com			