

MODEL				ASGE-36BI-3 + ASD-36BI			
FUNCTION				FUNCTION			
Cooling	Yes			Average season	Yes		
Heating	Yes			Warmer season	No		
				Colder season	No		
Design load				Seasonal efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
Cooling	P _{designc}	10,0	kW	Cooling	SEER	6,1	--
Heating / Average	P _{designh}	9,0	kW	Heating / Average	SCOP/A	4,0	--
Heating / Warmer	P _{designh}	-	kW	Heating / Warmer	SCOP/W	-	--
Heating / Colder	P _{designh}	-	kW	Heating / Colder	SCOP/C	-	--
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}	10,05	kW	T _j = 35 °C	EER _d	3,21	--
T _j = 30 °C	P _{dc}	7,31	kW	T _j = 30 °C	EER _d	4,53	--
T _j = 25 °C	P _{dc}	4,64	kW	T _j = 25 °C	EER _d	7,02	--
T _j = 20 °C	P _{dc}	3,18	kW	T _j = 20 °C	EER _d	10,61	--
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}	8,17	kW	T _j = - 7 °C	COP _d	2,57	--
T _j = 2 °C	P _{dh}	4,88	kW	T _j = 2 °C	COP _d	3,90	--
T _j = 7 °C	P _{dh}	3,15	kW	T _j = 7 °C	COP _d	5,35	--
T _j = 12 °C	P _{dh}	3,05	kW	T _j = 12 °C	COP _d	6,31	--
T _j = bivalent temperature	P _{dh}	8,29	kW	T _j = bivalent temperature	COP _d	2,57	--
T _j = operating limit	P _{dh}	8,17	kW	T _j = operating limit	COP _d	2,57	--
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}	-	kW	T _j = 2 °C	COP _d	-	--
T _j = 7 °C	P _{dh}	-	kW	T _j = 7 °C	COP _d	-	--
T _j = 12 °C	P _{dh}	-	kW	T _j = 12 °C	COP _d	-	--
T _j = bivalent temperature	P _{dh}	-	kW	T _j = bivalent temperature	COP _d	-	--
T _j = operating limit	P _{dh}	-	kW	T _j = operating limit	COP _d	-	--
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}	-	kW	T _j = - 7 °C	COP _d	-	--
T _j = 2 °C	P _{dh}	-	kW	T _j = 2 °C	COP _d	-	--
T _j = 7 °C	P _{dh}	-	kW	T _j = 7 °C	COP _d	-	--
T _j = 12 °C	P _{dh}	-	kW	T _j = 12 °C	COP _d	-	--
T _j = bivalent temperature	P _{dh}	-	kW	T _j = bivalent temperature	COP _d	-	--
T _j = - 15 °C	P _{dh}	-	kW	T _j = - 15 °C	COP _d	-	--
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}	-	°C	Heating / Warmer	T _{ol}	-	°C
Heating / Colder	T _{biv}	-	°C	Heating / Colder	T _{ol}	-	°C
Cycling interval capacity				Cycling interval efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
For cooling	P _{cycc}	x,x	kW	For cooling	EER _{cycc}	x,x	--
For heating	P _{cyhc}	x,x	kW	For heating	COP _{cyhc}	x,x	--
Degradation co-efficient cooling	C _{dc}	0,25	--	Degradation co-efficient heating	C _{dh}	0,25	--
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off mode	P _{OFF}	0,0021	kW	Cooling	Q _{CE}	577	kWh/a
Standby mode	P _{SB}	0,0021	kW	Heating / Average	Q _{HE}	3218	kWh/a
Thermostat-off mode	P _{TO}	0,0165 / 0,0211	kW	Heating / Warmer	Q _{HE}	-	kWh/a
Crankcase heater mode	P _{CK}	0	kW	Heating / Colder	Q _{HE}	-	kWh/a
Capacity control				Other items			
Fixed	No			Sound power level (indoor/outdoor)	L _{WA}	65/70	dB(A)
Staged	No			Global warming potential	GWP	675	kgCO ₂ eq.
Variable	Yes			Rated air flow (indoor/outdoor)	--	1800/5900	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., Purkynova 45, 612 00 Brno, CZ			
				info@sinclair-solutions.com / www.sinclair-solutions.com			

* R32 (100% HFC-32)

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