Information requirements
(air-to-air air conditioners)

Model(s): ASGE-42BI2-3,ASF-42BI2							
Outdoor side heat exchanger of air conditioner	air						
Indoor side heat exchanger of air conditioner	air						
Type	compressor driven vapour compression						
If applicable: driver of compressor	electric motor						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	12,1	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	250,5	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19 °C (dry/wet bulb)				Declared energy efficiency ratiofor part load at given outdoor temperatures T_j			
T_j = + 35 °C	Pdc	12,17	kW	T_j = + 35 °C	EER_d	3,11	-
T_j = + 30 °C	Pdc	8,94	kW	T_j = + 30 °C	EER_d	4,65	-
T_j = + 25 °C	Pdc	5,59	kW	T_j = + 25 °C	EER_d	7,24	-
T_j = + 20 °C	Pdc	3,57	kW	T_j = + 20 °C	EER_d	11,41	-
Degradation co-efficient for air conditioners(*)	C_{dc}	0,25	—				-
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0,006	kW	Crankcase heater mode	P_{CK}	0,000	kW
Thermostat-off mode	P_{TO}	0,006	kW	Standby mode	P_{SB}	0,006	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	—	5200	m^3/h
Sound power level, indoor/outdoor	L_{WA}	57/72	dB				
If engine driven: Emissions of nitrogen oxides	NOx(**)	-	mg/kWh fuel input GCV				
GWP of the refrigerant	675		kg CO_2 eq (100 years)				
Contact details: Tel: +420 541 590 140 Fax: +420 541 590 124 E-mail: info@sinclair-solutions.com				Name of manufacturer: SINCLAIR CORPORATION Ltd., 16 Great Queen St., London, UK			

(*) If C_{dc} is not determined by measurement then the default degradation coefficient air conditioners shall be 0,25.
(**) From 26 September 2018.
Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

Information requirements
(heat pump)

Model(s): ASGE-42BI2-3,ASF-42BI2							
Outdoor side heat exchanger of heat pump	air						
Indoor side heat exchanger of heat pump	air						
Indication if the heater is equipped with a supplementary heater	no						
If applicable: driver of compressor	electric motor						
Parameters declared for	Average climate condition						
Item	symbol	value	unit	Item	symbol	value	unit
Rated heating capacity	$P_{rated,h}$	13,5	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	159,5	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = – 7 °C	Pdh	7,67	kW	T_j = – 7 °C	COP_d	2,92	-
T_j = + 2 °C	Pdh	4,50	kW	T_j = + 2 °C	COP_d	3,95	-
T_j = + 7 °C	Pdh	2,95	kW	T_j = + 7 °C	COP_d	4,98	-
T_j = + 12 °C	Pdh	3,23	kW	T_j = + 12 °C	COP_d	6,90	-
T_{biv} = bivalent temperature	Pdh	7,67	kW	T_{biv} = bivalent temperature	COP_d	2,92	-
T_{OL} = operation limit	Pdh	6,83	kW	T_{OL} = operation limit	COP_d	2,49	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	NA	kW	Tj = – 15 °C (if TOL < – 20 °C)	COP_d	NA	-
Bivalent temperature	T_{biv}	-7.00	°C	Operation limit temperature	T_{ol}	-10.00	°C
Degradation co-efficient heat pumps(**)	C_{dh}	0,25	—				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0,006	kW	Back-up heating capacity (*)	elbu	1,665	kW
Thermostat-off mode	P_{TO}	0,017	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0,000	kW	Standby mode	P_{SB}	0,006	kW
Other items							
Capacity control	variable			air flow rate, outdoor measured	—	5200	m^3/h
Sound power level, indoor/outdoor measured	L_{WA}	57/73	dB				
Emissions of nitrogen oxides (if applicable)	NOx(***)	-	mg/kWh input GCV	Rated brine or water flow rate, outdoor side heat exchanger	—	-	m^3/h
GWP of the refrigerant	675		kg CO_2 eq (100 years)				
Contact details: Tel: +420 541 590 140 Fax: +420 541 590 124 E-mail: info@sinclair-solutions.com				Name of manufacturer: SINCLAIR CORPORATION Ltd., 16 Great Queen St., London, UK			

(*)
(**) If Cdh is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.
(***) From 26 September 2018.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.