Information requirements
(air-to-air air conditioners)

Model(s):ASGE-60BI2-3 , ASD-60BI2							
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	$P_{rated,c}$	16.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	234.4	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27 ℃(19 ℃ (dry/wet bulb)				Declared energy efficiency ratiofor part load at given outdoor temperatures T_j			
T_j = + 35 ℃	Pdc	16.27	kW	T_j = + 35 ℃	EER_d	2.80	-
T_j = + 30 ℃	Pdc	11.51	kW	T_j = + 30 ℃	EER_d	4.41	-
T_j = + 25 ℃	Pdc	7.39	kW	T_j = + 25 ℃	EER_d	6.43	-
T_j = + 20 ℃	Pdc	3.72	kW	T_j = + 20 ℃	EER_d	11.25	-
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—				-
Power consumption in modes other than ‘active mode’							
Off mode	P_{OFF}	0.008	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermostat-off mode	P_{TO}	0.007	kW	Standby mode	P_{SB}	0.008	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	—	5500	m^3/h
Sound power level, indoor/outdoor	L_{WA}	69/72	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.

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Information requirements
(heat pump)

Model(s):ASGE-60BI2-3 , ASD-60BI2							
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	$P_{rated,h}$	17.0	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	151.0	%
Declared heating capacity for part load at indoor temperature 20 ℃ and outdoor temperature Tj				Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = – 7 ℃	Pdh	11.02	kW	T_j = – 7 ℃	COP_d	2.48	-
T_j = + 2 ℃	Pdh	6.66	kW	T_j = + 2 ℃	COP_d	3.75	-
T_j = + 7 ℃	Pdh	4.43	kW	T_j = + 7 ℃	COP_d	5.14	-
T_j = + 12 ℃	Pdh	3.04	kW	T_j = + 12 ℃	COP_d	5.48	-
T_{biv} = bivalent temperature	Pdh	11.02	kW	T_{biv} = bivalent temperature	COP_d	2.48	-
T_{OL} = operation limit	Pdh	11.61	kW	T_{OL} = operation limit	COP_d	2.48	-
Tj = – 15 ℃ (if TOL < – 20 ℃)	Pdh	NA	kW	Tj = – 15 ℃ (if TOL < – 20 ° C)	COP_d	NA	-
Bivalent temperature	T_{biv}	-7.00	℃	Operation limit temperature	T_{ol}	-10.00	℃
Degradation co-efficient heat pumps(**)	C_{dh}	0.25	—				
Power consumption in modes other than ‘active mode’				Supplementary heater			
Off mode	P_{OFF}	0.008	kW	Back-up heating capacity (*)	elbu	0.690	kW
Thermostat-off mode	P_{TO}	0.019	kW	Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0.000	kW	Standby mode	P_{SB}	0.008	kW
Other items							
Capacity control	variable			air flow rate, outdoor measured	—	5500	m^3/h
Sound power level, indoor/outdoor measured	L_{WA}	70/74	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.