Information requirements
(air-to-air air conditioners)

Model(s):DC-42TKDB(W)、DOX-42TKDB(W)							
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	$\eta_{s,c}$	244.4	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19 °C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = + 35 °C	Pdc	12.21	kW	T_j = + 35 °C	EER_d	3.26	—
T_j = + 30 °C	Pdc	8.66	kW	T_j = + 30 °C	EER_d	4.51	—
T_j = + 25 °C	Pdc	5.56	kW	T_j = + 25 °C	EER_d	7.14	—
T_j = + 20 °C	Pdc	3.77	kW	T_j = + 20 °C	EER_d	10.65	—
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—				—
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0.00357	kW	Crankcase heater mode	P_{CK}	0.0000	kW
Thermostat-off mode	P_{TO}	0.01497	kW	Standby mode	P_{SB}	0.00357	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	—	5900	m^3/h
Sound power level, indoor/outdoor measured	L_{WA}	66.4/69.2	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: sat.eurofredgroup.com.				Name and address of the supplier: EUROFRED S.A. C/ Marqus de Sentmenat, 97 08029 Barcelona			

(*) 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):DC-42TKDB(W)、DOX-42TKDB(W)							
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	$\eta_{s,h}$	159.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = – 7 °C	Pdh	8.91	kW	T_j = – 7 °C	COP_d	2.56	—
T_j = + 2 °C	Pdh	5.54	kW	T_j = + 2 °C	COP_d	4.05	—
T_j = + 7 °C	Pdh	3.53	kW	T_j = + 7 °C	COP_d	5.35	—
T_j = + 12 °C	Pdh	3.04	kW	T_j = + 12 °C	COP_d	5.85	—
T_{biv} = bivalent temperature	Pdh	8.91	kW	T_{biv} = bivalent temperature	COP_d	2.56	—
T_{OL} = operation limit	Pdh	7.91	kW	T_{OL} = operation limit	COP_d	2.45	—
For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	Pdh	NA	kW	For water-to-air heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	COP_d	NA	—
Bivalent temperature	T_{biv}	-7.00	°C	For water-to-air heat pumps: 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}	0.00357	kW	Back-up heating capacity (*)	elbu	—	kW
Thermostat-off mode	P_{TO}	0.01517	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.0000	kW	Standby mode	P_{SB}	0.00357	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: air flow rate, outdoor measured	—	5900	m^3/h
Sound power level, indoor/outdoor measured	L_{WA}	66.1/69.5	dB				
Emissions of nitrogen oxides (if applicable)	NOx(***)	/	mg/kWh input GCV	For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—	—	m^3/h
GWP of the refrigerant	675		kg CO2 eq (100 years)				
Contact details: sat.eurofredgroup.com.				Name and address of the supplier: EUROFRED S.A. C/ Marqus de Sentmenat, 97 08029 Barcelona			

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(**) 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.

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