Information requirements
(air-to-air air conditioners)

Model(s):DB-48KDB、DOX-48KDB(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	$P_{rated,c}$	13.4	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	246.6	%
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	13.40	kW	T_j = + 35 °C	EER_d	3.02	-
T_j = + 30 °C	Pdc	9.76	kW	T_j = + 30 °C	EER_d	4.49	-
T_j = + 25 °C	Pdc	6.36	kW	T_j = + 25 °C	EER_d	7.03	-
T_j = + 20 °C	Pdc	3.00	kW	T_j = + 20 °C	EER_d	10.93	-
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—				-
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0.0016	kW	Crankcase heater mode	P_{CK}	0	kW
Thermostat-off mode	P_{TO}	0.0108	kW	Standby mode	P_{SB}	0.0016	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	L_{WA}	65/70	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):DB-48KDB、DOX-48KDB(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	$P_{rated,h}$	15.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	145.8	%
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	10.35	kW	T_j = – 7 °C	COP_d	2.65	-
T_j = + 2 °C	Pdh	6.33	kW	T_j = + 2 °C	COP_d	3.29	-
T_j = + 7 °C	Pdh	4.08	kW	T_j = + 7 °C	COP_d	5.35	-
T_j = + 12 °C	Pdh	3.27	kW	T_j = + 12 °C	COP_d	7.00	-
T_{biv} = bivalent temperature	Pdh	10.35	kW	T_{biv} = bivalent temperature	COP_d	2.65	-
T_{OL} = operation limit	Pdh	9.06	kW	T_{OL} = operation limit	COP_d	2.51	-
For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	For water-to-air heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	COP_d	-	-
Bivalent temperature	T_{biv}	-7.00	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation co-efficient heat pumps(**)	C_{dh}	0.25	—				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.0016	kW	Back-up heating capacity (*)	elbu	-	kW
Thermostat-off mode	P_{TO}	0.0170	kW	Type of energy input	-		
Crankcase heater mode	P_{CK}	0	kW	Standby mode	P_{SB}	0.0016	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}	65/72	dB				
Emissions of nitrogen oxides (if applicable)	NOx(***)	-	mg/kWh input	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			

(*)
(**) 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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