Information requirements
(air-to-air air conditioners)

Model(s):DVO-40UIA							
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	$\eta_{s,c}$	265.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19 °C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = + 35 °C	Pdc	12.32	kW	T_j = + 35 °C	EER_d	3.30	-
T_j = + 30 °C	Pdc	8.65	kW	T_j = + 30 °C	EER_d	5.10	-
T_j = + 25 °C	Pdc	5.62	kW	T_j = + 25 °C	EER_d	9.40	-
T_j = + 20 °C	Pdc	3.64	kW	T_j = + 20 °C	EER_d	19.00	-
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	-				-
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0.048	kW	Crankcase heater mode	P_{CK}	0.048	kW
Thermostat-off mode	P_{TO}	0.010	kW	Standby mode	P_{SB}	0.048	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	-	6000	m^3/h
Sound power level, indoor/outdoor	L_{WA}	-/74	dB				
If engine driven: Emissions of nitrogen oxides	NOx(**)	-	mg/kWh fuel input GCV				
GWP of the refrigerant	2088		kg CO_2 eq (100 years)				
Contact details: C/ Marqués de Sentmenat 97, 08029 Barcelona				Name of manufacturer: Eurofred S.A.			

(*) 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): DVO-40UIA							
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	$P_{rated,h}$	12.1	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	155.8	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance part load at given outdoor temperatures Tj			
T_j = – 7 °C	Pdh	10.22	kW	T_j = – 7 °C	COP_d	2.40	-
T_j = + 2 °C	Pdh	6.18	kW	T_j = + 2 °C	COP_d	3.50	-
T_j = + 7 °C	Pdh	4.16	kW	T_j = + 7 °C	COP_d	6.40	-
T_j = + 12 °C	Pdh	2.83	kW	T_j = + 12 °C	COP_d	8.50	-
T_{biv} = bivalent temperature	Pdh	10.22	kW	T_{biv} = bivalent temperature	COP_d	2.40	-
T_{OL} = operation limit	Pdh	12.11	kW	T_{OL} = operation limit	COP_d	2.01	-
Tj = – 15 °C (if TOL < – 20 °C)	Pdh	-	kW	Tj = – 15 °C (if TOL < – 20 °C)	COP_d	-	-
Bivalent temperature	T_{biv}	-7	°C	Operation limit temperature	T_{ol}	-10	°C
Degradation co-efficient heat pumps(**)	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.048	kW	Back-up heating capacity (*)	elbu	0	kW
Thermostat-off mode	P_{TO}	0.053	kW	Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0.048	kW	Standby mode	P_{SB}	0.048	kW
Other items							
Capacity control	variable			air flow rate, outdoor measured	-	6000	m^3/h
Sound power level, indoor/outdoor measured	L_{WA}	-/75	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	2088		kg CO2 eq (100 years)				
Contact details: C/ Marqués de Sentmenat 97, Barcelona				Name of manufacturer: Eurofred S.A.			

(*)
(**) 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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