

**Information requirements
(air-to-air air conditioners)**

Model(s): DC-42KDB(W)、DOX-42KDB(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	$\eta_{s,c}$	241,9	%
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			
$T_j = + 35 \text{ °C}$	P_{dc}	12,11	kW	$T_j = + 35 \text{ °C}$	EER_d	3,03	-
$T_j = + 30 \text{ °C}$	P_{dc}	8,59	kW	$T_j = + 30 \text{ °C}$	EER_d	4,53	-
$T_j = + 25 \text{ °C}$	P_{dc}	5,51	kW	$T_j = + 25 \text{ °C}$	EER_d	6,98	-
$T_j = + 20 \text{ °C}$	P_{dc}	3,82	kW	$T_j = + 20 \text{ °C}$	EER_d	10,85	-
Degradation co-efficient for air conditioners(*)	C_{dc}	0,25	—				-
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0,0020	kW	Crankcase heater mode	P_{CK}	0.0000	kW
Thermostat-off mode	P_{TO}	0,0121	kW	Standby mode	P_{SB}	0,0020	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}	66.4/ 69.7	dB				
If engine driven: Emissions of nitrogen oxides	$NO_x(**)$	/	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-42KDB(W)、DOX-42KDB(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	$\eta_{s,h}$	149,1	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	Pdh	8,94	kW	$T_j = -7\text{ °C}$	COP _d	2,40	-
$T_j = +2\text{ °C}$	Pdh	5,43	kW	$T_j = +2\text{ °C}$	COP _d	3,68	-
$T_j = +7\text{ °C}$	Pdh	3,49	kW	$T_j = +7\text{ °C}$	COP _d	5,16	-
$T_j = +12\text{ °C}$	Pdh	2,63	kW	$T_j = +12\text{ °C}$	COP _d	5,97	-
T_{biv} = bivalent temperature	Pdh	8,94	kW	T_{biv} = bivalent temperature	COP _d	2,40	-
T_{OL} = operation limit	Pdh	8,61	kW	T_{OL} = operation limit	COP _d	2,34	-
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	Pdh	NA	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	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}	0,0020	kW	Back-up heating capacity (*)	elbu	-	kW
Thermostat-off mode	P_{TO}	0,0162	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0,0000	kW	Standby mode	P_{SB}	0,0020	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/ 68.6	dB				
Emissions of nitrogen oxides (if applicable)	NO _x (* **)	/	mg/kW h 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 CO ₂ eq (100 years)				
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(*) (**) If C_{dh} 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.							