

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

Model(s):DU-48TKDB、DOX-48TKDB(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	$\eta_{s,c}$	241.6	%
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			
$T_j = + 35\text{ °C}$	P_{dc}	13.40	kW	$T_j = + 35\text{ °C}$	EER_d	2.99	-
$T_j = + 30\text{ °C}$	P_{dc}	9.71	kW	$T_j = + 30\text{ °C}$	EER_d	4.64	-
$T_j = + 25\text{ °C}$	P_{dc}	6.18	kW	$T_j = + 25\text{ °C}$	EER_d	6.71	-
$T_j = + 20\text{ °C}$	P_{dc}	3.30	kW	$T_j = + 20\text{ °C}$	EER_d	10.92	-
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—				-
Power consumption in modes other than ‘active mode’							
Off mode	P_{OFF}	0.0032	kW	Crankcase heater mode	P_{CK}	0.0000	kW
Thermostat-off mode	P_{TO}	0.0164	kW	Standby mode	P_{SB}	0.0032	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}	61/72	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.euofredgroup.com.				Name and address of the supplier: EUOFRED 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):DU-48TKDB、DOX-48TKDB(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	$P_{rated,h}$	15.5	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	157.2	%
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			
$T_j = -7\text{ °C}$	P_{dh}	9.96	kW	$T_j = -7\text{ °C}$	COP_d	2.57	-
$T_j = +2\text{ °C}$	P_{dh}	6.16	kW	$T_j = +2\text{ °C}$	COP_d	3.80	-
$T_j = +7\text{ °C}$	P_{dh}	3.94	kW	$T_j = +7\text{ °C}$	COP_d	5.58	-
$T_j = +12\text{ °C}$	P_{dh}	3.06	kW	$T_j = +12\text{ °C}$	COP_d	6.51	-
T_{biv} = bivalent temperature	P_{dh}	9.96	kW	T_{biv} = bivalent temperature	COP_d	2.57	-
T_{OL} = operation limit	P_{dh}	9.37	kW	T_{OL} = operation limit	COP_d	2.56	-
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	P_{dh}	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}	0.0032	kW	Back-up heating capacity (*)	elbu	-	kW
Thermostat-off mode	P_{TO}	0.0243	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.0000	kW	Standby mode	P_{SB}	0.0033	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}	61/73	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	/	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 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_{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.							