

Table 11 - Information requirements for air-Table 11 - to-air air conditioners

RXYQ8U7Y1B + 4 x FXFQ50AVEB								
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}	22.4	kW		Seasonal space cooling energy efficiency	η _{s,c}	302.4	%
Declared cooling capacity for part load at given outdoor temperatures Tj 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 Tj			
Tj = + 35 °C	Pdc	22.4	kW		Tj = + 35 °C	EER _d or GUE _{c,bin} /AEF _{c,bin}	3.0	
Tj = + 30 °C	Pdc	16.5	kW		Tj = + 30 °C	EER _d or GUE _{c,bin} /AEF _{c,bin}	5.2	
Tj = + 25 °C	Pdc	10.6	kW		Tj = + 25 °C	EER _d or GUE _{c,bin} /AEF _{c,bin}	9.5	
Tj = + 20 °C	Pdc	8.0	kW		Tj = + 20 °C	EER _d or GUE _{c,bin} /AEF _{c,bin}	18.8	
Degradation co-efficient for air conditioners ^(*11)	C _{dc}	0.25	—					
Power consumption in modes other than ‘active mode’								
Off mode	P _{OFF}	0.041	kW		Crankcase heater mode	P _{CK}	0.000	kW
Thermostat-off mode	P _{TO}	0.005	kW		Standby mode	P _{SB}	0.041	kW
Other items								
Capacity control	Inverter controlled				For air-to-air air conditioner: air flow rate, outdoor measured	—	9,720	m³/h
Sound power level, outdoor	L _{WA}	78.0	dB					
If engine driven: Emissions of nitrogen oxides	NO _x ^(*12)	N/A	mg/kWh fuel input GCV					
GWP of the refrigerant		2,087.5	kg CO _{2eq} (100 years)					
Contact details	Daikin Europe N.V. Zandvoordestraat 300, B-8400 Oostende, Belgium							

Table 14 - Information requirements for heat pumps

RXYQ8U7Y1B + 4 x FXFQ50AVEB								
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 shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	13.7	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167.9	%
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}	12.1	kW		$T_j = -7\text{ °C}$	COP_d or $GUE_{h,bin}/AEF_{h,bin}$	2.7	
$T_j = +2\text{ °C}$	P_{dh}	7.4	kW		$T_j = +2\text{ °C}$	COP_d or $GUE_{h,bin}/AEF_{h,bin}$	3.9	
$T_j = +7\text{ °C}$	P_{dh}	5.0	kW		$T_j = +7\text{ °C}$	COP_d or $GUE_{h,bin}/AEF_{h,bin}$	6.3	
$T_j = +12\text{ °C}$	P_{dh}	5.9	kW		$T_j = +12\text{ °C}$	COP_d or $GUE_{h,bin}/AEF_{h,bin}$	7.9	
T_{biv} = Bivalent temperature	P_{dh}	13.7	kW		T_{biv} = Bivalent temperature	COP_d or $GUE_{h,bin}/AEF_{h,bin}$	2.5	
T_{OL} = operation limit	P_{dh}	13.7	kW		T_{OL} = operation limit	COP_d or $GUE_{h,bin}/AEF_{h,bin}$	2.5	
For air-to-air heat pumps: air flow rate, outdoor measured $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	N/A	kW		For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d or $GUE_{h,bin}/AEF_{h,bin}$	N/A	
Bivalent temperature	T_{biv}	-10	°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}	0.052	kW		Back-up heating capacity	el_{bu}	0.0	kW
Thermostat-off mode	P_{TO}	0.056	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.052	kW		Standby mode	P_{SB}	0.052	kW
Other items								

Capacity control	Inverter controlled				For air-to-air heat pumps: air flow rate, outdoor measured	—	9,720	m³/h
Sound power level, indoor/outdoor measured	L _{WA}	62.7	dB		For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—		m³/h
Emissions of nitrogen oxides (if applicable)	NO _x ^(***)	N/A	mg/kWh fuel input GCV					
GWP of the refrigerant		2,087.5	kg CO _{2eq} (100 years)					
Contact details	Daikin Europe N.V. Zandvoordestraat 300, B-8400 Oostende, Belgium							