

Information requirements for air-to-air air conditioners								
Model(s):	Indoor unit(s)	42QSS048R8S						
	Outdoor unit	38QUS048R8T						
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	Prated,c	14.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	241.0	%
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	14.19	kW		Tj = 35°C	EERd	275.22	%
Tj = 30°C	Pdc	10.34	kW		Tj = 30°C	EERd	454.42	%
Tj = 25°C	Pdc	6.77	kW		Tj = 25°C	EERd	725.86	%
Tj = 20°C	Pdc	3.16	kW		Tj = 20°C	EERd	1175.09	%
Degradation co-efficient for air conditioners (*)								
	Cdc	0.25	—					
Power consumption in modes other than 'active mode'								
Off mode	POFF	0.014	kW		Crankcase heater mode	PCK	0.000	kW
Thermostat-on mode	PTO	0.005	kW		Standby mode	PSB	0.014	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	—	7,500	m3/h
Sound power level,outdoor	LWA	67/75	dB					
If engine driven: Emissions of nitrogen oxides	NOx (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100 years)					
Contact details	Beijer Ref AB Stortorget 8, Malmö, Sweden							

Information requirements for heat pumps								
Model(s):	Indoor unit(s)	42QSS048R8S						
	Outdoor unit	38QUS048R8T						
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								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	11.80	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	157.0	%
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			
Item	symbol	value	unit		Item	symbol	value	unit
$T_j = -7^\circ\text{C}$	P_{dh}	10.83	kW		$T_j = -7^\circ\text{C}$	COP_d	276.10	%
$T_j = 2^\circ\text{C}$	P_{dh}	6.65	kW		$T_j = 2^\circ\text{C}$	COP_d	391.06	%
$T_j = 7^\circ\text{C}$	P_{dh}	4.15	kW		$T_j = 7^\circ\text{C}$	COP_d	523.05	%
$T_j = 12^\circ\text{C}$	P_{dh}	2.66	kW		$T_j = 12^\circ\text{C}$	COP_d	590.00	%
T_{biv} = bivalent temperature	P_{dh}	10.64	kW		T_{biv} = bivalent temperature	COP_d	219.35	%
T_{OL} = operating limit	P_{dh}	10.83	kW		T_{OL} = operating limit	COP_d	276.10	%
For air-to-water heat pumps: $T_j = -15^\circ\text{C}$	P_{dh}	x,x	kW		For air-to-water heat pumps: $T_j = -15^\circ\text{C}$ (if $T_{OL} < -20^\circ\text{C}$)	COP_d	x,x	%
Bivalent temperature	T_{biv}	-7	°C		For water-to-air heat pumps: Operation limit temperature	T_{ol}	x	°C
Degradation co-efficient heat pumps (**)	C_{dh}	0.25	—					
Power consumption in modes other than 'active					Supplementary heater			
Off mode	P_{off}	0.014	kW		Back-up heating capacity (*)	el_{bu}	1.300	kW
Thermostat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.000	kW		Standby mode	P_{sb}	0.014	kW
Other items								
Capacity control	variable				For air-to-air heat pumps: air flow rate, outdoor measured	—	7,500	m ³ /h
Sound power level,outdoor	L_{WA}	67/75	dB		For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—	x	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x (**)	x	mg/kWh fuel input					
GWP of the refrigerant		675	kg CO ₂ eq (100)					
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