

Climaveneta Technical Documentation
ERACS2-Q-G05_1062_3222_201812_EN

REGULATION (EU) N. 813/2013

Ecodesign requirements for space heaters

MULTIFUNCTION UNITS AIR SOURCE

ERACS2-Q-G05 1062 - 3222

Heating Capacity Range 213 - 617 [kW] - (EN14511 VALUE)
Nominal Heating Capacity at TdesignH Range 153 - 400 [kW]

EN



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1. REGULATION (EU) N. 813/2013

1.1 Scope of the document

This document is compliant with the Commission Regulation (EU) N. 813/2013 regarding "REQUIREMENTS FOR PRODUCT INFORMATION" (Annex II, Point 5) and it is made by the required information set out of the Table 2, Annex II of the Regulation called "Information requirements for heat pump space heaters and heat pump combination heaters".

1.2 REGULATION (EU) N. 813/2013 description

The COMMISSION REGULATION (EU) N. 813/2013 of 2 August 2013, implementing Directive 2009/125/EC of the European Parliament and of the Council, establishes ecodesign requirements for the placing on the market and/or putting into service of space heaters and combination heaters with a rated heat output ≤ 400 kW, including those integrated in packages of space heater, temperature control and solar device or packages of combination heater, temperature control and solar device as defined in Article 2 of Commission Delegated Regulation (EU) N. 811/2013.

1.3 Description of the data declared by Mitsubishi Electric Hydronics & IT Cooling Systems

- Heat pump combination heater: heat pump space heater that is designed to also provide heat to deliver hot drinking.
- Low-temperature application: application where the heat pump space heater delivers its declared capacity for heating at an indoor heat exchanger outlet temperature of 35 °C.
- Medium-temperature application: application where the heat pump space heater or heat pump combination heater delivers its declared capacity for heating at an indoor heat exchanger outlet temperature of 55 °C.
- TdesignH: temperature at reference design conditions.
- PdesignH, Design load for heating: the rated heat output of a heat pump space heater or heat pump combination heater at the reference design temperature, whereby the design load for heating is equal to the part load for heating with outdoor temperature equal to reference design temperature, expressed in kW.
- Seasonal space heating energy efficiency (η_s): ratio between the space heating demand for a designated heating season, supplied by a heater and the annual energy consumption required to meet this demand, expressed in %.
- Seasonal space heating energy efficiency class: efficiency class determined on the basis of its seasonal space heating energy efficiency with a difference distribution between heaters and low temperature heat pumps.
- Low-temperature heat pump: heat pump space heater that is specifically designed for low-temperature application, and that cannot deliver heating water with an outlet temperature of 52 °C at an inlet dry (wet) bulb temperature of - 7 °C (- 8 °C) in the reference design conditions for average climate.
- Bivalent temperature: the outdoor temperature declared by the manufacturer for heating at which the declared capacity for heating equals the part load for heating and below which the declared capacity for heating requires supplementary capacity for heating to meet the part load for heating.
- Operation limit temperature: the outdoor temperature declared by the manufacturer for heating, below which the air-to-water heat pump space heater or air-to-water heat pump combination heater will not be able to deliver any heating capacity and the declared capacity for heating is equal to zero.
- Degradation coefficient: measure of efficiency loss due to cycling of heat pump space heaters or heat pump combination heaters.
- Off mode: a condition in which the heat pump space heater or heat pump combination heater is connected to the mains power source and is not providing any function.
- Thermostat-off mode: condition corresponding to the hours with no heating load and activated heating function, whereby the heating function is switched on but the heat pump space heater or heat pump combination heater is not operational.
- Standby mode: condition where the heater is connected to the mains power source, depends on energy input from the mains power source to work as intended and provides only the following functions, which may persist for an indefinite time: reactivation function, or reactivation function and only an indication of enabled reactivation function, and/or information or status display.
- Crankcase heater mode: condition in which a heating device is activated to avoid the refrigerant migrating to the compressor so as to limit the refrigerant concentration in oil when the compressor is started.
- Seasonal coefficient of performance (SCOP): the overall coefficient of performance of a heat pump heater representative of the designated heating season, calculated as the reference annual heating demand divided by the annual energy consumption.
- Supplementary capacity for heating: rated heat output of a supplementary heater that supplements the declared capacity for heating to meet the part

load for heating, if the declared capacity for heating is less than the part load for heating.

- Capacity control: ability of a heat pump space heater or heat pump combination heater to change its capacity by changing the volumetric flow rate of at least one of the fluids needed to operate the refrigeration cycle.
- Annual energy consumption: means the energy consumption required to meet the reference annual heating demand for a designated heating season.
- Sound power level (LWA): the A-weighted sound power level, indoors and/or outdoors, expressed in dB.

2. CLIMAVENETA CONTENTS UNIT

2.1 Table index

MULTIFUNCTION UNITS AIR SOURCE

ERACS2-Q-G05 1062 - 3222

Heating Capacity Range 213 - 617 [kW]

Nominal Heating Capacity at TdesignH Range 153 - 400 [kW]

Units	Version	Size					Pag.
ERACS2-Q-G05	CA	1062	1162	1362	1562	1762	5
		1962	2022	2222	2422	2622	
ERACS2-Q-G05	LN-CA	1062	1162	1362	1562	1762	15
		1962	2022	2222	2422	2622	
ERACS2-Q-G05	SL-CA	1062	1162	1362	1562	1762	25
		1962	2022	2222	2422	2622	
ERACS2-Q-G05	XL-CA	2022	2222				35
ERACS2-Q-G05	XL-CA-E	1062	1162	1362	1562	1762	37
		2022	2222				

ERACS2-Q-G05 /CA 1062			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	157
Seasonal space heating energy efficiency	ηs	[%]	131
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	139
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	84,5
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	65,0
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	74,6
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	139
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	132
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,61
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,26
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,16
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	4,81
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,61
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,44
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,732
Standby mode	PSB	[kW]	0,590
Crankcase heater mode	PCK	[kW]	0,590
Supplementary heater			
Nominal heating capacity	Psup	[kW]	25,3
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	97
Annual electricity consumption for heating	QHE	[kWh]	96562
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	22,84
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /CA 1162			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at T_{designh}	Prated = P_{designh}	[kW]	213
Seasonal space heating energy efficiency	η_s	[%]	125
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared capacity for heating with outdoor temperature T _j = - 7 °C	P _{dh}	[kW]	164
Declared capacity for heating with outdoor temperature T _j = +2 °C	P _{dh}	[kW]	114
Declared capacity for heating with outdoor temperature T _j = +7 °C	P _{dh}	[kW]	81,4
Declared capacity for heating with outdoor temperature T _j = +12 °C	P _{dh}	[kW]	93,5
Declared capacity for heating with outdoor temperature T _j = Bivalent temperature	P _{dh}	[kW]	172
Declared capacity for heating with outdoor temperature T _j = Operation limit temperature	P _{dh}	[kW]	154
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	[kW]	-
Bivalent temperature	T _{biv}	[°C]	-5
Degradation coefficient	C _{dh}	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared coefficient of performance with outdoor temperature T _j = - 7 °C	COP _d	-	2,66
Declared coefficient of performance with outdoor temperature T _j = +2 °C	COP _d	-	2,97
Declared coefficient of performance with outdoor temperature T _j = +7 °C	COP _d	-	3,96
Declared coefficient of performance with outdoor temperature T _j = +12 °C	COP _d	-	4,75
Declared coefficient of performance with outdoor temperature T _j = Bivalent temperature	COP _d	-	2,80
Declared coefficient of performance with outdoor temperature T _j = Operation limit temperature	COP _d	-	2,47
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,061
Standby mode	PSB	[kW]	0,590
Crankcase heater mode	PCK	[kW]	0,590
Supplementary heater			
Nominal heating capacity	P _{sup}	[kW]	58,8
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	97
Annual electricity consumption for heating	QHE	[kWh]	137073
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Q _{airsource}	[m³/h]	24,95
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Q _{water/brine source}	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /CA 1362			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at T_{designh}	Prated = P_{designh}	[kW]	221
Seasonal space heating energy efficiency	η_s	[%]	133
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared capacity for heating with outdoor temperature T _j = - 7 °C	P _{dh}	[kW]	196
Declared capacity for heating with outdoor temperature T _j = +2 °C	P _{dh}	[kW]	119
Declared capacity for heating with outdoor temperature T _j = +7 °C	P _{dh}	[kW]	93,9
Declared capacity for heating with outdoor temperature T _j = +12 °C	P _{dh}	[kW]	108
Declared capacity for heating with outdoor temperature T _j = Bivalent temperature	P _{dh}	[kW]	196
Declared capacity for heating with outdoor temperature T _j = Operation limit temperature	P _{dh}	[kW]	184
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	[kW]	-
Bivalent temperature	T _{biv}	[°C]	-7
Degradation coefficient	C _{dh}	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared coefficient of performance with outdoor temperature T _j = - 7 °C	COP _d	-	2,71
Declared coefficient of performance with outdoor temperature T _j = +2 °C	COP _d	-	3,23
Declared coefficient of performance with outdoor temperature T _j = +7 °C	COP _d	-	4,27
Declared coefficient of performance with outdoor temperature T _j = +12 °C	COP _d	-	5,01
Declared coefficient of performance with outdoor temperature T _j = Bivalent temperature	COP _d	-	2,71
Declared coefficient of performance with outdoor temperature T _j = Operation limit temperature	COP _d	-	2,51
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,070
Standby mode	PSB	[kW]	0,590
Crankcase heater mode	PCK	[kW]	0,590
Supplementary heater			
Nominal heating capacity	P _{sup}	[kW]	36,9
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	97
Annual electricity consumption for heating	QHE	[kWh]	134450
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Q _{airsource}	[m³/h]	27,23
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Q _{water/brine source}	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /CA 1562			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	244
Seasonal space heating energy efficiency	ηs	[%]	136
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	216
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	131
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	100
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	116
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	216
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	205
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,70
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,37
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,31
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	4,95
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,70
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,51
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,340
Standby mode	PSB	[kW]	0,649
Crankcase heater mode	PCK	[kW]	0,649
Supplementary heater			
Nominal heating capacity	Psup	[kW]	39,0
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	98
Annual electricity consumption for heating	QHE	[kWh]	145087
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	33,26
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /CA 1762			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at T_{designh}	Prated = P_{designh}	[kW]	285
Seasonal space heating energy efficiency	η_s	[%]	131
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared capacity for heating with outdoor temperature T _j = - 7 °C	P _{dh}	[kW]	252
Declared capacity for heating with outdoor temperature T _j = +2 °C	P _{dh}	[kW]	153
Declared capacity for heating with outdoor temperature T _j = +7 °C	P _{dh}	[kW]	122
Declared capacity for heating with outdoor temperature T _j = +12 °C	P _{dh}	[kW]	140
Declared capacity for heating with outdoor temperature T _j = Bivalent temperature	P _{dh}	[kW]	252
Declared capacity for heating with outdoor temperature T _j = Operation limit temperature	P _{dh}	[kW]	237
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	[kW]	-
Bivalent temperature	T _{biv}	[°C]	-7
Degradation coefficient	C _{dh}	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared coefficient of performance with outdoor temperature T _j = - 7 °C	COP _d	-	2,68
Declared coefficient of performance with outdoor temperature T _j = +2 °C	COP _d	-	3,19
Declared coefficient of performance with outdoor temperature T _j = +7 °C	COP _d	-	4,20
Declared coefficient of performance with outdoor temperature T _j = +12 °C	COP _d	-	4,92
Declared coefficient of performance with outdoor temperature T _j = Bivalent temperature	COP _d	-	2,68
Declared coefficient of performance with outdoor temperature T _j = Operation limit temperature	COP _d	-	2,48
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,490
Standby mode	PSB	[kW]	0,649
Crankcase heater mode	PCK	[kW]	0,649
Supplementary heater			
Nominal heating capacity	P _{sup}	[kW]	47,5
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	99
Annual electricity consumption for heating	QHE	[kWh]	175662
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Q _{airsource}	[m³/h]	35,61
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Q _{water/brine source}	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /CA 1962			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at T_{designh}	Prated = P_{designh}	[kW]	314
Seasonal space heating energy efficiency	η_s	[%]	137
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared capacity for heating with outdoor temperature T _j = - 7 °C	P _{dh}	[kW]	278
Declared capacity for heating with outdoor temperature T _j = +2 °C	P _{dh}	[kW]	169
Declared capacity for heating with outdoor temperature T _j = +7 °C	P _{dh}	[kW]	130
Declared capacity for heating with outdoor temperature T _j = +12 °C	P _{dh}	[kW]	150
Declared capacity for heating with outdoor temperature T _j = Bivalent temperature	P _{dh}	[kW]	278
Declared capacity for heating with outdoor temperature T _j = Operation limit temperature	P _{dh}	[kW]	264
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	[kW]	-
Bivalent temperature	T _{biv}	[°C]	-7
Degradation coefficient	C _{dh}	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared coefficient of performance with outdoor temperature T _j = - 7 °C	COP _d	-	2,70
Declared coefficient of performance with outdoor temperature T _j = +2 °C	COP _d	-	3,38
Declared coefficient of performance with outdoor temperature T _j = +7 °C	COP _d	-	4,35
Declared coefficient of performance with outdoor temperature T _j = +12 °C	COP _d	-	5,02
Declared coefficient of performance with outdoor temperature T _j = Bivalent temperature	COP _d	-	2,70
Declared coefficient of performance with outdoor temperature T _j = Operation limit temperature	COP _d	-	2,53
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,138
Standby mode	PSB	[kW]	0,649
Crankcase heater mode	PCK	[kW]	0,649
Supplementary heater			
Nominal heating capacity	P _{sup}	[kW]	50,2
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	99
Annual electricity consumption for heating	QHE	[kWh]	186138
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Q _{airsource}	[m³/h]	41,58
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Q _{water/brine source}	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /CA 2022			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	362
Seasonal space heating energy efficiency	ηs	[%]	134
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	320
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	195
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	147
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	169
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	320
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	308
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,77
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,24
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,28
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,01
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,77
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,61
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,188
Standby mode	PSB	[kW]	0,753
Crankcase heater mode	PCK	[kW]	0,753
Supplementary heater			
Nominal heating capacity	Psup	[kW]	54,1
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	99
Annual electricity consumption for heating	QHE	[kWh]	218601
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	38,06
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /CA 2222			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	391
Seasonal space heating energy efficiency	ηs	[%]	139
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	346
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	211
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	156
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	178
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	346
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	329
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,80
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,39
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,42
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,13
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,80
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,60
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,409
Standby mode	PSB	[kW]	0,762
Crankcase heater mode	PCK	[kW]	0,762
Supplementary heater			
Nominal heating capacity	Psup	[kW]	61,9
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	101
Annual electricity consumption for heating	QHE	[kWh]	228241
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	50,60
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /CA 2422			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	357
Seasonal space heating energy efficiency	ηs	[%]	139
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	316
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	192
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	158
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	181
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	357
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	357
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-10
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,78
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,41
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,45
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,15
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,66
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,66
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,597
Standby mode	PSB	[kW]	0,762
Crankcase heater mode	PCK	[kW]	0,762
Supplementary heater			
Nominal heating capacity	Psup	[kW]	0,00
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	0
Annual electricity consumption for heating	QHE	[kWh]	207419
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	46,03
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /CA 2622			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	400
Seasonal space heating energy efficiency	ηs	[%]	139
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	354
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	215
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	194
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	225
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	400
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	400
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-10
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,84
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,39
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,49
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,20
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,74
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,74
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,206
Standby mode	PSB	[kW]	0,770
Crankcase heater mode	PCK	[kW]	0,770
Supplementary heater			
Nominal heating capacity	Psup	[kW]	0,00
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	0
Annual electricity consumption for heating	QHE	[kWh]	232506
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	46,03
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /LN-CA 1062			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	157
Seasonal space heating energy efficiency	ηs	[%]	131
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	139
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	84,5
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	65,0
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	74,6
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	139
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	132
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,61
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,26
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,16
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	4,81
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,61
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,44
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,732
Standby mode	PSB	[kW]	0,590
Crankcase heater mode	PCK	[kW]	0,590
Supplementary heater			
Nominal heating capacity	Psup	[kW]	25,3
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	91
Annual electricity consumption for heating	QHE	[kWh]	96562
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	22,84
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /LN-CA 1162			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	213
Seasonal space heating energy efficiency	ηs	[%]	125
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	164
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	114
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	81,4
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	93,5
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	172
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	154
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-5
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,66
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	2,97
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	3,96
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	4,75
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,80
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,47
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,061
Standby mode	PSB	[kW]	0,590
Crankcase heater mode	PCK	[kW]	0,590
Supplementary heater			
Nominal heating capacity	Psup	[kW]	58,8
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	92
Annual electricity consumption for heating	QHE	[kWh]	137073
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	24,95
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /LN-CA 1362			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	221
Seasonal space heating energy efficiency	ηs	[%]	133
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	196
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	119
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	93,9
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	108
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	196
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	184
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,71
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,23
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,27
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,01
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,71
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,51
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,070
Standby mode	PSB	[kW]	0,590
Crankcase heater mode	PCK	[kW]	0,590
Supplementary heater			
Nominal heating capacity	Psup	[kW]	36,9
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	92
Annual electricity consumption for heating	QHE	[kWh]	134450
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	27,23
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /LN-CA 1562			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	244
Seasonal space heating energy efficiency	ηs	[%]	136
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	216
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	131
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	100
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	116
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	216
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	205
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,70
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,37
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,31
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	4,95
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,70
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,51
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,340
Standby mode	PSB	[kW]	0,649
Crankcase heater mode	PCK	[kW]	0,649
Supplementary heater			
Nominal heating capacity	Psup	[kW]	39,0
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	93
Annual electricity consumption for heating	QHE	[kWh]	145087
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	33,26
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /LN-CA 1762			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	285
Seasonal space heating energy efficiency	ηs	[%]	131
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	252
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	153
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	122
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	140
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	252
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	237
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,68
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,19
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,20
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	4,92
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,68
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,48
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,490
Standby mode	PSB	[kW]	0,649
Crankcase heater mode	PCK	[kW]	0,649
Supplementary heater			
Nominal heating capacity	Psup	[kW]	47,5
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	93
Annual electricity consumption for heating	QHE	[kWh]	175662
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	35,61
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /LN-CA 1962			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	314
Seasonal space heating energy efficiency	ηs	[%]	137
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	278
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	169
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	130
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	150
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	278
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	264
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,70
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,38
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,35
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,02
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,70
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,53
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,138
Standby mode	PSB	[kW]	0,649
Crankcase heater mode	PCK	[kW]	0,649
Supplementary heater			
Nominal heating capacity	Psup	[kW]	50,2
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	93
Annual electricity consumption for heating	QHE	[kWh]	186138
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	41,58
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /LN-CA 2022			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	362
Seasonal space heating energy efficiency	ηs	[%]	134
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	320
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	195
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	147
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	169
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	320
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	308
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,77
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,24
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,28
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,01
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,77
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,61
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,188
Standby mode	PSB	[kW]	0,882
Crankcase heater mode	PCK	[kW]	0,882
Supplementary heater			
Nominal heating capacity	Psup	[kW]	54,1
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	94
Annual electricity consumption for heating	QHE	[kWh]	218624
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	38,06
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /LN-CA 2222			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	391
Seasonal space heating energy efficiency	ηs	[%]	139
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	346
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	211
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	156
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	178
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	346
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	329
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,80
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,39
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,42
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,13
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,80
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,60
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,409
Standby mode	PSB	[kW]	0,937
Crankcase heater mode	PCK	[kW]	0,937
Supplementary heater			
Nominal heating capacity	Psup	[kW]	61,9
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	96
Annual electricity consumption for heating	QHE	[kWh]	228272
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	50,60
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /LN-CA 2422			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	357
Seasonal space heating energy efficiency	ηs	[%]	139
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	316
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	192
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	158
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	181
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	357
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	357
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-10
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,78
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,41
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,45
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,15
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,66
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,66
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,597
Standby mode	PSB	[kW]	0,937
Crankcase heater mode	PCK	[kW]	0,937
Supplementary heater			
Nominal heating capacity	Psup	[kW]	0,00
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	0
Annual electricity consumption for heating	QHE	[kWh]	207450
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	46,03
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /LN-CA 2622			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at T_{designh}	Prated = P_{designh}	[kW]	400
Seasonal space heating energy efficiency	η_s	[%]	139
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared capacity for heating with outdoor temperature T _j = - 7 °C	P _{dh}	[kW]	354
Declared capacity for heating with outdoor temperature T _j = +2 °C	P _{dh}	[kW]	215
Declared capacity for heating with outdoor temperature T _j = +7 °C	P _{dh}	[kW]	194
Declared capacity for heating with outdoor temperature T _j = +12 °C	P _{dh}	[kW]	225
Declared capacity for heating with outdoor temperature T _j = Bivalent temperature	P _{dh}	[kW]	400
Declared capacity for heating with outdoor temperature T _j = Operation limit temperature	P _{dh}	[kW]	400
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	[kW]	-
Bivalent temperature	T _{biv}	[°C]	-10
Degradation coefficient	C _{dh}	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared coefficient of performance with outdoor temperature T _j = - 7 °C	COP _d	-	2,84
Declared coefficient of performance with outdoor temperature T _j = +2 °C	COP _d	-	3,39
Declared coefficient of performance with outdoor temperature T _j = +7 °C	COP _d	-	4,49
Declared coefficient of performance with outdoor temperature T _j = +12 °C	COP _d	-	5,20
Declared coefficient of performance with outdoor temperature T _j = Bivalent temperature	COP _d	-	2,74
Declared coefficient of performance with outdoor temperature T _j = Operation limit temperature	COP _d	-	2,74
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,206
Standby mode	PSB	[kW]	0,944
Crankcase heater mode	PCK	[kW]	0,944
Supplementary heater			
Nominal heating capacity	P _{sup}	[kW]	0,00
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	0
Annual electricity consumption for heating	QHE	[kWh]	232537
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Q _{airsource}	[m³/h]	46,03
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Q _{water/brine source}	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /SL-CA 1062			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	153
Seasonal space heating energy efficiency	ηs	[%]	131
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	136
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	82,7
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	65,0
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	74,6
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	136
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	129
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,65
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,25
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,17
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	4,82
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,65
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,48
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,683
Standby mode	PSB	[kW]	0,590
Crankcase heater mode	PCK	[kW]	0,590
Supplementary heater			
Nominal heating capacity	Psup	[kW]	24,0
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	87
Annual electricity consumption for heating	QHE	[kWh]	94429
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	18,30
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /SL-CA 1162			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	207
Seasonal space heating energy efficiency	ηs	[%]	125
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	160
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	111
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	81,3
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	93,4
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	167
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	150
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-5
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,68
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	2,97
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	3,97
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	4,77
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,82
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,50
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,981
Standby mode	PSB	[kW]	0,590
Crankcase heater mode	PCK	[kW]	0,590
Supplementary heater			
Nominal heating capacity	Psup	[kW]	56,5
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	88
Annual electricity consumption for heating	QHE	[kWh]	133131
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	20,20
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /SL-CA 1362			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	217
Seasonal space heating energy efficiency	ηs	[%]	133
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	192
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	117
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	93,8
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	108
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	192
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	181
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,72
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,24
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,28
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,02
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,72
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,53
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,001
Standby mode	PSB	[kW]	0,590
Crankcase heater mode	PCK	[kW]	0,590
Supplementary heater			
Nominal heating capacity	Psup	[kW]	35,7
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	88
Annual electricity consumption for heating	QHE	[kWh]	131733
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	22,11
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /SL-CA 1562			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	238
Seasonal space heating energy efficiency	ηs	[%]	136
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	211
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	128
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	100
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	115
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	211
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	201
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,73
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,37
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,32
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	4,97
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,73
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,54
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,243
Standby mode	PSB	[kW]	0,649
Crankcase heater mode	PCK	[kW]	0,649
Supplementary heater			
Nominal heating capacity	Psup	[kW]	37,7
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	89
Annual electricity consumption for heating	QHE	[kWh]	141510
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	26,94
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /SL-CA 1762			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	279
Seasonal space heating energy efficiency	ηs	[%]	131
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	246
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	150
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	122
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	140
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	246
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	233
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,70
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,19
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,21
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	4,94
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,70
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,51
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,385
Standby mode	PSB	[kW]	0,649
Crankcase heater mode	PCK	[kW]	0,649
Supplementary heater			
Nominal heating capacity	Psup	[kW]	45,7
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	89
Annual electricity consumption for heating	QHE	[kWh]	171641
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	28,63
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /SL-CA 1962			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	307
Seasonal space heating energy efficiency	ηs	[%]	137
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	272
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	166
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	130
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	150
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	272
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	259
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,73
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,37
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,36
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,03
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,73
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,55
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,054
Standby mode	PSB	[kW]	0,649
Crankcase heater mode	PCK	[kW]	0,649
Supplementary heater			
Nominal heating capacity	Psup	[kW]	48,6
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	89
Annual electricity consumption for heating	QHE	[kWh]	181887
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	33,67
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /SL-CA 2022			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	363
Seasonal space heating energy efficiency	ηs	[%]	135
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	321
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	195
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	146
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	169
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	321
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	311
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,80
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,25
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,28
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,02
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,80
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,65
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,149
Standby mode	PSB	[kW]	0,882
Crankcase heater mode	PCK	[kW]	0,882
Supplementary heater			
Nominal heating capacity	Psup	[kW]	52,1
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	90
Annual electricity consumption for heating	QHE	[kWh]	217998
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	35,07
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /SL-CA 2222			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	390
Seasonal space heating energy efficiency	ηs	[%]	139
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	345
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	210
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	156
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	178
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	345
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	330
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,82
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,39
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,42
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,13
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,82
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,63
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,370
Standby mode	PSB	[kW]	0,937
Crankcase heater mode	PCK	[kW]	0,937
Supplementary heater			
Nominal heating capacity	Psup	[kW]	60,3
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	92
Annual electricity consumption for heating	QHE	[kWh]	227262
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	46,62
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /SL-CA 2422			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	359
Seasonal space heating energy efficiency	ηs	[%]	140
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	318
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	193
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	158
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	181
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	359
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	359
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-10
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,81
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,42
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,45
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,15
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,70
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,70
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,546
Standby mode	PSB	[kW]	0,937
Crankcase heater mode	PCK	[kW]	0,937
Supplementary heater			
Nominal heating capacity	Psup	[kW]	0,00
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	0
Annual electricity consumption for heating	QHE	[kWh]	208054
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	42,44
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /SL-CA 2622			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at T_{designh}	Prated = P_{designh}	[kW]	400
Seasonal space heating energy efficiency	η_s	[%]	139
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared capacity for heating with outdoor temperature T _j = - 7 °C	P _{dh}	[kW]	354
Declared capacity for heating with outdoor temperature T _j = +2 °C	P _{dh}	[kW]	215
Declared capacity for heating with outdoor temperature T _j = +7 °C	P _{dh}	[kW]	194
Declared capacity for heating with outdoor temperature T _j = +12 °C	P _{dh}	[kW]	225
Declared capacity for heating with outdoor temperature T _j = Bivalent temperature	P _{dh}	[kW]	400
Declared capacity for heating with outdoor temperature T _j = Operation limit temperature	P _{dh}	[kW]	400
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	[kW]	-
Bivalent temperature	T _{biv}	[°C]	-10
Degradation coefficient	C _{dh}	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared coefficient of performance with outdoor temperature T _j = - 7 °C	COP _d	-	2,86
Declared coefficient of performance with outdoor temperature T _j = +2 °C	COP _d	-	3,39
Declared coefficient of performance with outdoor temperature T _j = +7 °C	COP _d	-	4,50
Declared coefficient of performance with outdoor temperature T _j = +12 °C	COP _d	-	5,21
Declared coefficient of performance with outdoor temperature T _j = Bivalent temperature	COP _d	-	2,76
Declared coefficient of performance with outdoor temperature T _j = Operation limit temperature	COP _d	-	2,76
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,144
Standby mode	PSB	[kW]	0,944
Crankcase heater mode	PCK	[kW]	0,944
Supplementary heater			
Nominal heating capacity	P _{sup}	[kW]	0,00
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	0
Annual electricity consumption for heating	QHE	[kWh]	232066
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Q _{airsource}	[m³/h]	42,44
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Q _{water/brine source}	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /XL-CA 2022			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	363
Seasonal space heating energy efficiency	ηs	[%]	144
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	321
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	195
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	146
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	169
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	321
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	311
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,92
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,48
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,59
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,38
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,92
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,76
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,149
Standby mode	PSB	[kW]	0,753
Crankcase heater mode	PCK	[kW]	0,753
Supplementary heater			
Nominal heating capacity	Psup	[kW]	52,1
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	86
Annual electricity consumption for heating	QHE	[kWh]	204567
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	35,07
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /XL-CA 2222			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	390
Seasonal space heating energy efficiency	ηs	[%]	150
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	345
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	210
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	156
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	178
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	345
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	330
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,95
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,67
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,82
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,58
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,95
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,75
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,370
Standby mode	PSB	[kW]	0,762
Crankcase heater mode	PCK	[kW]	0,762
Supplementary heater			
Nominal heating capacity	Psup	[kW]	60,3
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	88
Annual electricity consumption for heating	QHE	[kWh]	210908
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	46,62
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /XL-CA-E 1062			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	156
Seasonal space heating energy efficiency	ηs	[%]	146
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	138
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	84,0
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	66,7
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	76,6
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	138
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	130
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,84
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,65
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,69
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,38
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,84
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,63
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,737
Standby mode	PSB	[kW]	0,508
Crankcase heater mode	PCK	[kW]	0,508
Supplementary heater			
Nominal heating capacity	Psup	[kW]	26,0
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	86
Annual electricity consumption for heating	QHE	[kWh]	86290
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	20,20
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /XL-CA-E 1162			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	188
Seasonal space heating energy efficiency	ηs	[%]	134
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	166
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	101
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	85,7
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	98,6
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	166
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	154
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,84
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,21
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,35
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,20
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,84
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,61
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,172
Standby mode	PSB	[kW]	0,514
Crankcase heater mode	PCK	[kW]	0,514
Supplementary heater			
Nominal heating capacity	Psup	[kW]	33,9
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	87
Annual electricity consumption for heating	QHE	[kWh]	113207
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	26,94
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /XL-CA-E 1362			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	221
Seasonal space heating energy efficiency	ηs	[%]	141
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	195
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	119
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	95,8
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	110
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	195
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	184
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,85
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,44
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,57
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,34
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,85
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,63
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,066
Standby mode	PSB	[kW]	0,514
Crankcase heater mode	PCK	[kW]	0,514
Supplementary heater			
Nominal heating capacity	Psup	[kW]	36,7
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	87
Annual electricity consumption for heating	QHE	[kWh]	126654
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	26,94
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /XL-CA-E 1562			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	242
Seasonal space heating energy efficiency	ηs	[%]	149
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	214
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	130
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	103
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	118
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	214
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	201
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,90
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,73
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,78
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,50
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,90
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,68
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,355
Standby mode	PSB	[kW]	0,514
Crankcase heater mode	PCK	[kW]	0,514
Supplementary heater			
Nominal heating capacity	Psup	[kW]	40,3
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	88
Annual electricity consumption for heating	QHE	[kWh]	131113
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	28,63
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /XL-CA-E 1762			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	283
Seasonal space heating energy efficiency	ηs	[%]	139
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	250
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	152
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	124
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	143
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	250
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	236
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,82
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,41
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,51
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,27
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,82
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,61
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,462
Standby mode	PSB	[kW]	0,520
Crankcase heater mode	PCK	[kW]	0,520
Supplementary heater			
Nominal heating capacity	Psup	[kW]	46,9
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	88
Annual electricity consumption for heating	QHE	[kWh]	164000
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	33,67
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /XL-CA-E 2022			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at Tdesignh	Prated = Pdesignh	[kW]	367
Seasonal space heating energy efficiency	ηs	[%]	147
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared capacity for heating with outdoor temperature Tj = - 7 °C	Pdh	[kW]	324
Declared capacity for heating with outdoor temperature Tj = +2 °C	Pdh	[kW]	197
Declared capacity for heating with outdoor temperature Tj = +7 °C	Pdh	[kW]	154
Declared capacity for heating with outdoor temperature Tj = +12 °C	Pdh	[kW]	177
Declared capacity for heating with outdoor temperature Tj = Bivalent temperature	Pdh	[kW]	324
Declared capacity for heating with outdoor temperature Tj = Operation limit temperature	Pdh	[kW]	306
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	[kW]	-
Bivalent temperature	Tbiv	[°C]	-7
Degradation coefficient	Cdh	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Declared coefficient of performance with outdoor temperature Tj = - 7 °C	COPd	-	2,91
Declared coefficient of performance with outdoor temperature Tj = +2 °C	COPd	-	3,59
Declared coefficient of performance with outdoor temperature Tj = +7 °C	COPd	-	4,74
Declared coefficient of performance with outdoor temperature Tj = +12 °C	COPd	-	5,55
Declared coefficient of performance with outdoor temperature Tj = Bivalent temperature	COPd	-	2,91
Declared coefficient of performance with outdoor temperature Tj = Operation limit temperature	COPd	-	2,70
For air-to-water heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,333
Standby mode	PSB	[kW]	0,759
Crankcase heater mode	PCK	[kW]	0,759
Supplementary heater			
Nominal heating capacity	Psup	[kW]	60,5
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	87
Annual electricity consumption for heating	QHE	[kWh]	201921
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Qairsource	[m³/h]	48,02
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Qwater/brine source	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.

ERACS2-Q-G05 /XL-CA-E 2222			
Air-to-water heat pump:	yes / no		yes
Water-to-water heat pump:	yes / no		no
Brine-to-water heat pump:	yes / no		no
Low-temperature heat pump:	yes / no		yes
With supplementary heater:	yes / no		no
Mixed unit with heat pump:	yes / no		no
Temperature application (1)	(low 35°C/ medium 55°C)		low 35°C
Water flow rate	fixed / variable		fixed
Outlet temperature	fixed / variable		variable
Parameters are declared for average/warmer/colder climate conditions (1)	average / warmer / colder		average
Rated heat output at T_{designh}	Prated = P_{designh}	[kW]	374
Seasonal space heating energy efficiency	η_s	[%]	148
Seasonal space heating energy efficiency class	-	-	-
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared capacity for heating with outdoor temperature T _j = - 7 °C	P _{dh}	[kW]	331
Declared capacity for heating with outdoor temperature T _j = +2 °C	P _{dh}	[kW]	202
Declared capacity for heating with outdoor temperature T _j = +7 °C	P _{dh}	[kW]	160
Declared capacity for heating with outdoor temperature T _j = +12 °C	P _{dh}	[kW]	189
Declared capacity for heating with outdoor temperature T _j = Bivalent temperature	P _{dh}	[kW]	331
Declared capacity for heating with outdoor temperature T _j = Operation limit temperature	P _{dh}	[kW]	306
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	[kW]	-
Bivalent temperature	T _{biv}	[°C]	-7
Degradation coefficient	C _{dh}	-	0,90
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
Declared coefficient of performance with outdoor temperature T _j = - 7 °C	COP _d	-	2,81
Declared coefficient of performance with outdoor temperature T _j = +2 °C	COP _d	-	3,66
Declared coefficient of performance with outdoor temperature T _j = +7 °C	COP _d	-	4,85
Declared coefficient of performance with outdoor temperature T _j = +12 °C	COP _d	-	5,81
Declared coefficient of performance with outdoor temperature T _j = Bivalent temperature	COP _d	-	2,81
Declared coefficient of performance with outdoor temperature T _j = Operation limit temperature	COP _d	-	2,55
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	COP _d	-	-
For air-to-water HP : Operation limit temperature	TOL	[°C]	-10
Heating water operating limit temperature at TOL	WTOL	[°C]	50
Power consumption in modes other than active mode			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,492
Standby mode	PSB	[kW]	0,768
Crankcase heater mode	PCK	[kW]	0,768
Supplementary heater			
Nominal heating capacity	P _{sup}	[kW]	68,0
Other items			
Capacity control	fixed / variable		variable
Sound power level, indoors	LWA	[dB(A)]	-
Sound power level, outdoors	LWA	[dB(A)]	89
Annual electricity consumption for heating	QHE	[kWh]	204501
Outdoor heat exchanger			
For air-to-water HP: Rated air flow rate, outdoors	Q _{airsource}	[m³/h]	60,10
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	Q _{water/brine source}	[m³/h]	-

(1) The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.

Unit in standard configuration/execution, without optional accessories.



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



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