

ECODESIGN INFORMATION DATASHEET FOR LOW TEMPERATURE SPACE HEATER
Information requirements of regulation: (EU) 813/2013

Model	SAC1-11CH-1IP4E
Air-to-Water heat pump	Yes
Water-to-Water heat pump	No
Brine-to-Water heat pump	No
Low-temperature heat pump	Yes
Equipped with supplementary heater	No
Heat pump combination heater	No

Parameters declared for average climate conditions in accordance with EN 14511:2018 and EN 14825:2018

Rated heat output(*)	Prated	kW	11
Seasonal Space Heating Energy Efficiency	$\eta_{s,h}$	%	163

Declared capacity (Pdh) and coefficient of performance (COPd) for heating for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = -7 °C	Pdh	kW	9,3
	COPd		3,46
Tj = 2 °C	Pdh	kW	11,3
	COPd		4,65
Tj = 7 °C	Pdh	kW	12,7
	COPd		5,70
Tj = 12 °C	Pdh	kW	14,2
	COPd		7,18
Tj = Operation limit temperature - air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	Pdh	kW	7,7
	COPd		2,82
Tj = Bivalent temperature	Pdh	kW	9,5
	COPd		3,54
Bivalent temperature	Tbiv	°C	-6
Operation limit temperature	TOL		-25
Cycling interval	Pcych	kW	-
	COPcyc		-
Degradation co-efficient	Cdh		0,9
Heating water operating limit temperature	WTOL	°C	55

Power consumption in modes other than active mode

Off mode	P _{OFF}		0,00
Thermostat off-mode	P _{TO}		0,05
Standby mode	P _{SB}		0,05
Crankcase heater mode	P _{CK}		0,00

Supplementary heater

Rated heat output	P _{sup}	kW	2,5
Type of energy input			Electrical

Other items

Capacity control			Fixed
Sound power level, indoors/ outdoors	L _{WA}	dB	-/64,6
Emissions of nitrogen oxides	NO _x	mg/kWh	0
Rated air flow rate, outdoors	-	m ³ /h	7 092
Rated brine or water flow rate, outdoor heat exchanger	-	m ³ /h	0

*For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

Contact details

ALPENTA s.r.o., Piletická 486, Hradec Králové, Česká republika, www.alpenta.com

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Additional Information requirements of regulation: (EU) 811/2013

Supplier's model identifier	SAC1-11CH-1IP4E
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Average climate conditions			
Seasonal space heating energy efficiency class	A++		
Rated heat output, including any supplementary heater	kW		11
Seasonal space heating energy efficiency	%		163
Annual energy consumption	kWh		5 591

Colder climate conditions			
Rated heat output, including any supplementary heater	kW		9
Seasonal space heating energy efficiency	%		142
Annual energy consumption	kWh		6 327

Warmer climate conditions			
Rated heat output, including any supplementary heater	kW		11
Seasonal space heating energy efficiency	%		191
Annual energy consumption	kWh		3 102

Any specific precautions that shall be taken when the space heater is assembled, installed or maintained	Follow Installation and operating instruction delivered with the unit.
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Contact details
ALPENTA s.r.o., Piletická 486, Hradec Králové, Česká republika, www.alpenta.com



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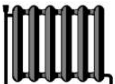
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SAC1-11CH-1IP4E



35 °C

A+++

A++

A+


A

B


C

D

A++



dB




65 dB

11 kW

9 kW

11 kW



2019

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ECODESIGN INFORMATION DATASHEET FOR LOW TEMPERATURE SPACE HEATER


Information requirements of regulation: (EU) 813/2013

Model	SAC2-16CH-2IP4E
Air-to-Water heat pump	Yes
Water-to-Water heat pump	No
Brine-to-Water heat pump	No
Low-temperature heat pump	Yes
Equipped with supplementary heater	No
Heat pump combination heater	No

Parameters declared for average climate conditions in accordance with EN 14511:2018 and EN 14825:2018			
Rated heat output(*)	Prated	kW	16
Seasonal Space Heating Energy Efficiency	$\eta_{s,h}$	%	154

Declared capacity (Pdh) and coefficient of performance (COPd) for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	kW	13,4
	COPd		3,37
Tj = 2 °C	Pdh	kW	16,0
	COPd		4,37
Tj = 7 °C	Pdh	kW	9,3
	COPd		4,96
Tj = 12 °C	Pdh	kW	10,7
	COPd		4,40
Tj = Operation limit temperature - air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	Pdh	kW	11,2
	COPd		2,81
Tj = Bivalent temperature	Pdh	kW	13,7
	COPd		3,44
Bivalent temperature	Tbiv	°C	-6
Operation limit temperature	TOL		-25
Cycling interval	Pcych	kW	-
	COPcyc		-
Degradation co-efficient	Cdh		0,9
Heating water operating limit temperature	WTOL	°C	55

Power consumption in modes other than active mode			
Off mode	P _{OFF}		0,00
Thermostat off-mode	P _{TO}		0,09
Standby mode	P _{SB}		0,09
Crankcase heater mode	P _{CK}		0,00

Supplementary heater			
Rated heat output	P _{sup}	kW	3,6
Type of energy input			Electrical

Other items			
Capacity control			Fixed
Sound power level, indoors/ outdoors	L _{WA}	dB	-/65,0
Emissions of nitrogen oxides	NO _x	mg/kWh	0
Rated air flow rate, outdoors	-	m ³ /h	7 897
Rated brine or water flow rate, outdoor heat exchanger	-	m ³ /h	0

*For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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Supplier's model identifier	SAC2-16CH-2IP4E
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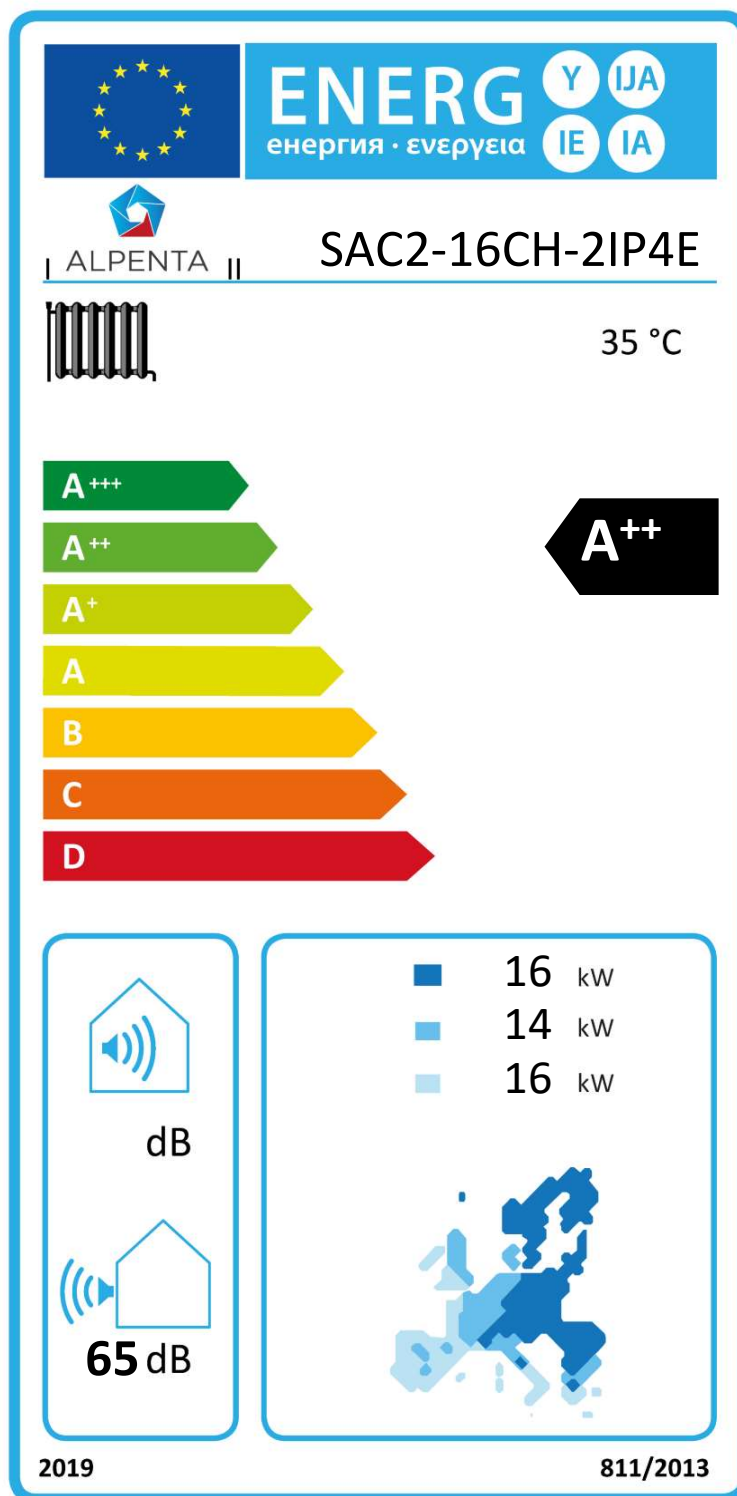
Average climate conditions			
Seasonal space heating energy efficiency class	A++		
Rated heat output, including any supplementary heater	kW		16
Seasonal space heating energy efficiency	%		154
Annual energy consumption	kWh		8 497

Colder climate conditions			
Rated heat output, including any supplementary heater	kW		14
Seasonal space heating energy efficiency	%		142
Annual energy consumption	kWh		9 213

Warmer climate conditions			
Rated heat output, including any supplementary heater	kW		16
Seasonal space heating energy efficiency	%		182
Annual energy consumption	kWh		4 626

Any specific precautions that shall be taken when the space heater is assembled, installed or maintained	Follow Installation and operating instruction delivered with the unit.
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ECODESIGN INFORMATION DATASHEET FOR LOW TEMPERATURE SPACE HEATER


Information requirements of regulation: (EU) 813/2013

Model	SAC3-22CH-2IP3E
Air-to-Water heat pump	Yes
Water-to-Water heat pump	No
Brine-to-Water heat pump	No
Low-temperature heat pump	Yes
Equipped with supplementary heater	No
Heat pump combination heater	No

Parameters declared for average climate conditions in accordance with EN 14511:2018 and EN 14825:2018

Rated heat output(*)	Prated	kW	22
Seasonal Space Heating Energy Efficiency	$\eta_{s,h}$	%	157

Declared capacity (Pdh) and coefficient of performance (COPd) for heating for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = -7 °C	Pdh	kW	18,4
	COPd		3,37
Tj = 2 °C	Pdh	kW	22,4
	COPd		4,52
Tj = 7 °C	Pdh	kW	13,1
	COPd		5,02
Tj = 12 °C	Pdh	kW	14,6
	COPd		4,36
Tj = Operation limit temperature - air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	Pdh	kW	15,3
	COPd		2,76
Tj = Bivalent temperature	Pdh	kW	18,9
	COPd		3,45
Bivalent temperature	Tbiv	°C	-6
Operation limit temperature	TOL		-25
Cycling interval	Pcych	kW	-
	COPcyc		-
Degradation co-efficient	Cdh		0,9
Heating water operating limit temperature	WTOL	°C	55

Power consumption in modes other than active mode

Off mode	P _{OFF}		0,00
Thermostat off-mode	P _{TO}		0,09
Standby mode	P _{SB}		0,09
Crankcase heater mode	P _{CK}		0,00

Supplementary heater

Rated heat output	P _{sup}	kW	5,1
Type of energy input			Electrical

Other items

Capacity control			Fixed
Sound power level, indoors/ outdoors	L _{WA}	dB	-/78,0
Emissions of nitrogen oxides	NO _x	mg/kWh	0
Rated air flow rate, outdoors	-	m ³ /h	13 271
Rated brine or water flow rate, outdoor heat exchanger	-	m ³ /h	0

*For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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Additional Information requirements of regulation: (EU) 811/2013

Supplier's model identifier	SAC3-22CH-2IP3E
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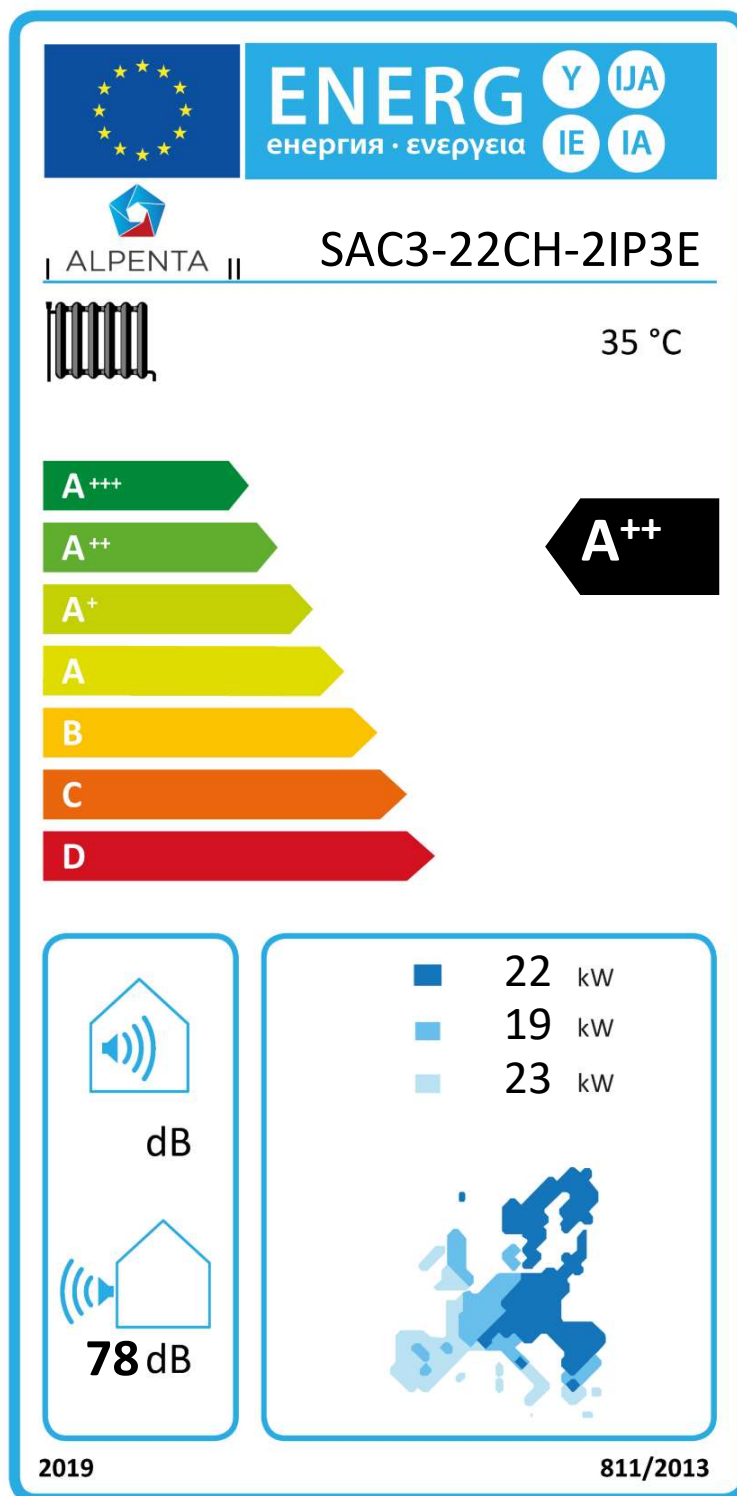
Average climate conditions			
Seasonal space heating energy efficiency class	A++		
Rated heat output, including any supplementary heater	kW	22	
Seasonal space heating energy efficiency	%	157	
Annual energy consumption	kWh	11 545	

Colder climate conditions			
Rated heat output, including any supplementary heater	kW	19	
Seasonal space heating energy efficiency	%	140	
Annual energy consumption	kWh	12 740	

Warmer climate conditions			
Rated heat output, including any supplementary heater	kW	23	
Seasonal space heating energy efficiency	%	191	
Annual energy consumption	kWh	6 122	

Any specific precautions that shall be taken when the space heater is assembled, installed or maintained	Follow Installation and operating instruction delivered with the unit.
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ECODESIGN INFORMATION DATASHEET FOR LOW TEMPERATURE SPACE HEATER


Information requirements of regulation: (EU) 813/2013

Model	SAC3-28CH-2IP4E
Air-to-Water heat pump	Yes
Water-to-Water heat pump	No
Brine-to-Water heat pump	No
Low-temperature heat pump	Yes
Equipped with supplementary heater	No
Heat pump combination heater	No

Parameters declared for average climate conditions in accordance with EN 14511:2018 and EN 14825:2018

Rated heat output(*)	Prated	kW	28
Seasonal Space Heating Energy Efficiency	$\eta_{s,h}$	%	161

Declared capacity (Pdh) and coefficient of performance (COPd) for heating for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = -7 °C	Pdh	kW	23,4
	COPd		3,44
Tj = 2 °C	Pdh	kW	28,4
	COPd		4,60
Tj = 7 °C	Pdh	kW	16,8
	COPd		5,23
Tj = 12 °C	Pdh	kW	18,8
	COPd		4,59
Tj = Operation limit temperature - air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	Pdh	kW	19,5
	COPd		2,84
Tj = Bivalent temperature	Pdh	kW	23,9
	COPd		3,58
Bivalent temperature	Tbiv	°C	-6
Operation limit temperature	TOL		-25
Cycling interval	Pcych	kW	-
	COPcyc		-
Degradation co-efficient	Cdh		0,9
Heating water operating limit temperature	WTOL	°C	55

Power consumption in modes other than active mode

Off mode	P _{OFF}		0,00
Thermostat off-mode	P _{TO}		0,09
Standby mode	P _{SB}		0,09
Crankcase heater mode	P _{CK}		0,00

Supplementary heater

Rated heat output	P _{sup}	kW	6,2
Type of energy input			Electrical

Other items

Capacity control			Fixed
Sound power level, indoors/ outdoors	L _{WA}	dB	-/77,9
Emissions of nitrogen oxides	NO _x	mg/kWh	0
Rated air flow rate, outdoors	-	m ³ /h	13 063
Rated brine or water flow rate, outdoor heat exchanger	-	m ³ /h	0

*For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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Additional Information requirements of regulation: (EU) 811/2013

Supplier's model identifier	SAC3-28CH-2IP4E
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Average climate conditions			
Seasonal space heating energy efficiency class	A++		
Rated heat output, including any supplementary heater	kW	28	
Seasonal space heating energy efficiency	%	161	
Annual energy consumption	kWh	14 182	

Colder climate conditions			
Rated heat output, including any supplementary heater	kW	24	
Seasonal space heating energy efficiency	%	142	
Annual energy consumption	kWh	16 061	

Warmer climate conditions			
Rated heat output, including any supplementary heater	kW	29	
Seasonal space heating energy efficiency	%	196	
Annual energy consumption	kWh	7 611	

Any specific precautions that shall be taken when the space heater is assembled, installed or maintained	Follow Installation and operating instruction delivered with the unit.
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ALPENTA s.r.o., Piletická 486, Hradec Králové, Česká republika, www.alpenta.com




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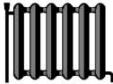
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SAC3-28CH-2IP4E




35 °C





dB




78 dB

28 kW

24 kW

29 kW



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ECODESIGN INFORMATION DATASHEET FOR LOW TEMPERATURE SPACE HEATER


Information requirements of regulation: (EU) 813/2013

Model	SAC4-37CH-2IP3E
Air-to-Water heat pump	Yes
Water-to-Water heat pump	No
Brine-to-Water heat pump	No
Low-temperature heat pump	Yes
Equipped with supplementary heater	No
Heat pump combination heater	No

Parameters declared for average climate conditions in accordance with EN 14511:2018 and EN 14825:2018

Rated heat output(*)	Prated	kW	38
Seasonal Space Heating Energy Efficiency	$\eta_{s,h}$	%	143

Declared capacity (Pdh) and coefficient of performance (COPd) for heating for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = -7 °C	Pdh	kW	31,6
	COPd		3,17
Tj = 2 °C	Pdh	kW	38,2
	COPd		4,15
Tj = 7 °C	Pdh	kW	22,4
	COPd		4,35
Tj = 12 °C	Pdh	kW	25,2
	COPd		3,99
Tj = Operation limit temperature - air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	Pdh	kW	26,3
	COPd		2,60
Tj = Bivalent temperature	Pdh	kW	32,3
	COPd		3,30
Bivalent temperature	Tbiv	°C	-6
Operation limit temperature	TOL		-25
Cycling interval	Pcych	kW	-
	COPcyc		-
Degradation co-efficient	Cdh		0,9
Heating water operating limit temperature	WTOL	°C	55

Power consumption in modes other than active mode

Off mode	P _{OFF}		0,00
Thermostat off-mode	P _{TO}		0,15
Standby mode	P _{SB}		0,15
Crankcase heater mode	P _{CK}		0,00

Supplementary heater

Rated heat output	P _{sup}	kW	8,6
Type of energy input			Electrical

Other items

Capacity control			Fixed
Sound power level, indoors/ outdoors	L _{WA}	dB	-/81,0
Emissions of nitrogen oxides	NO _x	mg/kWh	0
Rated air flow rate, outdoors	-	m ³ /h	25 319
Rated brine or water flow rate, outdoor heat exchanger	-	m ³ /h	0

*For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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Additional Information requirements of regulation: (EU) 811/2013

Supplier's model identifier	SAC4-37CH-2IP3E
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Average climate conditions

Seasonal space heating energy efficiency class	A+		
Rated heat output, including any supplementary heater	kW		38
Seasonal space heating energy efficiency	%		143
Annual energy consumption	kWh		21 633

Colder climate conditions

Rated heat output, including any supplementary heater	kW		32
Seasonal space heating energy efficiency	%		127
Annual energy consumption	kWh		24 267

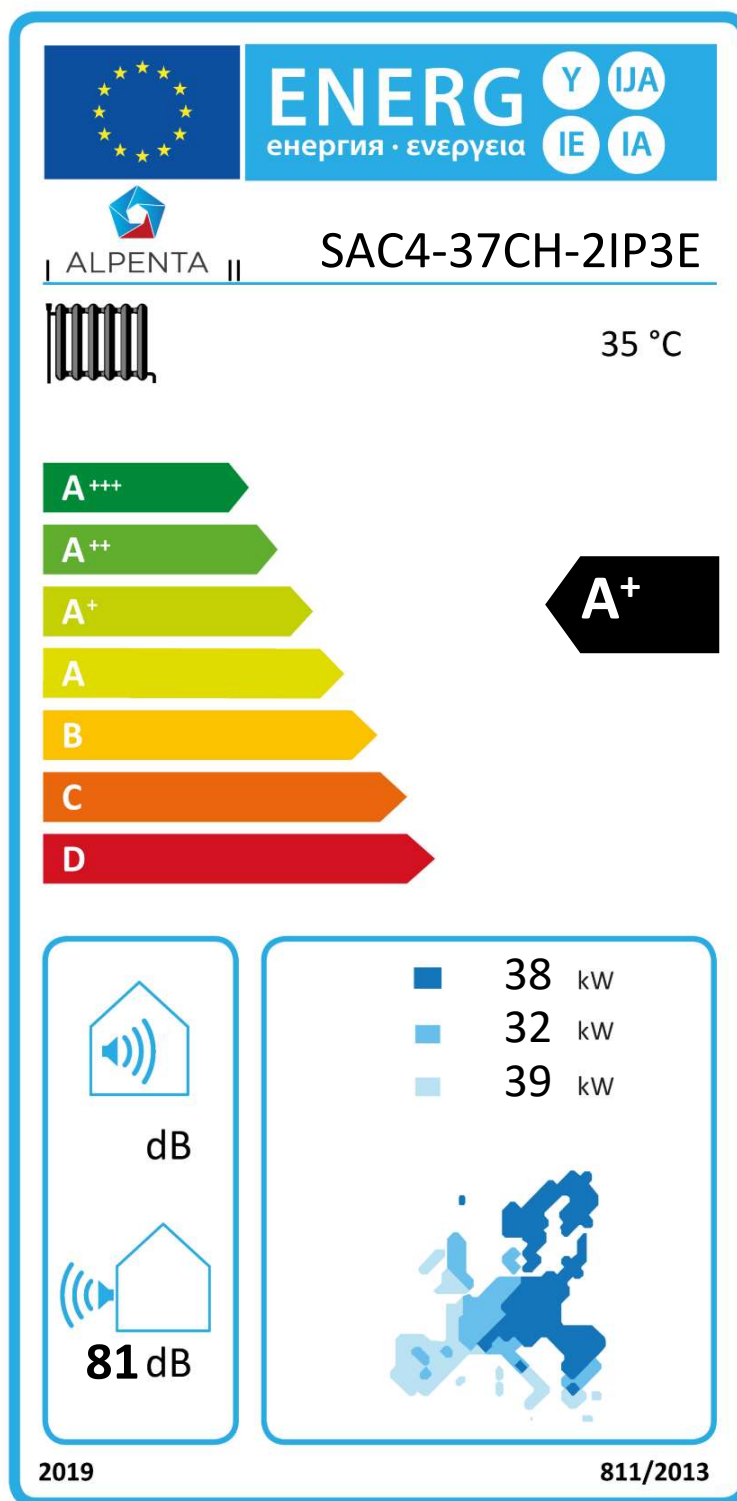
Warmer climate conditions

Rated heat output, including any supplementary heater	kW		39
Seasonal space heating energy efficiency	%		167
Annual energy consumption	kWh		12 007

Any specific precautions that shall be taken when the space heater is assembled, installed or maintained	Follow Installation and operating instruction delivered with the unit.
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ECODESIGN INFORMATION DATASHEET FOR LOW TEMPERATURE SPACE HEATER


Information requirements of regulation: (EU) 813/2013

Model	SAC4-47CH-2IP4E
Air-to-Water heat pump	Yes
Water-to-Water heat pump	No
Brine-to-Water heat pump	No
Low-temperature heat pump	Yes
Equipped with supplementary heater	No
Heat pump combination heater	No

Parameters declared for average climate conditions in accordance with EN 14511:2018 and EN 14825:2018

Rated heat output(*)	Prated	kW	47
Seasonal Space Heating Energy Efficiency	$\eta_{s,h}$	%	141

Declared capacity (Pdh) and coefficient of performance (COPd) for heating for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = -7 °C	Pdh	kW	39,0
	COPd		3,22
Tj = 2 °C	Pdh	kW	47,4
	COPd		4,09
Tj = 7 °C	Pdh	kW	27,7
	COPd		4,30
Tj = 12 °C	Pdh	kW	31,4
	COPd		3,97
Tj = Operation limit temperature - air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	Pdh	kW	32,3
	COPd		2,70
Tj = Bivalent temperature	Pdh	kW	39,8
	COPd		3,33
Bivalent temperature	Tbiv	°C	-6
Operation limit temperature	TOL		-25
Cycling interval	Pcych	kW	-
	COPcyc		-
Degradation co-efficient	Cdh		0,9
Heating water operating limit temperature	WTOL	°C	55

Power consumption in modes other than active mode

Off mode	P _{OFF}		0,00
Thermostat off-mode	P _{TO}		0,15
Standby mode	P _{SB}		0,15
Crankcase heater mode	P _{CK}		0,00

Supplementary heater

Rated heat output	P _{sup}	kW	10,5
Type of energy input			Electrical

Other items

Capacity control			Fixed
Sound power level, indoors/ outdoors	L _{WA}	dB	-/80,4
Emissions of nitrogen oxides	NO _x	mg/kWh	0
Rated air flow rate, outdoors	-	m ³ /h	24 617
Rated brine or water flow rate, outdoor heat exchanger	-	m ³ /h	0

*For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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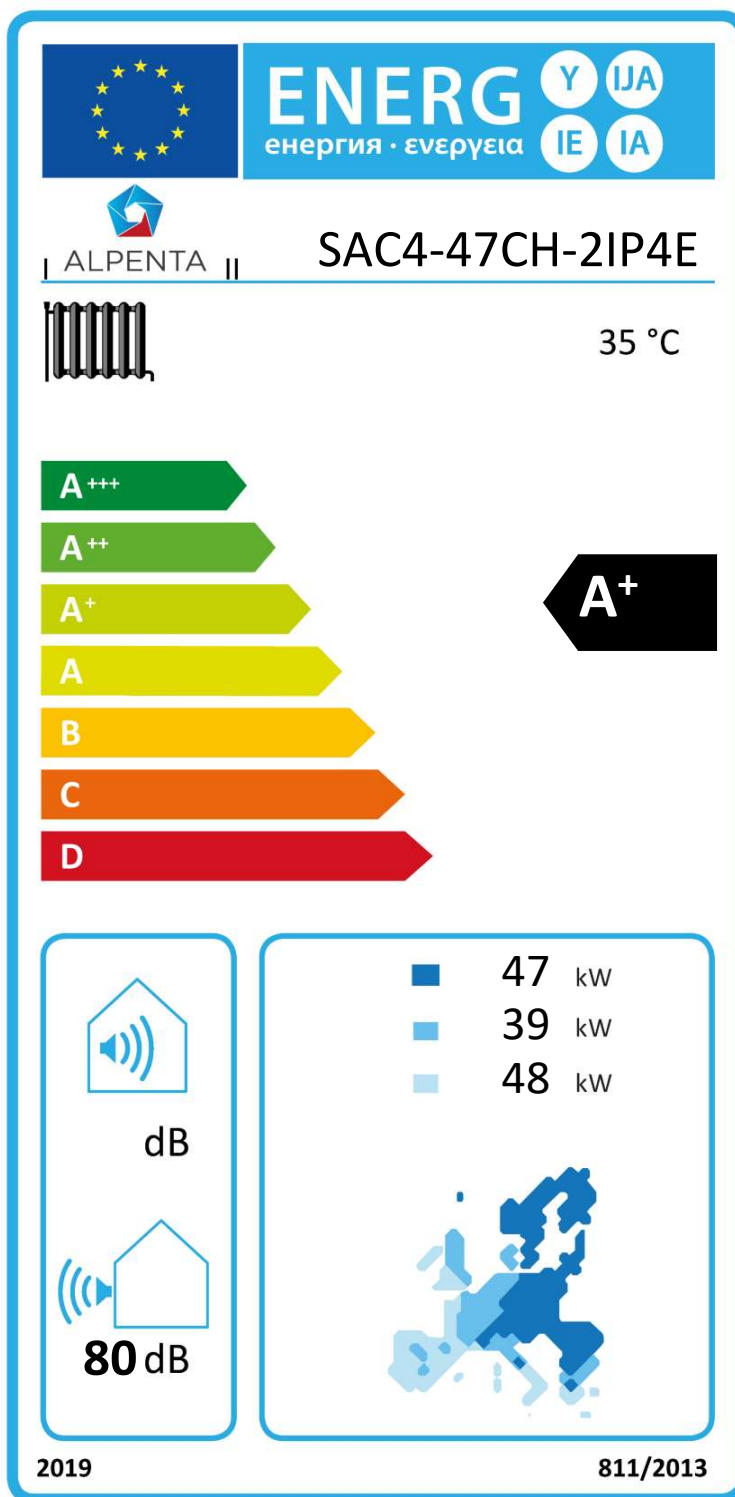
Average climate conditions			
Seasonal space heating energy efficiency class	A+		
Rated heat output, including any supplementary heater	kW	47	
Seasonal space heating energy efficiency	%	141	
Annual energy consumption	kWh	26 893	

Colder climate conditions			
Rated heat output, including any supplementary heater	kW	39	
Seasonal space heating energy efficiency	%	126	
Annual energy consumption	kWh	29 934	

Warmer climate conditions			
Rated heat output, including any supplementary heater	kW	48	
Seasonal space heating energy efficiency	%	164	
Annual energy consumption	kWh	15 174	

Any specific precautions that shall be taken when the space heater is assembled, installed or maintained	Follow Installation and operating instruction delivered with the unit.
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ECODESIGN INFORMATION DATASHEET FOR LOW TEMPERATURE SPACE HEATER
Information requirements of regulation: (EU) 813/2013

Model	SAC5-54CH-2IP3E
Air-to-Water heat pump	Yes
Water-to-Water heat pump	No
Brine-to-Water heat pump	No
Low-temperature heat pump	Yes
Equipped with supplementary heater	No
Heat pump combination heater	No

Parameters declared for average climate conditions in accordance with EN 14511:2018 and EN 14825:2018

Rated heat output(*)	Prated	kW	55
Seasonal Space Heating Energy Efficiency	$\eta_{s,h}$	%	141

Declared capacity (Pdh) and coefficient of performance (COPd) for heating for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = -7 °C	Pdh	kW	45,4
	COPd		3,04
Tj = 2 °C	Pdh	kW	55,6
	COPd		4,05
Tj = 7 °C	Pdh	kW	32,0
	COPd		4,08
Tj = 12 °C	Pdh	kW	36,5
	COPd		5,07
Tj = Operation limit temperature - air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	Pdh	kW	37,0
	COPd		2,44
Tj = Bivalent temperature	Pdh	kW	46,4
	COPd		3,17
Bivalent temperature	Tbiv	°C	-6
Operation limit temperature	TOL		-25
Cycling interval	Pcych	kW	-
	COPcyc		-
Degradation co-efficient	Cdh		0,9
Heating water operating limit temperature	WTOL	°C	55

Power consumption in modes other than active mode

Off mode	P _{OFF}		0,00
Thermostat off-mode	P _{TO}		0,15
Standby mode	P _{SB}		0,15
Crankcase heater mode	P _{CK}		0,00

Supplementary heater

Rated heat output	P _{sup}	kW	12,6
Type of energy input			Electrical

Other items

Capacity control			Fixed
Sound power level, indoors/ outdoors	L _{WA}	dB	-/80,4
Emissions of nitrogen oxides	NO _x	mg/kWh	0
Rated air flow rate, outdoors	-	m ³ /h	25 782
Rated brine or water flow rate, outdoor heat exchanger	-	m ³ /h	0

*For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

Contact details

ALPENTA s.r.o., Piletická 486, Hradec Králové, Česká republika, www.alpenta.com

ECODESIGN INFORMATION DATASHEET FOR LOW TEMPERATURE SPACE HEATER
Additional Information requirements of regulation: (EU) 811/2013

Supplier's model identifier	SAC5-54CH-2IP3E
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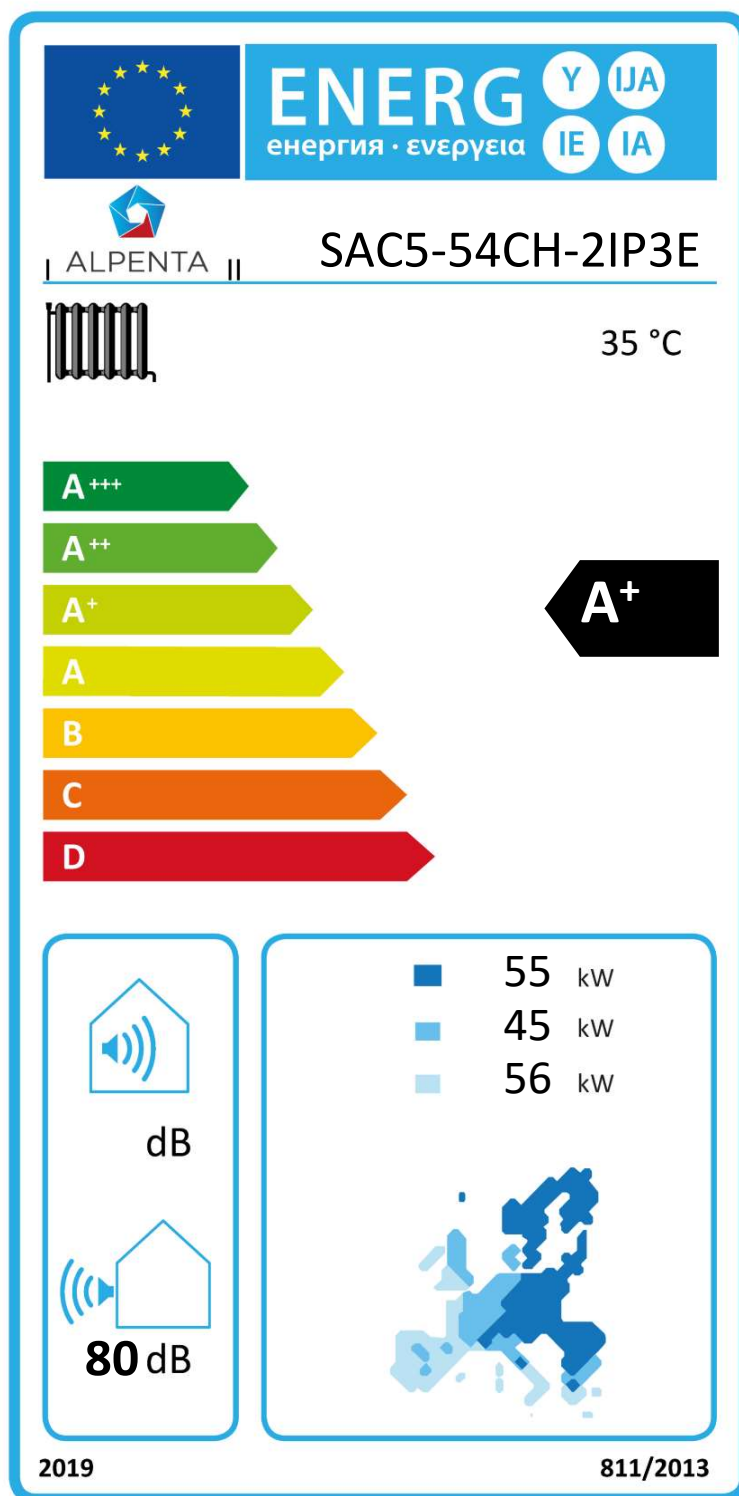
Average climate conditions			
Seasonal space heating energy efficiency class	A+		
Rated heat output, including any supplementary heater	kW	55	
Seasonal space heating energy efficiency	%	141	
Annual energy consumption	kWh	31 501	

Colder climate conditions			
Rated heat output, including any supplementary heater	kW	45	
Seasonal space heating energy efficiency	%	121	
Annual energy consumption	kWh	35 902	

Warmer climate conditions			
Rated heat output, including any supplementary heater	kW	56	
Seasonal space heating energy efficiency	%	164	
Annual energy consumption	kWh	17 694	

Any specific precautions that shall be taken when the space heater is assembled, installed or maintained	Follow Installation and operating instruction delivered with the unit.
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ECODESIGN INFORMATION DATASHEET FOR LOW TEMPERATURE SPACE HEATER


Information requirements of regulation: (EU) 813/2013

Model	SAC5-64CH-2IP4E
Air-to-Water heat pump	Yes
Water-to-Water heat pump	No
Brine-to-Water heat pump	No
Low-temperature heat pump	Yes
Equipped with supplementary heater	No
Heat pump combination heater	No

Parameters declared for average climate conditions in accordance with EN 14511:2018 and EN 14825:2018

Rated heat output(*)	Prated	kW	65
Seasonal Space Heating Energy Efficiency	$\eta_{s,h}$	%	142

Declared capacity (Pdh) and coefficient of performance (COPd) for heating for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = -7 °C	Pdh	kW	53,8
	COPd		3,10
Tj = 2 °C	Pdh	kW	65,0
	COPd		4,12
Tj = 7 °C	Pdh	kW	37,4
	COPd		4,14
Tj = 12 °C	Pdh	kW	41,8
	COPd		4,79
Tj = Operation limit temperature - air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	Pdh	kW	44,2
	COPd		2,49
Tj = Bivalent temperature	Pdh	kW	54,8
	COPd		3,22
Bivalent temperature	Tbiv	°C	-6
Operation limit temperature	TOL		-25
Cycling interval	Pcych	kW	-
	COPcyc		-
Degradation co-efficient	Cdh		0,9
Heating water operating limit temperature	WTOL	°C	55

Power consumption in modes other than active mode

Off mode	P _{OFF}		0,00
Thermostat off-mode	P _{TO}		0,15
Standby mode	P _{SB}		0,15
Crankcase heater mode	P _{CK}		0,00

Supplementary heater

Rated heat output	P _{sup}	kW	14,6
Type of energy input			Electrical

Other items

Capacity control			Fixed
Sound power level, indoors/ outdoors	L _{WA}	dB	-/80,2
Emissions of nitrogen oxides	NO _x	mg/kWh	0
Rated air flow rate, outdoors	-	m ³ /h	25 573
Rated brine or water flow rate, outdoor heat exchanger	-	m ³ /h	0

*For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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Additional Information requirements of regulation: (EU) 811/2013

Supplier's model identifier	SAC5-64CH-2IP4E
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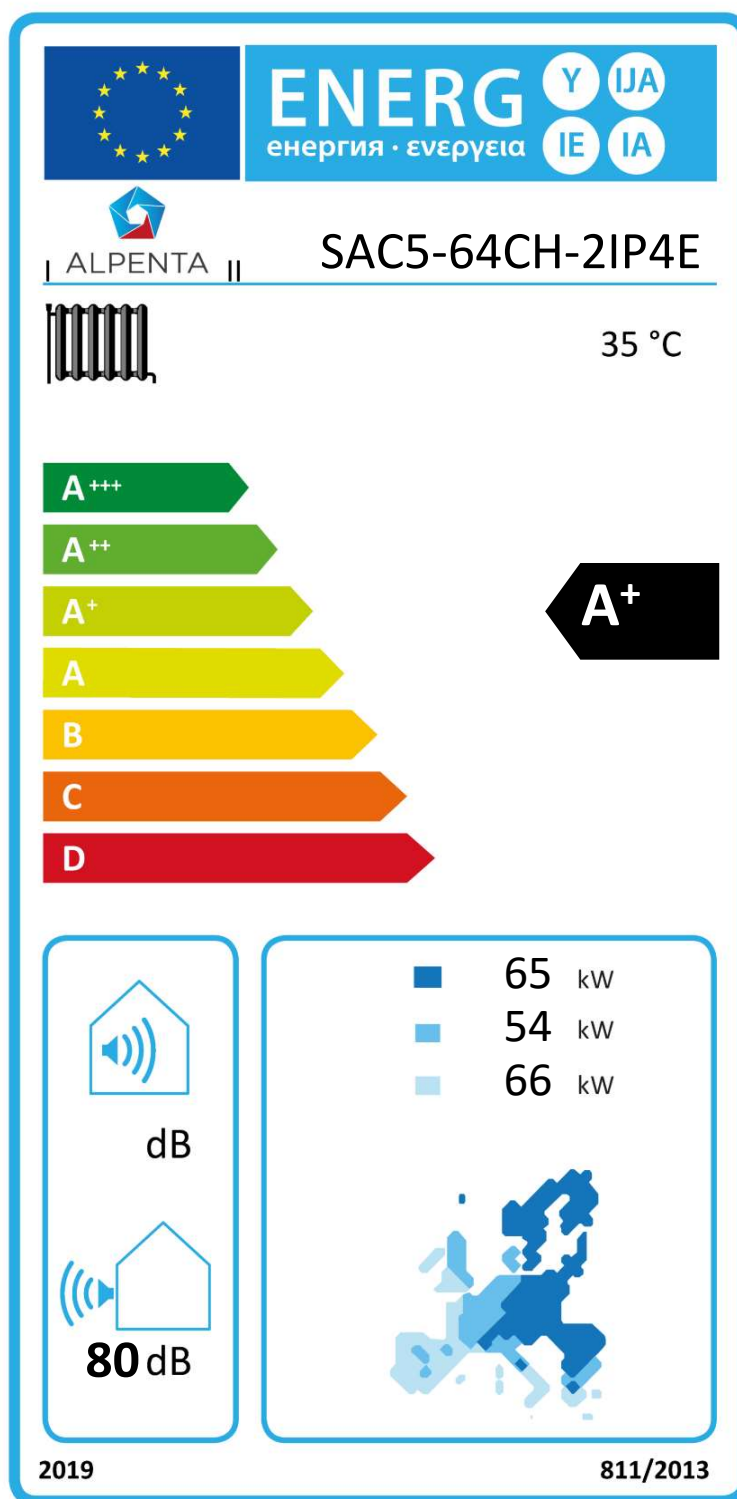
Average climate conditions			
Seasonal space heating energy efficiency class	A+		
Rated heat output, including any supplementary heater	kW	65	
Seasonal space heating energy efficiency	%	142	
Annual energy consumption	kWh	36 770	

Colder climate conditions			
Rated heat output, including any supplementary heater	kW	54	
Seasonal space heating energy efficiency	%	124	
Annual energy consumption	kWh	41 783	

Warmer climate conditions			
Rated heat output, including any supplementary heater	kW	66	
Seasonal space heating energy efficiency	%	163	
Annual energy consumption	kWh	21 055	

Any specific precautions that shall be taken when the space heater is assembled, installed or maintained	Follow Installation and operating instruction delivered with the unit.
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ECODESIGN INFORMATION DATASHEET FOR LOW TEMPERATURE SPACE HEATER


Information requirements of regulation: (EU) 813/2013

Model	SAC5-71CH-2IP4E
Air-to-Water heat pump	Yes
Water-to-Water heat pump	No
Brine-to-Water heat pump	No
Low-temperature heat pump	Yes
Equipped with supplementary heater	No
Heat pump combination heater	No

Parameters declared for average climate conditions in accordance with EN 14511:2018 and EN 14825:2018

Rated heat output(*)	Prated	kW	70
Seasonal Space Heating Energy Efficiency	$\eta_{s,h}$	%	154

Declared capacity (Pdh) and coefficient of performance (COPd) for heating for part load at indoor temperature 20 °C and outdoor temperature Tj

Tj = -7 °C	Pdh	kW	58,4
	COPd		3,31
Tj = 2 °C	Pdh	kW	70,6
	COPd		4,33
Tj = 7 °C	Pdh	kW	41,9
	COPd		4,48
Tj = 12 °C	Pdh	kW	46,0
	COPd		6,15
Tj = Operation limit temperature - air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	Pdh	kW	48,4
	COPd		2,69
Tj = Bivalent temperature	Pdh	kW	59,6
	COPd		3,44
Bivalent temperature	Tbiv	°C	-6
Operation limit temperature	TOL		-25
Cycling interval	Pcych	kW	-
	COPcyc		-
Degradation co-efficient	Cdh		0,9
Heating water operating limit temperature	WTOL	°C	55

Power consumption in modes other than active mode

Off mode	P _{OFF}		0,00
Thermostat off-mode	P _{TO}		0,15
Standby mode	P _{SB}		0,15
Crankcase heater mode	P _{CK}		0,00

Supplementary heater

Rated heat output	P _{sup}	kW	15,8
Type of energy input			Electrical

Other items

Capacity control			Fixed
Sound power level, indoors/ outdoors	L _{WA}	dB	-/80,2
Emissions of nitrogen oxides	NO _x	mg/kWh	0
Rated air flow rate, outdoors	-	m ³ /h	25 573
Rated brine or water flow rate, outdoor heat exchanger	-	m ³ /h	0

*For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

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ECODESIGN INFORMATION DATASHEET FOR LOW TEMPERATURE SPACE HEATER
Additional Information requirements of regulation: (EU) 811/2013

Supplier's model identifier	SAC5-71CH-2IP4E
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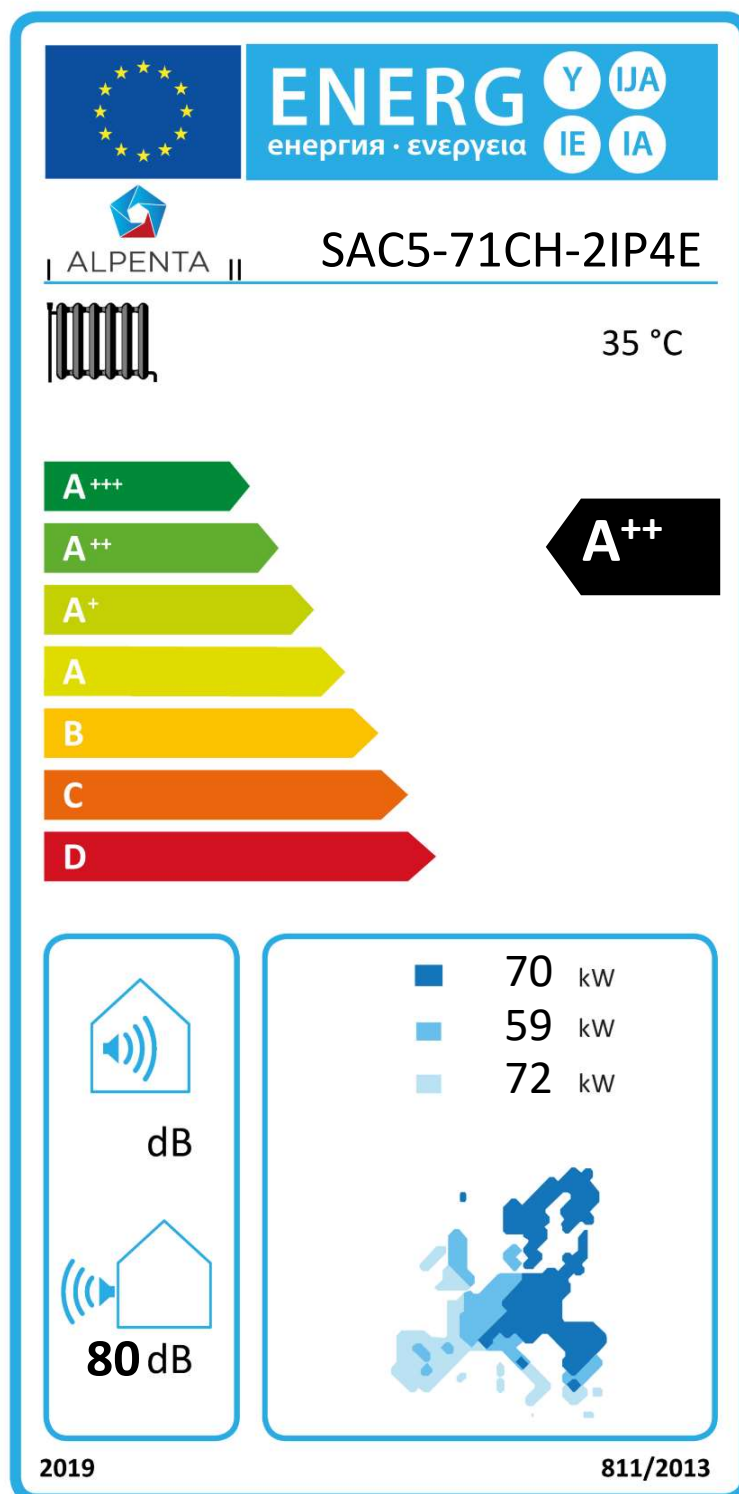
Average climate conditions			
Seasonal space heating energy efficiency class	A++		
Rated heat output, including any supplementary heater	kW	70	
Seasonal space heating energy efficiency	%	154	
Annual energy consumption	kWh	37 067	

Colder climate conditions			
Rated heat output, including any supplementary heater	kW	59	
Seasonal space heating energy efficiency	%	142	
Annual energy consumption	kWh	39 868	

Warmer climate conditions			
Rated heat output, including any supplementary heater	kW	72	
Seasonal space heating energy efficiency	%	190	
Annual energy consumption	kWh	19 688	

Any specific precautions that shall be taken when the space heater is assembled, installed or maintained	Follow Installation and operating instruction delivered with the unit.
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