

Warm climate and Medium temperature

Model(s):	CTC Gsi-12 230V		
Air-to-water heat pump:	No	Energy efficiency class:	-
Water-to-water heat pump:	No	Controller class:	VI -
Brine-to-water heat pump:	Yes	Controller contribution:	4 %
Low-temperature heat pump:	No	Package efficiency:	148 %
Equipped with a supplementary heater:	Yes	Package efficiency class:	-
Heat pump combination heater:	Yes		

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	<i>P_{rated}</i>	12	kW	Seasonal space heating energy efficiency	η_s	144	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = -7 °C	<i>P_{dh}</i>	na	kW	T _j = -7 °C	<i>COP_d</i>	na	-
T _j = +2 °C	<i>P_{dh}</i>	11,4	kW	T _j = +2 °C	<i>COP_d</i>	2,67	-
T _j = +7 °C	<i>P_{dh}</i>	7,7	kW	T _j = +7 °C	<i>COP_d</i>	3,43	-
T _j = +12 °C	<i>P_{dh}</i>	3,4	kW	T _j = +12 °C	<i>COP_d</i>	4,64	-
T _j = bivalent temperature	<i>P_{dh}</i>	11,4	kW	T _j = bivalent temperature	<i>COP_d</i>	2,67	-
T _j = operation limit temperature	<i>P_{dh}</i>	11,44	kW	T _j = operation limit temperature	<i>COP_d</i>	2,67	-
For air-to-water heat pumps: T _j = -15 °C (if TOL < -20 °C)	<i>P_{dh}</i>	na	kW	For air-to-water heat pumps: T _j = -15 °C (if TOL < -20 °C)	<i>COP_d</i>	na	-
Bivalent temperature	<i>T_{biv}</i>	2	°C	For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	na	°C
Cycling interval capacity for heating	<i>P_{cych}</i>	na	kW	Cycling interval efficiency	<i>COP_{cyc}</i>	na	-
Degradation co-efficient (**)	<i>C_{dh}</i>	0,98	-	Heating water operating limit temperature	<i>WTOL</i>	65	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	<i>P_{OFF}</i>	0,023	kW	Rated heat output (*)	<i>P_{sup}</i>	0,1	kW
Thermostat-off mode	<i>P_{TO}</i>	0,000	kW	Type of energy input	Electric		
Standby mode	<i>P_{SB}</i>	0,023	kW				
Crankcase heater mode	<i>P_{CK}</i>	0,000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m ³ /h
Sound power level, indoors/outdoors	<i>L_{WA}</i>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	1	m ³ /h
Annual energy consumption	<i>Q_{HE}</i>	4031	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency/Energy class	$\eta_{wh/-}$	96/A	%
Daily electricity consumption	<i>Q_{elec}</i>	7,946	kWh	Daily fuel consumption	<i>Q_{fuel}</i>	na	kWh
Annual electricity consumption	<i>AEC</i>	1748	kWh	Annual fuel consumption	<i>AFC</i>	na	GJ
Contact details	Enertech AB, Box 309, SE-341 26 Ljungby Tel +46 372 88000			www.ctc.se 160214			

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output *P_{rated}* is equal to the design load for heating *P_{designh}*, and the rated heat output of a supplementary heater *P_{sup}* is equal to the supplementary capacity for heating *sup(T_j)*. (**) If *C_{dh}* is not determined by measurement then the default degradation coefficient is *C_{dh}* = 0,9.



Warm climate and Low temperature

Model(s):	CTC Gsi-12 230V		
Air-to-water heat pump:	No	Energy efficiency class:	-
Water-to-water heat pump:	No	Controller class:	VI -
Brine-to-water heat pump:	Yes	Controller contribution:	4 %
Low-temperature heat pump:	No	Package efficiency:	197 %
Equipped with a supplementary heater:	Yes	Package efficiency class:	-
Heat pump combination heater:	Yes		

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	<i>Prated</i>	9	kW	Seasonal space heating energy efficiency	η_s	193	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T j			
T j = - 7 °C	<i>Pdh</i>	na	kW	T j = - 7 °C	<i>COPd</i>	na	-
T j = + 2 °C	<i>Pdh</i>	9,0	kW	T j = +2 °C	<i>COPd</i>	4,19	-
T j = + 7 °C	<i>Pdh</i>	5,8	kW	T j = +7 °C	<i>COPd</i>	5,00	-
T j = + 12 °C	<i>Pdh</i>	2,6	kW	T j = +12 °C	<i>COPd</i>	5,91	-
T j = bivalent temperature	<i>Pdh</i>	9,0	kW	T j = bivalent temperature	<i>COPd</i>	4,19	-
T j = operation limit temperature	<i>Pdh</i>	9,0	kW	T j = operation limit temperature	<i>COPd</i>	4,20	-
For air-to-water heat pumps: T j = - 15 °C (if TOL < - 20 °C)	<i>Pdh</i>	na	kW	For air-to-water heat pumps: T j = - 15 °C (if TOL < - 20 °C)	<i>COPd</i>	na	-
Bivalent temperature	<i>T biv</i>	2	°C	For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	na	°C
Cycling interval capacity for heating	<i>P cych</i>	na	kW	Cycling interval efficiency	<i>COPcyc</i>	na	-
Degradation co-efficient (**)	<i>Cdh</i>	0,97	-	Heating water operating limit temperature	<i>WTOL</i>	65	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	<i>P OFF</i>	0,023	kW	Rated heat output (*)	<i>Psup</i>	0,0	kW
Thermostat-off mode	<i>P TO</i>	0,000	kW	Type of energy input Electric			
Standby mode	<i>P SB</i>	0,023	kW				
Crankcase heater mode	<i>P CK</i>	0,000	kW	For air-to-water heat pumps: Rated air flow rate, outdoors			
Other items				For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
Capacity control	Variable			-	na	m3/h	
Sound power level, indoors/ outdoors	<i>L WA</i>	43/na	dB	-	1,4	m3/h	
Annual energy consumption	<i>Q HE</i>	2396	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency/Energy class	$\eta_{wh/-}$	96/A	%
Daily electricity consumption	<i>Qelec</i>	7,946	kWh	Daily fuel consumption	<i>Qfuel</i>	na	kWh
Annual electricity consumption	<i>AEC</i>	1748	kWh	Annual fuel consumption	<i>AFC</i>	na	GJ
Contact details	Enertech AB, Box 309, SE-341 26 Ljungby Tel +46 372 88000			www.ctc.se 160214			

(*) 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)*. (**) If *Cdh* is not determined by measurement then the default degradation coefficient is *Cdh* = 0,9.

Average climate and Medium temperature

Model(s):	CTC Gsi-12 230V		
Air-to-water heat pump:	No	Energy efficiency class:	A++ -
Water-to-water heat pump:	No	Controller class:	VI -
Brine-to-water heat pump:	Yes	Controller contribution:	4 %
Low-temperature heat pump:	No	Package efficiency:	152 %
Equipped with a supplementary heater:	Yes	Package efficiency class:	A+++ -
Heat pump combination heater:	Yes		

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	<i>P_{rated}</i>	12	kW	Seasonal space heating energy efficiency	η_s	148	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = -7 °C	<i>P_{dh}</i>	10,6	kW	T _j = -7 °C	<i>COP_d</i>	2,96	-
T _j = +2 °C	<i>P_{dh}</i>	6,5	kW	T _j = +2 °C	<i>COP_d</i>	3,90	-
T _j = +7 °C	<i>P_{dh}</i>	4,2	kW	T _j = +7 °C	<i>COP_d</i>	4,55	-
T _j = +12 °C	<i>P_{dh}</i>	2,3	kW	T _j = +12 °C	<i>COP_d</i>	5,24	-
T _j = bivalent temperature	<i>P_{dh}</i>	11,6	kW	T _j = bivalent temperature	<i>COP_d</i>	2,73	-
T _j = operation limit temperature	<i>P_{dh}</i>	na	kW	T _j = operation limit temperature	<i>COP_d</i>	na	-
For air-to-water heat pumps: T _j = -15 °C (if TOL < -20 °C)	<i>P_{dh}</i>	na	kW	For air-to-water heat pumps: T _j = -15 °C (if TOL < -20 °C)	<i>COP_d</i>	na	-
Bivalent temperature	<i>T_{biv}</i>	-9	°C	For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	na	°C
Cycling interval capacity for heating	<i>P_{cych}</i>	na	kW	Cycling interval efficiency	<i>COP_{cyc}</i>	na	-
Degradation co-efficient (**)	<i>C_{dh}</i>	0,98	-	Heating water operating limit temperature	<i>WTOL</i>	65	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	<i>P_{OFF}</i>	0,023	kW	Rated heat output (*)	<i>P_{sup}</i>	0,4	kW
Thermostat-off mode	<i>P_{TO}</i>	0,000	kW	Type of energy input	Electric		
Standby mode	<i>P_{SB}</i>	0,023	kW	For air-to-water heat pumps: Rated air flow rate, outdoors			
Crankcase heater mode	<i>P_{CK}</i>	0,000	kW				
Other items				For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
Capacity control	Variable			-	na	na	m ³ /h
Sound power level, indoors/outdoors	<i>L_{WA}</i>	43/na	dB	-	1,0	1,0	m ³ /h
Annual energy consumption	<i>Q_{HE}</i>	6369	kWh				
For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency/Energy class	$\eta_{wh/-}$	96/A	%
Daily electricity consumption	<i>Q_{elec}</i>	7,945	kWh	Daily fuel consumption	<i>Q_{fuel}</i>	na	kWh
Annual electricity consumption	<i>AEC</i>	1748	kWh	Annual fuel consumption	<i>AFC</i>	na	GJ
Contact details	Enertech AB, Box 309, SE-341 26 Ljungby Tel +46 372 88000			www.ctc.se 160214			

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output *P_{rated}* is equal to the design load for heating *P_{designh}*, and the rated heat output of a supplementary heater *P_{sup}* is equal to the supplementary capacity for heating *sup(T_j)*. (**) If *C_{dh}* is not determined by measurement then the default degradation coefficient is *C_{dh}* = 0,9.



Average climate and Low temperature

Model(s):	CTC Gsi-12 230V		
Air-to-water heat pump:	No	Energy efficiency class:	A++ -
Water-to-water heat pump:	No	Controller class:	VI -
Brine-to-water heat pump:	Yes	Controller contribution:	4 %
Low-temperature heat pump:	No	Package efficiency:	200 %
Equipped with a supplementary heater:	Yes	Package efficiency class:	A+++ -
Heat pump combination heater:	Yes		

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	<i>P_{rated}</i>	10	kW	Seasonal space heating energy efficiency	η_s	196	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	<i>P_{dh}</i>	8,9	kW	T _j = - 7 °C	<i>COP_d</i>	4,37	-
T _j = + 2 °C	<i>P_{dh}</i>	5,4	kW	T _j = +2 °C	<i>COP_d</i>	5,25	-
T _j = + 7 °C	<i>P_{dh}</i>	3,4	kW	T _j = +7 °C	<i>COP_d</i>	5,75	-
T _j = + 12 °C	<i>P_{dh}</i>	2,4	kW	T _j = +12 °C	<i>COP_d</i>	6,10	-
T _j = bivalent temperature	<i>P_{dh}</i>	11,8	kW	T _j = bivalent temperature	<i>COP_d</i>	3,68	-
T _j = operation limit temperature	<i>P_{dh}</i>	na	kW	T _j = operation limit temperature	<i>COP_d</i>	na	-
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	<i>P_{dh}</i>	na	kW	For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	<i>COP_d</i>	na	-
Bivalent temperature	<i>T_{biv}</i>	-15	°C	For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	na	°C
Cycling interval capacity for heating	<i>P_{cych}</i>	na	kW	Cycling interval efficiency	<i>COP_{cyc}</i>	na	-
Degradation co-efficient (**)	<i>C_{dh}</i>	0,97	-	Heating water operating limit temperature	<i>WTOL</i>	65	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	<i>P_{OFF}</i>	0,023	kW	Rated heat output (*)	<i>P_{sup}</i>	0,0	kW
Thermostat-off mode	<i>P_{TO}</i>	0,000	kW	Type of energy input Electric			
Standby mode	<i>P_{SB}</i>	0,023	kW				
Crankcase heater mode	<i>P_{CK}</i>	0,000	kW	For air-to-water heat pumps: Rated air flow rate, outdoors			
Other items				For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
Capacity control	Variable			-	na	<i>m³/h</i>	
Sound power level, indoors/ outdoors	<i>L_{WA}</i>	43/na	<i>dB</i>	-	1,4	<i>m³/h</i>	
Annual energy consumption	<i>Q_{HE}</i>	4041	<i>kWh</i>				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency/Energy class	$\eta_{wh/-}$	96/A	%
Daily electricity consumption	<i>Q_{elec}</i>	7,945	kWh	Daily fuel consumption	<i>Q_{fuel}</i>	na	kWh
Annual electricity consumption	<i>AEC</i>	1748	kWh	Annual fuel consumption	<i>AFC</i>	na	GJ
Contact details	Enertech AB, Box 309, SE-341 26 Ljungby Tel +46 372 88000			www.ctc.se 160214			

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output *P_{rated}* is equal to the design load for heating *P_{design,h}*, and the rated heat output of a supplementary heater *P_{sup}* is equal to the supplementary capacity for heating *sup(T_j)*. (**) If *C_{dh}* is not determined by measurement then the default degradation coefficient is *C_{dh}* = 0,9.

Cold climate and Medium temperature

Model(s):	CTC Gsi-12 230V		
Air-to-water heat pump:	No	Energy efficiency class:	-
Water-to-water heat pump:	No	Controller class:	VI -
Brine-to-water heat pump:	Yes	Controller contribution:	4 %
Low-temperature heat pump:	No	Package efficiency:	156 %
Equipped with a supplementary heater:	Yes	Package efficiency class:	-
Heat pump combination heater:	Yes		

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	<i>P_{rated}</i>	12	kW	Seasonal space heating energy efficiency	η_s	152	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = -7 °C	<i>P_{dh}</i>	7,13	kW	T _j = -7 °C	<i>COP_d</i>	3,66	-
T _j = +2 °C	<i>P_{dh}</i>	4,3	kW	T _j = +2 °C	<i>COP_d</i>	4,38	-
T _j = +7 °C	<i>P_{dh}</i>	2,7	kW	T _j = +7 °C	<i>COP_d</i>	5,04	-
T _j = +12 °C	<i>P_{dh}</i>	2,3	kW	T _j = +12 °C	<i>COP_d</i>	5,33	-
T _j = bivalent temperature	<i>P_{dh}</i>	11,6	kW	T _j = bivalent temperature	<i>COP_d</i>	2,68	-
T _j = operation limit temperature	<i>P_{dh}</i>	11,63	kW	T _j = operation limit temperature	<i>COP_d</i>	2,68	-
For air-to-water heat pumps: T _j = -15 °C (if TOL < -20 °C)	<i>P_{dh}</i>	na	kW	For air-to-water heat pumps: T _j = -15 °C (if TOL < -20 °C)	<i>COP_d</i>	na	-
Bivalent temperature	<i>T_{biv}</i>	-22	°C	For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	na	°C
Cycling interval capacity for heating	<i>P_{cych}</i>	na	kW	Cycling interval efficiency	<i>COP_{cyc}</i>	na	-
Degradation co-efficient (**)	<i>C_{dh}</i>	0,97	-	Heating water operating limit temperature	<i>WTOL</i>	65	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	<i>P_{OFF}</i>	0,023	kW	Rated heat output (*)	<i>P_{sup}</i>	0,1	kW
Thermostat-off mode	<i>P_{TO}</i>	0,000	kW	Type of energy input	Electric		
Standby mode	<i>P_{SB}</i>	0,023	kW				
Crankcase heater mode	<i>P_{CK}</i>	0,000	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m ³ /h
Sound power level, indoors/outdoors	<i>L_{WA}</i>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	1,0	m ³ /h
Annual energy consumption	<i>Q_{HE}</i>	7225	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency/Energy class	$\eta_{wh/-}$	96/A	%
Daily electricity consumption	<i>Q_{elec}</i>	7,945	kWh	Daily fuel consumption	<i>Q_{fuel}</i>	na	kWh
Annual electricity consumption	<i>AEC</i>	1748	kWh	Annual fuel consumption	<i>AFC</i>	na	GJ
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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output *P_{rated}* is equal to the design load for heating *P_{designh}*, and the rated heat output of a supplementary heater *P_{sup}* is equal to the supplementary capacity for heating *sup(T_j)*. (**) If *C_{dh}* is not determined by measurement then the default degradation coefficient is *C_{dh}* = 0,9.



Cold climate and Low temperature

Model(s):	CTC Gsi-12 230V		
Air-to-water heat pump:	No	Energy efficiency class:	-
Water-to-water heat pump:	No	Controller class:	VI -
Brine-to-water heat pump:	Yes	Controller contribution:	4 %
Low-temperature heat pump:	No	Package efficiency:	208 %
Equipped with a supplementary heater:	Yes	Package efficiency class:	-
Heat pump combination heater:	Yes		

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	<i>P_{rated}</i>	10	kW	Seasonal space heating energy efficiency	η_s	204	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j			
T _j = - 7 °C	<i>P_{dh}</i>	5,7	kW	T _j = - 7 °C	<i>COP_d</i>	5,15	-
T _j = + 2 °C	<i>P_{dh}</i>	3,5	kW	T _j = + 2 °C	<i>COP_d</i>	5,65	-
T _j = + 7 °C	<i>P_{dh}</i>	2,4	kW	T _j = + 7 °C	<i>COP_d</i>	6,06	-
T _j = + 12 °C	<i>P_{dh}</i>	2,4	kW	T _j = + 12 °C	<i>COP_d</i>	6,06	-
T _j = bivalent temperature	<i>P_{dh}</i>	9,5	kW	T _j = bivalent temperature	<i>COP_d</i>	4,21	-
T _j = operation limit temperature	<i>P_{dh}</i>	9,48	kW	T _j = operation limit temperature	<i>COP_d</i>	4,21	-
For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	<i>P_{dh}</i>	na	kW	For air-to-water heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	<i>COP_d</i>	na	-
Bivalent temperature	<i>T_{biv}</i>	-22	°C	For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	na	°C
Cycling interval capacity for heating	<i>P_{cych}</i>	na	kW	Cycling interval efficiency	<i>COP_{cy}</i>	na	-
Degradation co-efficient (**)	<i>C_{dh}</i>	0,96	-	Heating water operating limit temperature	<i>WTOL</i>	65	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	<i>P_{OFF}</i>	0,023	kW	Rated heat output (*)	<i>P_{sup}</i>	0,0	kW
Thermostat-off mode	<i>P_{TO}</i>	0,000	kW	Type of energy input: Electric			
Standby mode	<i>P_{SB}</i>	0,023	kW				
Crankcase heater mode	<i>P_{CK}</i>	0,000	kW	For air-to-water heat pumps: Rated air flow rate, outdoors			
Other items				For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
Capacity control	Variable			-	na	1,0	m ³ /h
Sound power level, indoors/outdoors	<i>L_{WA}</i>	43/na	dB	-	1,0		m ³ /h
Annual energy consumption	<i>Q_{HE}</i>	4425	kWh				

For heat pump combination heater:

Declared load profile	XL			Water heating energy efficiency/Energy class	$\eta_{wh/-}$	96/A	%
Daily electricity consumption	<i>Q_{elec}</i>	7,945	kWh	Daily fuel consumption	<i>Q_{fuel}</i>	na	kWh
Annual electricity consumption	<i>AEC</i>	1748	kWh	Annual fuel consumption	<i>AFC</i>	na	GJ

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output *P_{rated}* is equal to the design load for heating *P_{designh}*, and the rated heat output of a supplementary heater *P_{sup}* is equal to the supplementary capacity for heating *sup(T_j)*. (**) If *C_{dh}* is not determined by measurement then the default degradation coefficient is *C_{dh}* = 0,9.