Information for heat pump space heaters and heat pump combination heaters $% \left(1\right) =\left(1\right) \left(1\right)$

Warm climate and Medium temperature

Enertech AB 341 26 Ljungby



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Model(s):	CTC EcoPart 41	.4 + CTC EcoL	ogic			
Air-to-water heat pump:	No		Energy efficiency class:		-	•
Water-to-water heat pump:	No		Controller class:	VII	-	
Brine-to-water heat pump:	Yes		Controller contribution:	3,5	%	
Low-temperature heat pump:	No		Package efficiency:	140	%	
Equipped with a supplementary heater:	No		Package efficiency class:		-	
Heat pump combination heater:	No					
Parameters shall be declared for medium	-temperature applicat	ion, except fo	or low-temperature heat pumps.	For low- temper	ature heat pu	mps,
parameters shall be declared for low-tem	perature application.					
Item Symbo	ol Value	Unit	Item	Symbol	Value	Unit

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15	kW	Seasonal space heating energy efficiency	η_{s}	136	%
Declared capacity for heating for outdoor temperature T j	or part load at in	door temperatu	re 20 °C and	Declared coefficient of performal part load at indoor temperature	•		
T j = - 7 °C	Pdh	na	kW	T j = - 7 °C	COPd	na	-
T j = + 2 °C	Pdh	13,5	kW	T j = +2 °C	COPd	3,11	-
T j = + 7 °C	Pdh	13,8	kW	T j = +7 °C	COPd	3,48	-
T j = + 12 °C	Pdh	14,2	kW	T j = +12 °C	COPd	4,12	-
T j = bivalent temperature	Pdh	13,5	kW	T j = bivalent temperature	COPd	3,21	-
T j = operation limit temperature	Pdh	na	kW	T j = operation limit temperature	COPd	na	-
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = - 15 °C (if TOL < - 20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P cych	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes o	ther than active	mode	_	Supplementary heater			_
Off mode	P OFF	0,018	kW	Rated heat output	Psup	1,1	kW
Thermostat-off mode	P _{TO}	0,032	kW				
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items							
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q _{HE}	5396	kWh	flow rate, outdoor heat exchanger	-	3,0	m3/h
For heat pump combination hea	ater:						
Declared load profile /		na		Water heating energy	$\eta_{\sf wh}$	na	%
Energy efficiency class		1	1	efficiency	· IWII		,"
Daily electricity consumption	Qelec	na	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	na	kWh	Annual fuel consumption	AFC	na	GJ
Specific precautions and end of life information:		end of the product'	s life cycle, it mus e product's refrige	a recycling station or with the installation enging of be sent correctly to a waste station or reseller erant, compressor oil and electrical/electronic en on to permitted.	offering a service	ce of that type. t	s of great



Model(s): No Energy efficiency class:	eat pump combination heaters Enertech AB 341 26 Ljungk	CT
Water-to-water heat pump:	EcoPart 414 + CTC EcoLogic	
Brine-to-water heat pump: No Package efficiency: No Package efficiency class: - Heat pump combination heater: No Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps arameters shall be declared for medium-temperature application. Item Symbol Value Unit Item Symbol Package efficiency class: - Heat pump combination heater: No Parameters shall be declared for medium-temperature application. Item Symbol Value Unit Item Symbol Value Seasonal space heating energy efficiency To Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature 20 °C and ou	Energy efficiency class: -	
Equipped with a supplementary heater: No Package efficiency: No Package efficiency: No Package efficiency No Package efficiency No Package efficiency No Package	Controller class: VII -	
Equipped with a supplementary heater: No Package efficiency class: - Heat pump combination heater: No Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low- temperature heat puparameters shall be declared for medium-temperature application. Rated heat output (*) Proted 16 kW Symbol Value Unit Seasonal space heating energy efficiency or Cand outdoor temperature T j Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j T j = -7 °C Pdh na kW T j = -7 °C COPd na l4,5 kW T j = +2 °C COPd 4,55 T j = +7 °C Pdh 14,8 kW T j = +12 °C COPd 4,76 T j = +12 °C COPd 4,76 T j = +12 °C COPd 4,76 T j = +12 °C COPd 5,02 T j = bivalent temperature Pdh 14,6 kW T j = bivalent temperature Pdh na kW T j = -15 °C (if TOL < -20 °C) Pdh na kW T j = -15 °C (if TOL < -20 °C) Pdh na kW T j = -15 °C (if TOL < -20 °C) Pdh na kW T j = -15 °C (if TOL < -20 °C) Pdh Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15 °C (if TOL < -20 °C) Na Na kW T j = -15	Controller contribution: 3,5 %	
Heat pump combination heater: No 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 Rated heat output (*) Proted 16 kW Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j T j = -7 °C Pdh T j = -7 °C Pdh T j = -7 °C Pdh T j = +2 °C Pdh T j = +7 °C COPd T j = +2 °C COPd T j = -15 °C (if TOL < -20 °C) Pdh T j = -15 °C (if TOL < -20 °C) Power consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Consumption in modes other than active mode Off mode Power Con	Package efficiency: 174 %	
Parameters shall be declared for medium-temperature application. except for low-temperature heat pumps. For low- temperature heat pups parameters shall be declared for low-temperature application. Item Symbol Value Unit Item Symbol Value Seasonal space heating energy $n_S = 170$ Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j T j = -7 °C Pdh na kW T j = -7 °C COPd na at load at indoor temperature 20 °C and outdoor t	Package efficiency class: -	
Item Symbol Value Unit Item Symbol Value Unit Item Symbol Value Unit Item Symbol Value Unit Item Symbol Value Seasonal space heating energy Item Item Symbol Value Seasonal space heating energy Item It		
Rated heat output (*) Prated 16 kW Seasonal space heating energy efficiency Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature 7 j T j = -7 °C Pdh T j = -7		t pumps,
Rated heat output (*) Prated 16 kW Seasonal space heating energy efficiency Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature 7 j $T_1 = -7$ °C $T_2 = -7$ °C $T_3 = -7$ °C $T_4 = -7$ °C $T_$		
Prated 16 kW Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature 7 j T j = -7 °C		e Uni
part load at indoor temperature 20 °C and outdoor temperature $T_j = -7$ °C		%
T j = +2 °C Pdh 14,5 Pdh 14,5 Pdh 14,7 Pdh 14,7 Pdh 14,7 Pdh 14,8 Pdh 14,8 Pdh 14,8 Pdh 14,8 Pdh 14,6 Propertion limit temperature Propertion limit temp		
T j = + 7 °C Pdh 14,7 kW T j = +7 °C COPd 4,76 T j = +12 °C COPd 5,02 T j = bivalent temperature Pdh 14,8 kW T j = bivalent temperature Pdh 14,6 kW T j = bivalent temperature COPd 4,62 T j = operation limit temperature Pdh na kW T j = operation limit temperature COPd na T j = operation limit temperature T j = -15 °C (if TOL < -20 °C) Pdh na kW T j = bivalent temperature COPd na T j = -15 °C (if TOL < -20 °C) Pdh na kW T j = operation limit temperature COPd na T j = -15 °C (if TOL < -20 °C) Pdh na kW T j = -15 °C (if TOL < -20 °C) Pdh na COPd na ToL na COPd na COPC Na ToL na ToL na COPC Na ToL na COPC Na ToL	na kW Tj=-7°C COPd	一 .
T j = + 12 °C	14,5 kW T j = +2 °C COPd	-
T j = bivalent temperature Pdh P	14,7 kW T j = +7 °C <i>COPd</i>	-
T j = operation limit temperature Pdh na kW T j = operation limit temperature For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C) Pdh na kW For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C) Bivalent temperature T biv 3 °C For air-to-water heat pumps: Operation limit temperature T DL na Cycling interval capacity for heating Degradation co-efficient Cdh O,96 Power consumption in modes other than active mode Off mode P OFF O,018 KW T j = operation limit temperature For air-to-water heat pumps: Operation limit temperature Cycling interval efficiency COPCyc na Heating water operating limit temperature Supplementary heater Rated heat output P Sup 1,2	14,8 kW T j = +12 °C COPd	-
temperature For air-to-water heat pumps: $T_j = -15 ^{\circ}\text{C} (\text{if TOL} < -20 ^{\circ}\text{C})$ Pah To an a kw temperature For air-to-water heat pumps: $T_j = -15 ^{\circ}\text{C} (\text{if TOL} < -20 ^{\circ}\text{C})$ Pah To an a kw temperature For air-to-water heat pumps: $T_j = -15 ^{\circ}\text{C} (\text{if TOL} < -20 ^{\circ}\text{C})$ For air-to-water heat pumps: Operation limit temperature Cycling interval capacity for heating Degradation co-efficient Cycling interval efficiency CoPcyc The ating water operating limit temperature Supplementary heater Rated heat output Psup 1,2	14,6 kW T j = bivalent temperature COPd	-
T j = -15 °C (if TOL < -20 °C) Pan	na I KW II a COPa I	
Cycling interval capacity for heating P_{cych} P_{c	na k\n/ (1)pa	-
Thermostat-off mode P_{Cych}	3 °(°C
Degradation co-efficient Cdh $0,96$ - temperature $WTOL$ 65 Power consumption in modes other than active mode Off mode P_{OFF} $0,018$ kW Thermostat-off mode P_{TO} $0,097$ kW $VTOL$ 65 Supplementary heater Rated heat output P_{SUP} $1,2$	na kW Cycling interval efficiency COPcyc	-
Off mode P_{OFF} 0,018 kW Rated heat output P_{SUP} 1,2 Thermostat-off mode P_{TO} 0,097 kW	0.96 - WIOL	°C
Thermostat-off mode P _{TO} 0,097 kW	Supplementary heater	
	D,018 kW Rated heat output Psup	kW
Standby mode P_{SB} 0,018 kW Type of energy input Electric	0,097 kW	
	0,018 kW Type of energy input Ele	;
Crankcase heater mode P_{CK} 0,000 kW	0,000 kW	

	- Cit	-,		
Other items				
Capacity control		Fixed		For air Rated
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For wa
Annual energy consumption	Q _{HE}	4702	kWh	flow ra exchar

		i
For air-to-water heat pumps: Rated air flow rate, outdoors	na	m3/h
For water-/brine-to-water heat pumps: Rated brine or water		
flow rate, outdoor heat exchanger	3,6	m3/h

For heat pump combination heater:

Declared load profile / Energy efficiency class		na		Water heating energy efficiency	$\eta_{\sf wh}$	na	%
Daily electricity consumption	Qelec	na	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	na	kWh	Annual fuel consumption	AFC	na	GJ

Specific precautions and end of life information:

The packaging must be deposited at a recycling station or with the installation engineer for correct waste management. At the end of the product's life cycle, it must be sent correctly to a waste station or reseller offering a service of that type. t is of great $importance\ that\ the\ product's\ refrigerant,\ compressor\ oil\ and\ electrical/electronic\ equipment\ are\ properly\ disposed\ of.\ Disposing$ of the product as household waste is not permitted.

Enertech AB, Box 309, SE-341 26 Ljungby Tel +46 372 88000

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Average climate and Medium temperature

Enertech AB 341 26 Ljungby



Model(s):	CTC EcoPart 414 + CTC EcoLogic					
Air-to-water heat pump:	No	Energy efficiency class:	A++	-		
Water-to-water heat pump:	No	Controller class:	VII	-		
Brine-to-water heat pump:	Yes	Controller contribution:	3,5	%		
Low-temperature heat pump:	No	Package efficiency:	141	%		
Equipped with a supplementary heater:	No	Package efficiency class:	A++	-		
Heat pump combination heater:	No					
Parameters shall be declared for medium-te	mperature application,	except for low-temperature heat pumps.	For low- tem	perature heat pumps,		

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	16	kW	Seasonal space heating energy efficiency	η_{s}	137	%
Declared capacity for heating for outdoor temperature T j	or part load at in	door temperatu	re 20 °C and	Declared coefficient of performar part load at indoor temperature 2			
T j = - 7 °C	Pdh	13,6	kW	T j = - 7 °C	COPd	3,29] -
T j = + 2 °C	Pdh	13,9	kW	T j = +2 °C	COPd	3,68	1 -
T j = + 7 °C	Pdh	14,2	kW	T j = +7 °C	COPd	4,03	1 -
T j = + 12 °C	Pdh	14,4	kW	T j = +12 °C	COPd	4,37] -
T j = bivalent temperature	Pdh	13,6	kW	T j = bivalent temperature	COPd	3,34	-
T j = operation limit temperature	Pdh	na	kW	T j = operation limit temperature	COPd	na	-
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = - 15 °C (if TOL < - 20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P _{cych}	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes of	other than active	mode		Supplementary heater			
Off mode	P OFF	0,018	kW	Rated heat output	Psup	2,7	kW
Thermostat-off mode	P _{TO}	0,032	kW	[]			
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items							
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q _{HE}	9158	kWh	flow rate, outdoor heat exchanger	-	3,0	m3/h
For heat pump combination he	eater:						
Declared load profile /		na		Water heating energy	$\eta_{\sf wh}$	na	%
Energy efficiency class			1	efficiency	· iwn	110] ~
Daily electricity consumption	Qelec	na	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	na	kWh	Annual fuel consumption	AFC	na	GJ
Specific precautions and end of life information:		end of the product'	s life cycle, it mus e product's refrige	recycling station or with the installation engine be sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic ec not permitted.	offering a servi	ce of that type. t	is of great

Average climate and Low temperature

Enertech AB 341 26 Ljungby



Model(s):	CTC EcoPart 414 + CTC EcoLogic						
Air-to-water heat pump:	No	Energy efficiency class:	A++	-			
Water-to-water heat pump:	No	Controller class:	VII	-			
Brine-to-water heat pump:	Yes	Controller contribution:	3,5	%			
Low-temperature heat pump:	No	Package efficiency:	178	%			
Equipped with a supplementary heater:	No	Package efficiency class:	A+++	-			
Heat pump combination heater:	No						

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	16	kW	Seasonal space heating energy efficiency	η_{s}	174	%
Declared capacity for heating outdoor temperature T j	for part load at in	door temperatu	ıre 20 °C and	Declared coefficient of performal part load at indoor temperature			
T j = - 7 °C	Pdh	14,6	kW	T j = - 7 °C	COPd	4,64	7 -
T j = + 2 °C	Pdh	14,7	kW	T j = +2 °C	COPd	4,81	_
T j = + 7 °C	Pdh	14,8	kW	T j = +7 °C	COPd	4,97	-
T j = + 12 °C	Pdh	14,9	kW	T j = +12 °C	COPd	5,13	-
T j = bivalent temperature	Pdh	14,6	kW	T j = bivalent temperature	COPd	4,64	-
T j = operation limit temperature	Pdh	na	kW	T j = operation limit temperature	COPd	na] -
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P cych	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,96	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes	other than active	mode	_	Supplementary heater			-
Off mode	P OFF	0,018	kW	Rated heat output	Psup	2,0	kW
Thermostat-off mode	P _{TO}	0,097	kW				
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items						-	_
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q _{HE}	7467	kWh	flow rate, outdoor heat exchanger	-	3,6	m3/h
For heat pump combination h	eater:	•				•	•
Declared load profile /		na		Water heating energy	$\eta_{\sf wh}$	na	%
Energy efficiency class		11a		efficiency	' Iwh	na	
Daily electricity consumption	Qelec	na	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	na	kWh	Annual fuel consumption	AFC	na	GJ
Specific precautions and end of life information:		end of the product	s's life cycle, it mus ne product's refrige	a recycling station or with the installation engine t be sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic en not permitted.	offering a servi	ce of that type. t	is of great
Contact details	Enertech AB, Bo	x 309, SE-341 26	Ljungby Tel +4	16 372 88000 www.ctc.se			181001

Information for heat pump space heaters and heat pump combination heaters Cold climate and Medium temperature		heaters	Enertech A		C		
Model(s):		CTC EcoPart 41	4 + CTC EcoLo	gic			
Air-to-water heat pump:		No		Energy efficiency class:		-	
Water-to-water heat pump:		No		Controller class:	VII	-	
Brine-to-water heat pump:		Yes		Controller contribution:	3,5	%	
Low-temperature heat pump:		No		Package efficiency:	144	%	
Equipped with a supplementary	heater:	No		Package efficiency class:		-	
Heat pump combination heater:		No					
			ion, except for	r low-temperature heat pumps. For	r low- tempera	iture heat pu	mps,
parameters shall be declared for	r low-temperati	re application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15	kW	Seasonal space heating energy efficiency	η_{s}	140	%
Declared capacity for heating fo outdoor temperature T j	r part load at in	door temperatu	re 20 °C and	Declared coefficient of perform part load at indoor temperature			
T j = - 7 °C	Pdh	13,8	kW	T j = - 7 °C	COPd	3,59] -
T j = + 2 °C	Pdh	14,1	kW	T j = +2 °C	COPd	3,94	1 -
T j = + 7 °C	Pdh	14,3	kW	T j = +7 °C	COPd	4,26] -
T j = + 12 °C	Pdh	14,5	kW	T j = +12 °C	COPd	4,49	_
T j = bivalent temperature	Pdh	13,6	kW	T j = bivalent temperature	COPd	3,28	-
T j = operation limit temperature	Pdh	na	kW	T j = operation limit temperature	COPd	na	-
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = - 15 °C (if TOL < - 20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	-18	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P _{cych}	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes of	ther than active	mode		Supplementary heater			
Off mode	P OFF	0,018	kW	Rated heat output	Psup	1,7	kW
Thermostat-off mode	P _{TO}	0,032	kW				
Standby mode	P _{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items		•			!		

Other items **Fixed** Capacity control Sound power level, indoors/ 53/na dΒ L_{WA} outdoors 10139 kWh Annual energy consumption Q_{HE}

		İ
For air-to-water heat pumps:	na	m3/h
Rated air flow rate, outdoors		
For water-/brine-to-water heat		
pumps: Rated brine or water		
flow rate, outdoor heat	3.0	m2/h
exchanger	3,0	1115/11

For heat pump combination heater:

Declared load profile / Energy efficiency class	na		Water heating energy efficiency	$\eta_{\sf wh}$	na	%	
Daily electricity consumption	Qelec	na	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	na	kWh	Annual fuel consumption	AFC	na	GJ

Specific precautions and end of life information:

The packaging must be deposited at a recycling station or with the installation engineer for correct waste management. At the end of the product's life cycle, it must be sent correctly to a waste station or reseller offering a service of that type. t is of great $importance\ that\ the\ product's\ refrigerant,\ compressor\ oil\ and\ electrical/electronic\ equipment\ are\ properly\ disposed\ of.\ Disposing\ properly\ disposed\ properly\ disposed\ of.\ Disposing\ properly\ disposed\ properly\ properly\ disposed\ properly\ p$ of the product as household waste is not permitted.

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CTC EcoPart 414 + CTC EcoLogic

Cold climate and Low temperature

Model(s):

Enertech AB 341 26 Ljungby



Air-to-water heat pump:		No		Energy efficiency class:		-	
Water-to-water heat pump:		No		Controller class:	VII	-	
Brine-to-water heat pump:		Yes		Controller contribution:	3,5	%	
Low-temperature heat pump:		No		Package efficiency:	180	%	
Equipped with a supplementar	y heater:	No		Package efficiency class:		-	
Heat pump combination heate		No	ion except for	low-temperature heat pumps. For	r low- temper	ature heat nu	mne
parameters shall be declared for			ion, except ioi	low-temperature neat pumps. For	iow-tempera	ature neat pu	ilips,
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
				Seasonal space heating energy	<u> </u>		
Rated heat output (*)	Prated	16	kW	efficiency	η_{s}	176	%
Declared capacity for heating foutdoor temperature T j	or part load at in	door temperatu	re 20 °C and	Declared coefficient of perform part load at indoor temperatur			
T j = - 7 °C	Pdh	14,7	kW	T j = -7 °C	COPd	4,84] -
T j = + 2 °C	Pdh	14,8	kW	T j = +2 °C	COPd	4,98	-
T j = + 7 °C	Pdh	14,9	kW	T j = +7 °C	COPd	5,08	<u> </u>
T j = + 12 °C	Pdh	14,9	kW	T j = +12 °C	COPd	5,11	-
T j = bivalent temperature	Pdh	14,6	kW	T j = bivalent temperature	COPd	4,67	-
T j = operation limit temperature	Pdh	na	kW	T j = operation limit temperature	COPd	na	-
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	-18	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P _{cych}	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,96	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes	other than active	mode		Supplementary heater			
Off mode	P OFF	0,018	kW	Rated heat output	Psup	1,8	kW
Thermostat-off mode	P _{TO}	0,097	kW				
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items	CK	3,000	1		<u> </u>		
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q _{HE}	8758	kWh	flow rate, outdoor heat exchanger	-	3,6	m3/h
For heat pump combination he	ater:	-		<u> </u>			
Declared load profile /		na		Water heating energy	n		0/
Energy efficiency class		na		efficiency	$\eta_{\sf wh}$	na	%
Daily electricity consumption	Qelec	na	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	na	kWh	Annual fuel consumption	AFC	na	G1
Specific precautions and end				recycling station or with the installation eng t be sent correctly to a waste station or resell		_	

of life information:

of the product as household waste is not permitted.

 $importance\ that\ the\ product's\ refrigerant,\ compressor\ oil\ and\ electrical/electronic\ equipment\ are\ properly\ disposed\ of.\ Disposing$

Information for heat pump space heaters and heat pump combination heaters **Warm climate and Medium temperature**

Enertech AB 341 26 Ljungby



Model(s):	CTC EcoPart 414 + CTC EcoZenith 550						
Air-to-water heat pump:	No	Energy efficiency class:		-			
Water-to-water heat pump:	No	Controller class:	VII	-			
Brine-to-water heat pump:	Yes	Controller contribution:	3,5	%			
Low-temperature heat pump:	No	Package efficiency:	125	%			
Equipped with a supplementary heater:	Yes	Package efficiency class:		=			
Heat pump combination heater:	Yes						

Rated heat output (*) Declared capacity for heating fo	Prated	15	kW	Seasonal space heating energy			
Declared capacity for heating fo			KVV	efficiency	η _s	121	%
outdoor temperature T j	or part load at in	door temperatu	re 20 °C and	Declared coefficient of performar part load at indoor temperature 2			
T j = - 7 °C	Pdh	na	kW	T j = - 7 °C	COPd	na] -
T j = + 2 °C	Pdh	13,5	kW	T j = +2 °C	COPd	2,81	1 -
T j = + 7 °C	Pdh	13,8	kW	T j = +7 °C	COPd	3,14] -
T j = + 12 °C	Pdh	14,2	kW	T j = +12 °C	COPd	3,67] -
T j = bivalent temperature	Pdh	13,5	kW	T j = bivalent temperature	COPd	2,90	-
T j = operation limit temperature	Pdh	13,5	kW	T j = operation limit temperature	COPd	2,81	-
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P _{cych}	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes o	ther than active	mode	•	Supplementary heater			•
Off mode	P OFF	0,018	kW	Rated heat output	Psup	1,1	kW
Thermostat-off mode	P _{TO}	0,039	kW	[]			•
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items		!	•				
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q _{HE}	6019	kWh	flow rate, outdoor heat exchanger	-	3,0	m3/h
For heat pump combination hea	ater:						
Declared load profile /		XL / A		Water heating energy	$\eta_{\sf wh}$	102	%
Energy efficiency class		1	Г	efficiency	IWII		4
Daily electricity consumption	Qelec	7,515	kWh	Daily fuel consumption	Qfuel	NA	kWh
Annual electricity consumption	AEC	1653	kWh	Annual fuel consumption	AFC	NA	GJ
Specific precautions and end of life information:		end of the product	's life cycle, it must e product's refrige	recycling station or with the installation engine t be sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic ec not permitted.	offering a servi	ce of that type. t	is of great

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illiorination for fieat pullip s	Heaters						
Warm climate and Low tem	341 26 Lju	ingby					
Model(s):		CTC EcoPart 41	4 + CTC EcoZe	nith 550			
Air-to-water heat pump:		No		Energy efficiency class:		-	
Water-to-water heat pump:		No		Controller class:	VII	-	
Brine-to-water heat pump:		Yes		Controller contribution:	3,5	%	
Low-temperature heat pump:		No		Package efficiency:	153	%	
Equipped with a supplementary	y heater:	Yes		Package efficiency class:		-	
Heat pump combination heater	r:	Yes					
Parameters shall be declared for parameters shall be declared for parame	•		on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pu	mps,
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	16	kW	Seasonal space heating energy efficiency	η_{s}	149	%
Declared capacity for heating for outdoor temperature T j	or part load at ind	door temperatui	re 20 °C and	Declared coefficient of performa part load at indoor temperature	•	, ,,	
T j = - 7 °C	Pdh	na	kW	T j = - 7 °C	COPd	na] -
T j = + 2 °C	Pdh	14,5	kW	T j = +2 °C	COPd	4,01] -
T j = + 7 °C	Pdh	14,7	kW	T j = +7 °C	COPd	4,18	-
T j = + 12 °C	Pdh	14,8	kW	T j = +12 °C	COPd	4,39	-
T j = bivalent temperature	Pdh	14,6	kW	T j = bivalent temperature	COPd	4,01	-

T j = operation limit

For air-to-water heat pumps:

T j = -15 °C (if TOL < -20 °C)

temperature

T j = + 7 °C	Pdh	14,7	kW	
T j = + 12 °C	Pdh	14,8	kW	
T j = bivalent temperature	Pdh	14,6	kW	
T j = operation limit temperature	Pdh	14,5	kW	
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	
Bivalent temperature	T _{biv}	3	°C	
Cycling interval capacity for heating	P _{cych}	na	kW	
Degradation co-efficient	Cdh	0,96	-	
Power consumption in modes of	ther than active	mode		
Off mode	P OFF	0,018	kW	

For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval efficiency	СОРсус	na	-
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output	Psup	1,2	kW
Type of energy input		Electric	
	•		

COPd

COPd

4,07

na

Other items			
Capacity control		Fixed	
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB
Annual energy consumption	Q _{HE}	5335	kWh

 P_{TO}

 P_{SB}

 P_{CK}

0,107

0,018

0,000

For air-to-water heat pumps: Rated air flow rate, outdoors	na	m3/h
For water-/brine-to-water heat pumps: Rated brine or water		
flow rate, outdoor heat - exchanger	3,6	m3/h

For heat pump combination he	eater:
Declared load profile /	

Thermostat-off mode

Crankcase heater mode

Standby mode

Declared load profile / Energy efficiency class	XL/A		Water heating energy efficiency	$\eta_{\sf wh}$	102	%	
Daily electricity consumption	Qelec	7,515	kWh	Daily fuel consumption	Qfuel	NA	kWh
Annual electricity consumption	AEC	1653	kWh	Annual fuel consumption	AFC	NA	GJ

kW

kW

kW

Specific precautions and end of life information:

The packaging must be deposited at a recycling station or with the installation engineer for correct waste management. At the end of the product's life cycle, it must be sent correctly to a waste station or reseller offering a service of that type. t is of great $importance\ that\ the\ product's\ refrigerant,\ compressor\ oil\ and\ electrical/electronic\ equipment\ are\ properly\ disposed\ of.\ Disposing\ properly\ disposed\ properly\ disposed\ of.\ Disposing\ properly\ disposed\ properly\ properly\ disposed\ properly\ p$ of the product as household waste is not permitted.

Contact details

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Average climate and Medium temperature

Enertech AB 341 26 Ljungby



Model(s):	CTC EcoPart 414 + CTC EcoZenith 550					
Air-to-water heat pump:	No	Energy efficiency class:	A+	-		
Water-to-water heat pump:	No	Controller class:	VII	-		
Brine-to-water heat pump:	Yes	Controller contribution:	3,5	%		
Low-temperature heat pump:	No	Package efficiency:	127	%		
Equipped with a supplementary heater:	Yes	Package efficiency class:	A++	-		
Heat pump combination heater:	Yes					

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	16	kW	Seasonal space heating energy efficiency	η_s	123	%
Declared capacity for heating for outdoor temperature T j	or part load at in	door temperatu	re 20 °C and	Declared coefficient of performal part load at indoor temperature 2			
T j = - 7 °C	Pdh	13,6	kW	T j = - 7 °C	COPd	2,96] -
T j = + 2 °C	Pdh	13,9	kW	T j = +2 °C	COPd	3,31] -
T j = + 7 °C	Pdh	14,2	kW	T j = +7 °C	COPd	3,59	-
T j = + 12 °C	Pdh	14,4	kW	T j = +12 °C	COPd	3,87	-
T j = bivalent temperature	Pdh	13,6	kW	T j = bivalent temperature	COPd	3,02	-
T j = operation limit temperature	Pdh	13,5	kW	T j = operation limit temperature	COPd	2,81	-
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P _{cych}	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes of	other than active	mode	-	Supplementary heater			
Off mode	P OFF	0,018	kW	Rated heat output	Psup	2,7	kW
Thermostat-off mode	P _{TO}	0,039	kW				
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items		•	•				
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q _{HE}	10197	kWh	flow rate, outdoor heat exchanger	-	3,0	m3/h
For heat pump combination he	ater:						
Declared load profile / Energy efficiency class		XL / A		Water heating energy efficiency	η_{wh}	102	%
Daily electricity consumption	Qelec	7,515	kWh	Daily fuel consumption	Qfuel	NA	kWh
Annual electricity consumption	AEC	1653	kWh	Annual fuel consumption	AFC	NA	GJ
Specific precautions and end of life information:	Enertach AR Ro	end of the product importance that th of the product as h	's life cycle, it must e product's refrige ousehold waste is		offering a servi	ce of that type. t	is of great

Average climate and Low temperature

Enertech AB 341 26 Ljungby



Model(s):	CTC EcoPart 414 + CTC EcoZenith 550						
Air-to-water heat pump:	No	Energy efficiency class:	A++	-			
Water-to-water heat pump:	No	Controller class:	VII	-			
Brine-to-water heat pump:	Yes	Controller contribution:	3,5	%			
Low-temperature heat pump:	No	Package efficiency:	157	%			
Equipped with a supplementary heater:	Yes	Package efficiency class:	A++	-			
Heat pump combination heater:	Yes						

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	17	kW	Seasonal space heating energy efficiency	η_s	153	%
Declared capacity for heating for outdoor temperature T j	or part load at in	door temperatu	re 20 °C and	Declared coefficient of performal part load at indoor temperature 2			
T j = - 7 °C	Pdh	14,6	kW	T j = - 7 °C	COPd	4,08] -
T j = + 2 °C	Pdh	14,7	kW	T j = +2 °C	COPd	4,23] -
T j = + 7 °C	Pdh	14,8	kW	T j = +7 °C	COPd	4,35	-
T j = + 12 °C	Pdh	14,9	kW	T j = +12 °C	COPd	4,48	-
T j = bivalent temperature	Pdh	14,6	kW	T j = bivalent temperature	COPd	4,11	-
T j = operation limit temperature	Pdh	14,5	kW	T j = operation limit temperature	COPd	4,01	-
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P _{cych}	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,96	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes of	other than active	mode	_	Supplementary heater			_
Off mode	P OFF	0,018	kW	Rated heat output	Psup	2,7	kW
Thermostat-off mode	P _{TO}	0,107	kW				
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items		-					
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q _{HE}	8881	kWh	flow rate, outdoor heat exchanger	-	3,6	m3/h
For heat pump combination he	ater:						
Declared load profile / Energy efficiency class		XL / A		Water heating energy efficiency	η_{wh}	102	%
Daily electricity consumption	Qelec	7,515	kWh	Daily fuel consumption	Qfuel	NA	kWh
Annual electricity consumption	AEC	1653	kWh	Annual fuel consumption	AFC	NA	GJ
Specific precautions and end of life information:		end of the product	s life cycle, it must e product's refrige	recycling station or with the installation engine the sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic eduction of permitted.	offering a servi	ce of that type. t	is of great

Cold climate and Medium temperature

Enertech AB 341 26 Ljungby



Model(s):	CTC EcoPart 414 + CTC EcoZenith 550					
Air-to-water heat pump:	No	Energy efficiency class:		-		
Water-to-water heat pump:	No	Controller class:	VII	-		
Brine-to-water heat pump:	Yes	Controller contribution:	3,5	%		
Low-temperature heat pump:	No	Package efficiency:	128	%		
Equipped with a supplementary heater:	Yes	Package efficiency class:		-		
Heat pump combination heater:	Yes					
Parameters shall be declared for medium-te		n, except for low-temperature heat pumps.	For low- tem	perature heat pumps,		
parameters shall be declared for low-tempe	rature application.					

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15	kW	Seasonal space heating energy efficiency	η_{s}	124	%
Declared capacity for heating foutdoor temperature T j	or part load at in	door temperatu	re 20 °C and	Declared coefficient of performa part load at indoor temperature	•		
T j = - 7 °C	Pdh	13,8	kW	T j = - 7 °C	COPd	3,23] -
T j = + 2 °C	Pdh	14,1	kW	T j = +2 °C	COPd	3,52] -
T j = + 7 °C	Pdh	14,3	kW	T j = +7 °C	COPd	3,78	-
T j = + 12 °C	Pdh	14,5	kW	T j = +12 °C	COPd	3,97	
T j = bivalent temperature	Pdh	13,6	kW	T j = bivalent temperature	COPd	2,96	-
T j = operation limit temperature	Pdh	13,5	kW	T j = operation limit temperature	COPd	2,81] -
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	-18	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P cych	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes	other than active	mode	_	Supplementary heater			
Off mode	P OFF	0,018	kW	Rated heat output	Psup	1,7	kW
Thermostat-off mode	P _{TO}	0,039	kW			•	
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items		•					
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q _{HE}	11314	kWh	flow rate, outdoor heat exchanger	-	3,0	m3/h
For heat pump combination he	eater:						
Declared load profile /		XL / A		Water heating energy	$\eta_{\sf wh}$	102	%
Energy efficiency class			1	efficiency	. *****		4
Daily electricity consumption	Qelec	7,515	kWh	Daily fuel consumption	Qfuel	NA	kWh
Annual electricity consumption	AEC	1653	kWh	Annual fuel consumption	AFC	NA	GJ
Specific precautions and end of life information:		end of the product	's life cycle, it mus e product's refrige	recycling station or with the installation enging to be sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic en to permitted.	offering a servi	ce of that type. t	is of great

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Cold climate and Low ten	nperature		341 26 Lju	ngby			
Model(s):		CTC EcoPart 414 + CTC EcoZenith 550					
Air-to-water heat pump:		No		Energy efficiency class:	-		
Water-to-water heat pump:		No		Controller class:	VII	-	
Brine-to-water heat pump:		Yes		Controller contribution:	3,5	%	
Low-temperature heat pump	o:	No		Package efficiency:	157	%	
Equipped with a supplement	tary heater:	Yes		Package efficiency class:	-		
Heat pump combination hea	iter:	Yes					
Parameters shall be declared parameters shall be declared		• • •	ion, except fo	r low-temperature heat pumps. For	low- tempera	ture heat pu	mps,
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	16	kW	Seasonal space heating energy efficiency	η _s	153	%
Declared capacity for heating outdoor temperature T j	g for part load at in	door temperatu	re 20 °C and	Declared coefficient of perform part load at indoor temperature	•	, ,,	

item	Symbol	value	Unit	item	Symbol	value	Unit
Rated heat output (*)	Prated	16	kW	Seasonal space heating energy efficiency	η_s	153	%
Declared capacity for heating for outdoor temperature T j	or part load at ir	ndoor temperatu	re 20 °C and	Declared coefficient of performal part load at indoor temperature			
T j = - 7 °C	Pdh	14,7	kW	T j = -7 °C	COPd	4,24	-
T j = + 2 °C	Pdh	14,8	kW	T j = +2 °C	COPd	4,35	-
T j = + 7 °C	Pdh	14,9	kW	T j = +7 °C	COPd	4,44	-
T j = + 12 °C	Pdh	14,9	kW	T j = +12 °C	COPd	4,46	-
T j = bivalent temperature	Pdh	14,6	kW	T j = bivalent temperature	COPd	4,10	-
T j = operation limit temperature	Pdh	14,5	kW	T j = operation limit temperature	COPd	4,01	-
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	-18	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P _{cych}	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,96	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes of	ther than active	mode	_	Supplementary heater			_
Off mode	P OFF	0,018	kW	Rated heat output	Psup	1,8	kW
Thermostat-off mode	P _{TO}	0,107	kW				
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items		•	•				
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q _{HE}	9957	kWh	flow rate, outdoor heat exchanger	-	3,6	m3/h
For heat pump combination hea	ater:						
Declared load profile /		XL / A		Water heating energy	$\eta_{\sf wh}$	102	%
Energy efficiency class			1	efficiency		102	
Daily electricity consumption	Qelec	7,515	kWh	Daily fuel consumption	Qfuel	NA	kWh
Annual electricity consumption	AEC	1653	kWh	Annual fuel consumption	AFC	NA	GJ

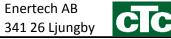
For fleat pump combination ne	ater.						
Declared load profile /		XL / A		Water heating energy	$\eta_{\scriptscriptstyle\sf wh}$	102	%
Energy efficiency class		AL / A		efficiency		102	/0
Daily electricity consumption	Qelec	7,515	kWh	Daily fuel consumption	Qfuel	NA	kWh
Annual electricity consumption	AEC	1653	kWh	Annual fuel consumption	AFC	NA	GJ

Specific precautions and end of life information:

The packaging must be deposited at a recycling station or with the installation engineer for correct waste management. At the end of the product's life cycle, it must be sent correctly to a waste station or reseller offering a service of that type. t is of great $importance\ that\ the\ product's\ refrigerant,\ compressor\ oil\ and\ electrical/electronic\ equipment\ are\ properly\ disposed\ of.\ Disposing$ of the product as household waste is not permitted.

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Warm climate and Medium temperature



Model(s):	CTC EcoPart 414 + CTC Basicstyrning					
Air-to-water heat pump:	No	Energy efficiency class:		-		
Water-to-water heat pump:	No	Controller class:	I	-		
Brine-to-water heat pump:	Yes	Controller contribution:	1	%		
Low-temperature heat pump:	No	Package efficiency:	137	%		
Equipped with a supplementary heater:	No	Package efficiency class:		-		
Heat pump combination heater:	No					

			Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15	kW	Seasonal space heating energy efficiency	η_{s}	136	%
Declared capacity for heating for outdoor temperature T j	or part load at in	door temperatu	re 20 °C and	Declared coefficient of performar part load at indoor temperature 2			
T j = - 7 °C	Pdh	na	kW	T j = - 7 °C	COPd	na] -
T j = + 2 °C	Pdh	13,5	kW	T j = +2 °C	COPd	3,11] -
T j = + 7 °C	Pdh	13,8	kW	T j = +7 °C	COPd	3,48	-
T j = + 12 °C	Pdh	14,2	kW	T j = +12 °C	COPd	4,12] -
T j = bivalent temperature	Pdh	13,5	kW	T j = bivalent temperature	COPd	3,21	-
T j = operation limit temperature	Pdh	na	kW	T j = operation limit temperature	COPd	na	-
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P _{cych}	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes of	other than active	mode	•	Supplementary heater		•	•
Off mode	P OFF	0,018	kW	Rated heat output	Psup	1,1	kW
Thermostat-off mode	P _{TO}	0,032	kW	[]			•
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items		!	•				
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q _{HE}	5396	kWh	flow rate, outdoor heat exchanger	-	3,0	m3/h
For heat pump combination he	ater:						
Declared load profile /		na		Water heating energy	η_{wh}	na	%
Energy efficiency class		1	I	efficiency	- IWII		
Daily electricity consumption	Qelec	na	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	na	kWh	Annual fuel consumption	AFC	na	GJ
Specific precautions and end of life information:		end of the product	s life cycle, it mus e product's refrige	recycling station or with the installation engine t be sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic ec not permitted.	offering a servi	ce of that type. t	is of great

Warm climate and Low temperature

Enertech AB 341 26 Ljungby



Model(s):	CTC EcoPart 414 + CTC Basicstyrning					
Air-to-water heat pump:	No	Energy efficiency class:		-		
Water-to-water heat pump:	No	Controller class:	1	-		
Brine-to-water heat pump:	Yes	Controller contribution:	1	%		
Low-temperature heat pump:	No	Package efficiency:	171	%		
Equipped with a supplementary heater:	No	Package efficiency class:		-		
Heat pump combination heater:	No					

Rated heat output (*) Declared capacity for heating for part looutdoor temperature T j T j = -7 °C	pad at indoor ter	nperature 2	kW 0 °C and kW kW	Seasonal space heating energy efficiency Declared coefficient of performan part load at indoor temperature 2 T j = -7 °C	•		
outdoor temperature T j $Tj = -7 ^{\circ}C$ $Tj = +2 ^{\circ}C$ $Tj = +7 ^{\circ}C$ Po $Tj = +12 ^{\circ}C$ Po $Tj = bivalent temperature$ Po $Tj = operation limit$ $temperature$ For air-to-water heat pumps: $Tj = -15 ^{\circ}C$ (if $TOL < -20 ^{\circ}C$)	dh r 14 14 14 14 14 14 14 14 14 14 14 14 14	na 4,5 4,7	kW kW	part load at indoor temperature 2 T j = -7 °C	°C and out		
Tj = + 2 °C	dh 14 14 14 14 14 14 14 14 14 14 14 14 14	4,5 4,7	kW		COPd		ature I J
$Tj = + 7 ^{\circ}C$	dh 14	4,7			CO, U	na	-
$T j = + 12 ^{\circ}C$ $P c$ $T j = bivalent temperature$ $P c$ $T j = operation limit$ $temperature$ For air-to-water heat pumps: $T j = -15 ^{\circ}C \text{ (if TOL } < -20 ^{\circ}C \text{)}$	dh 14		kW/	T j = +2 °C	COPd	4,55	-
T j = bivalent temperature T j = operation limit temperature For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)		4,8	IX V V	T j = +7 °C	COPd	4,76	-
T j = operation limit temperature For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	dh 14		kW	T j = +12 °C	COPd	5,02	-
temperature For air-to-water heat pumps: $T j = -15 ^{\circ}\text{C} \text{ (if TOL} < -20 ^{\circ}\text{C)}$		4,6	kW	T j = bivalent temperature	COPd	4,62	-
T j = -15 °C (if TOL < -20 °C)	dh r	na	kW	T j = operation limit temperature	COPd	na	-
Bivalent temperature T_{L}	dh r	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-
	biv	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating P_{cy}	ych r	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient Co	dh <mark>O</mark> ,	.96	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes other tha	an active mode	•		Supplementary heater			
Off mode P o	OFF O,(018	kW	Rated heat output	Psup	1,2	kW
Thermostat-off mode P	то 0,0	097	kW				
Standby mode P	SB O,(018	kW	Type of energy input		Electric	
Crankcase heater mode P		000	kW				
Other items	*	•		,			
Capacity control	Fixe	d		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	VA 53	/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption Q	HE 47	702	kWh	flow rate, outdoor heat exchanger	-	3,6	m3/h
For heat pump combination heater:							
Declared load profile /	na			Water heating energy	$\eta_{\scriptscriptstyle \sf wh}$	na	%
Energy efficiency class		1		efficiency		-	
Daily electricity consumption Qe	elec r	na	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity Al consumption		na	kWh	Annual fuel consumption	AFC	na	GJ
Specific precautions and end of life information:	The pack end of th		deposited at a re	ecycling station or with the installation engine	er for correct w	aste managemen	t. At the

Average climate and Medium temperature

Enertech AB 341 26 Ljungby



Model(s):	CTC EcoPart 414 + CTC Basicstyrning						
Air-to-water heat pump:	No	Energy efficiency class:	A++	-			
Water-to-water heat pump:	No	Controller class:	I	-			
Brine-to-water heat pump:	Yes	Controller contribution:	1	%			
Low-temperature heat pump:	No	Package efficiency:	138	%			
Equipped with a supplementary heater:	No	Package efficiency class:	A++	-			
Heat pump combination heater:	No						

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	16	kW	Seasonal space heating energy efficiency	η_{s}	137	%	
Declared capacity for heating for outdoor temperature T j	or part load at in	door temperatu	re 20 °C and	Declared coefficient of performance or primary energy ratio fo part load at indoor temperature 20 °C and outdoor temperature				
T j = - 7 °C	Pdh	13,6	kW	T j = - 7 °C	COPd	3,29] -	
T j = + 2 °C	Pdh	13,9	kW	T j = +2 °C	COPd	3,68	1 -	
T j = + 7 °C	Pdh	14,2	kW	T j = +7 °C	COPd	4,03	1 -	
T j = + 12 °C	Pdh	14,4	kW	T j = +12 °C	COPd	4,37] -	
T j = bivalent temperature	Pdh	13,6	kW	T j = bivalent temperature	COPd	3,34	-	
T j = operation limit temperature	Pdh	na	kW	T j = operation limit temperature	COPd	na	-	
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = - 15 °C (if TOL < - 20 °C)	COPd	na	-	
Bivalent temperature	T _{biv}	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P _{cych}	na	kW	Cycling interval efficiency	СОРсус	na	-	
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes of	other than active	mode		Supplementary heater				
Off mode	P OFF	0,018	kW	Rated heat output	Psup	2,7	kW	
Thermostat-off mode	P _{TO}	0,032	kW	[]				
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	P _{CK}	0,000	kW					
Other items								
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h	
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q _{HE}	9158	kWh	flow rate, outdoor heat exchanger	-	3,0	m3/h	
For heat pump combination he	eater:							
Declared load profile /		na		Water heating energy	$\eta_{\sf wh}$	na	%	
Energy efficiency class			1	efficiency	· iwn	110] ~	
Daily electricity consumption	Qelec	na	kWh	Daily fuel consumption	Qfuel	na	kWh	
Annual electricity consumption	AEC	na	kWh	Annual fuel consumption	AFC	na	GJ	
Specific precautions and end of life information:		end of the product'	s life cycle, it mus e product's refrige	recycling station or with the installation engine be sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic ec not permitted.	offering a servi	ce of that type. t	is of great	

Enertech AB Average climate and Low temperature 341 26 Ljungby



Model(s):	CTC EcoPart 414 + CTC Basicstyrning					
Air-to-water heat pump:	No	Energy efficiency class:	A++	-		
Water-to-water heat pump:	No	Controller class:	I	-		
Brine-to-water heat pump:	Yes	Controller contribution:	1	%		
Low-temperature heat pump:	No	Package efficiency:	175	%		
Equipped with a supplementary heater:	No	Package efficiency class:	A+++	-		
Heat pump combination heater:	No					

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	16	kW	Seasonal space heating energy efficiency	η_{s}	174	%	
Declared capacity for heating for outdoor temperature T j	or part load at in	door temperatu	re 20 °C and	Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature				
T j = -7 °C	Pdh	14,6	kW	T j = - 7 °C	COPd	4,64] -	
T j = + 2 °C	Pdh	14,7	kW	T j = +2 °C	COPd	4,81	-	
T j = + 7 °C	Pdh	14,8	kW	T j = +7 °C	COPd	4,97	-	
T j = + 12 °C	Pdh	14,9	kW	T j = +12 °C	COPd	5,13	-	
T j = bivalent temperature	Pdh	14,6	kW	T j = bivalent temperature	COPd	4,64	-	
T j = operation limit temperature	Pdh	na	kW	T j = operation limit temperature	COPd	na	-	
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-	
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P _{cych}	na	kW	Cycling interval efficiency	СОРсус	na	-	
Degradation co-efficient	Cdh	0,96	-	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes of	ther than active	mode	•	Supplementary heater			•	
Off mode	P OFF	0,018	kW	Rated heat output	Psup	2,0	kW	
Thermostat-off mode	P _{TO}	0,097	kW	[]			•	
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	P _{CK}	0,000	kW					
Other items		,	!					
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h	
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q _{HE}	7467	kWh	flow rate, outdoor heat exchanger	-	3,6	m3/h	
For heat pump combination he	ater:							
Declared load profile /		na		Water heating energy	$\eta_{\sf wh}$	na	%	
Energy efficiency class		1	1	efficiency	· iwn	110	/	
Daily electricity consumption	Qelec	na	kWh	Daily fuel consumption	Qfuel	na	kWh	
Annual electricity consumption	AEC	na	kWh	Annual fuel consumption	AFC	na	GJ	
Specific precautions and end of life information:		end of the product'	s life cycle, it mus e product's refrige	recycling station or with the installation engine t be sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic ec	offering a servic	e of that type. t i	s of great	



Information for heat pump sp Cold climate and Medium te		heaters	Enertech AB 341 26 Ljungby		HC		
Model(s):	прегасате	CTC EcoPart 41	14 + CTC Basics	styrning	3 11 20 Lju	11607	
Air-to-water heat pump:		No		Energy efficiency class:		-	
Water-to-water heat pump:		No		Controller class:	T	-	
Brine-to-water heat pump:		Yes		Controller contribution:	1 %		
Low-temperature heat pump:		No		Package efficiency:	141		
Equipped with a supplementary	heater:	No		Package efficiency class:		-	
Heat pump combination heater	:	No					
	•		ion, except for	r low-temperature heat pumps. For	low- tempera	ture heat pu	mps,
parameters shall be declared fo	-						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15	kW	Seasonal space heating energy efficiency	$\eta_{\rm S}$	140	%
Declared capacity for heating fo outdoor temperature T j	r part load at ind	door temperatu	re 20 °C and	Declared coefficient of performa part load at indoor temperature			
T j = -7 °C	Pdh	13,8	kW	T j = - 7 °C	COPd	3,59] -
T j = + 2 °C	Pdh	14,1	kW	T j = +2 °C	COPd	3,94	1 -
T j = + 7 °C	Pdh	14,3	kW	T j = +7 °C	COPd	4,26] -
T j = + 12 °C	Pdh	14,5	kW	T j = +12 °C	COPd	4,49	-
T j = bivalent temperature	Pdh	13,6	kW	T j = bivalent temperature	COPd	3,28	-
T j = operation limit temperature	Pdh	na	kW	T j = operation limit temperature	COPd	na	-
For air-to-water heat pumps: T j = - 15 °C (if TOL < - 20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	-18	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P _{cych}	na	kW	Cycling interval efficiency	СОРсус	na	_
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes o	ther than active	mode	_	Supplementary heater			
Off mode	P OFF	0,018	kW	Rated heat output	Psup	1,7	kW
Thermostat-off mode	P _{TO}	0,032	kW			·	-
Standby mode	P_{SB}	0,018	kW	Type of energy input	Electric		
Crankcase heater mode	P _{CK}	0,000	kW				
Other items					,		
Γ				1			1
				For air-to-water heat pumps:		Ī	

Fixed Capacity control Sound power level, indoors/ L_{WA} 53/na dΒ outdoors 10139 kWh Annual energy consumption Q_{HE}

For air-to-water heat pumps: na m3/h Rated air flow rate, outdoors For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat 3,0 m3/h <u>exchanger</u>

For heat pump combination heater:

Declared load profile / Energy efficiency class	na			Water heating energy efficiency	$\eta_{\sf wh}$	na	%
Daily electricity consumption	Qelec	na	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	na	kWh	Annual fuel consumption	AFC	na	GJ

Specific precautions and end of life information:

The packaging must be deposited at a recycling station or with the installation engineer for correct waste management. At the end of the product's life cycle, it must be sent correctly to a waste station or reseller offering a service of that type. t is of great $importance\ that\ the\ product's\ refrigerant,\ compressor\ oil\ and\ electrical/electronic\ equipment\ are\ properly\ disposed\ of.\ Disposing\ properly\ disposed\ properly\ disposed\ of.\ Disposing\ properly\ disposed\ properly\ properly\ disposed\ properly\ p$ of the product as household waste is not permitted.

Enertech AB, Box 309, SE-341 26 Ljungby Tel +46 372 88000

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Information for heat pump space heaters and heat pump combination heaters **Cold climate and Low temperature**

Enertech AB 341 26 Ljungby



Model(s):	CTC EcoPart 414 + CTC Basicstyrning					
Air-to-water heat pump:	No	Energy efficiency class:		-		
Water-to-water heat pump:	No	Controller class:	I	-		
Brine-to-water heat pump:	Yes	Controller contribution:	1	%		
Low-temperature heat pump:	No	Package efficiency:	177	%		
Equipped with a supplementary heater:	No	Package efficiency class:		-		
Heat pump combination heater:	No					

Rated heat output (*)	5						
	Prated	16	kW	Seasonal space heating energy efficiency	η_s	176	%
Declared capacity for heating fo	or part load at in	door temperatur	e 20 °C and	Declared coefficient of performan	nce or prima	ry energy rat	io for
outdoor temperature T j				part load at indoor temperature 20 °C and outdoor temperature			
T j = - 7 °C	Pdh	14,7	kW	T j = -7 °C	COPd	4,84] -
T j = + 2 °C	Pdh	14,8	kW	T j = +2 °C	COPd	4,98	-
T j = + 7 °C	Pdh	14,9	kW	T j = +7 °C	COPd	5,08	-
T j = + 12 °C	Pdh	14,9	kW	T j = +12 °C	COPd	5,11	-
T j = bivalent temperature	Pdh	14,6	kW	T j = bivalent temperature	COPd	4,67	-
T j = operation limit temperature	Pdh	na	kW	T j = operation limit temperature	COPd	na	-
For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	Pdh	na	kW	For air-to-water heat pumps: T j = -15 °C (if TOL < -20 °C)	COPd	na	-
Bivalent temperature	T _{biv}	-18	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P cych	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,96	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes o	ther than active	mode		Supplementary heater			
Off mode	P OFF	0,018	kW	Rated heat output	Psup	1,8	kW
Thermostat-off mode	P _{TO}	0,097	kW				
Standby mode	P_{SB}	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	P _{CK}	0,000	kW				
Other items							_
Capacity control		Fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	na	m3/h
Sound power level, indoors/ outdoors	L _{WA}	53/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q _{HE}	8758	kWh	flow rate, outdoor heat exchanger	-	3,6	m3/h
For heat pump combination hea	ater:	-	-	· · · · · · · · · · · · · · · · · · ·		-	-
Declared load profile /		na		Water heating energy	n	no	%
Energy efficiency class		ııa	1	efficiency	$\eta_{\sf wh}$	na	J 70
Daily electricity consumption	Qelec	na	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	na	kWh	Annual fuel consumption	AFC	na	GJ
Specific precautions and end of life information:		end of the product's	s life cycle, it must product's refrige pusehold waste is		offering a servic	e of that type. t i	s of great