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



Model(s):		CTC EcoPart 40	6 + CTC EcoLo	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:	132	%		
Equipped with a supplementa	ry heater:	No		Package efficiency class:		-		
Heat pump combination heat	er:	No						
Parameters shall be declared	for medium-temp	erature applicat	ion, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pu	mps,	
parameters shall be declared	for low-temperation	are application.					<u> </u>	
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	efficiency	η <sub>s</sub>	128	%	
Declared capacity for heating outdoor temperature T j	for 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				
T j = – 7 °C	Pdh	na	kW	T j = – 7 °C	COPd	na	-	
T j = + 2 °C	Pdh	5,2	kW	T j = +2 °C	COPd	2,91	-	
$I_{j} = + / C_{j}$	Pan Dah	5,4	KVV	$  j = +/^{2}C$	COPa	3,31	-	
1 J = + 12 C	Pun	5,7	ĸvv	i j = +12 C	СОРи	4,02	-	
T j = bivalent temperature	Pdh	5,2	kW	T j = bivalent temperature	COPd	3,02	-	
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 <sub>biv</sub>	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	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 <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,5	kW	
Thermostat-off mode	P <sub>TO</sub>	0,003	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	2209	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination h	eater:							
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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 end of the product' importance that the of the product as he	t be deposited at s life cycle, it mus e product's refrige ousehold waste is	a recycling station or with the installation engin at be sent correctly to a waste station or reselle erant, compressor oil and electrical/electronic en not permitted.	neer for correct w r offering a servic equipment are pr	vaste managemer ce of that type. t operly disposed o	nt. At the s of great of. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +	46 372 88000 www.ctc.se			181001	

# Information for heat pump space heaters and heat pump combination heaters Warm climate and Low temperature



Model(s):		CTC EcoPart 40	6 + CTC EcoLo	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:	179	%		
Equipped with a supplementa	ry heater:	No		Package efficiency class:		-		
Heat pump combination heate	er:	No						
Parameters shall be declared	for medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pui	nps,	
parameters shall be declared	for low-temperatu	ure application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	176	%	
Declared capacity for heating outdoor temperature T j	for 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				
T j = – 7 °C	Pdh	na	kW	T j = - 7 °C	COPd	na	-	
T j = + 2 °C	Pdh Ddh	5,9	kW	T j = +2 °C T i = +7 °C	COPd	4,57	-	
$I_{j} = + 7 C$ $T_{i} = + 12 °C$	Pun Pdh	6,0		$T_{i} = +12 $ °C	COPU	4,82 E 12	-	
1 J = + 12 C	Full	0,1	K V V	1 ] - +12 C	COFU	5,12	-	
T j = bivalent temperature	Pdh	5,9	kW	T j = bivalent temperature	COPd	4,65	-	
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 <sub>biv</sub>	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-	
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes	other than active	mode	1	Supplementary heater			i	
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,5	kW	
Thermostat-off mode	Р <sub>то</sub>	0,005	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	1860	kWh	flow rate, outdoor heat	-	1,5	m3/h	
For heat pump combination h	eater:							
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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 end of the product's importance that the of the product as he	be deposited at s life cycle, it mus product's refrige pusehold waste is	a recycling station or with the installation engir it be sent correctly to a waste station or reselle erant, compressor oil and electrical/electronic e not permitted.	neer for correct w r offering a servic equipment are pr	vaste managemer se of that type. t i operly disposed o	it. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +	46 372 88000 www.ctc.se			181001	

#### Information for heat pump space heaters and heat pump combination heaters Average climate and Medium temperature



Model(s):		CTC EcoPart 40	6 + CTC EcoLo	ogic				
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:	134	%		
Equipped with a supplementar	ry heater:	No		Package efficiency class:	A++	-		
Heat pump combination heate	er:	No						
Parameters shall be declared f	or medium-tempe	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	ture heat pur	nps,	
parameters shall be declared f	or low-temperatu	re application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	130	%	
Declared capacity for heating four devices outdoor temperature T j	or part load at ind	door temperatur	e 20 °C and	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	Pdh	5,3	kW	T j = – 7 °C	COPd	3,10	-	
T j = + 2 °C	Pdh	5,5	kW	T j = +2 °C	COPd	3,52	-	
1 j = + / C	Pah	5,6	KW	$  _{J} = +/ C$	COPa	3,91	-	
j = +12°C	Pah	5,8	KW	J = +12 °C	СОРа	4,32	-	
T j = bivalent temperature	Pdh	5,3	kW	T j = bivalent temperature	COPd	3,16	-	
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 <sub>biv</sub>	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	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 <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	1,1	kW	
Thermostat-off mode	P <sub>TO</sub>	0,003	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	3743	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination he	eater:							
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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 end of the product's importance that the of the product as he	be deposited at a s life cycle, it mus product's refrige pusehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rant, compressor oil and electrical/electronic e not permitted.	eer for correct w r offering a servic equipment are pr	vaste managemen se of that type. t is operly disposed o	t. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26 I	Ljungby Tel +4	46 372 88000 www.ctc.se			181001	

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



Model(s):		CTC EcoPart 40	6 + CTC EcoLo	ogic				
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:	183	%		
Equipped with a supplementa	ry heater:	No		Package efficiency class:	A+++	-		
Heat pump combination heate	er:	No						
Parameters shall be declared f	or medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pui	nps,	
parameters shall be declared	for low-temperatu	ire application.					<u> </u>	
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	n <sub>s</sub>	179	%	
Declared capacity for heating outdoor temperature T j	for part load at in	door temperatur	e 20 °C and	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	Pdh	5,9	kW	T j = – 7 °C	COPd	4,67	-	
T j = + 2 °C	Pdh	6,0	kW	T j = +2 °C	COPd	4,88	-	
i j = + 7 C	Pan	6,1	K VV	I = +7 C	COPa	5,06	-	
1 J = + 12 C	Pull	0,2	ĸvv	1 J - +12 C	COPU	5,25	-	
T j = bivalent temperature	Pdh	5,9	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 <sub>biv</sub>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-	
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes	other than active	mode		Supplementary heater				
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,8	kW	
Thermostat-off mode	P <sub>TO</sub>	0,005	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>ск</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	2967	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination h	eater:							
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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 end of the product's importance that the of the product as he	be deposited at s life cycle, it mus product's refrige pusehold waste is	a recycling station or with the installation engir it be sent correctly to a waste station or reselle erant, compressor oil and electrical/electronic e not permitted.	neer for correct w r offering a servio equipment are pr	vaste managemer ce of that type. t i operly disposed o	t. At the s of great f. Disposing	
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# Information for heat pump space heaters and heat pump combination heaters **Cold climate and Medium temperature**



Model(s):		CTC EcoPart 40	6 + CTC EcoLo	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:	137	%		
Equipped with a supplementa	ry heater:	No		Package efficiency class:		-		
Heat pump combination heate	er:	No						
Parameters shall be declared f	for medium-tempe	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pui	nps,	
parameters shall be declared f	for low-temperatu	re application.					<u> </u>	
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	n <sub>s</sub>	133	%	
Declared capacity for heating outdoor temperature T j	for part load at ind	door temperatur	e 20 °C and	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	Pdh	5,4	kW	T j = – 7 °C	COPd	3,42	-	
T j = + 2 °C	Pdh	5,6	kW	T j = +2 °C	COPd	3,82	-	
$T_j = +7 °C$	Pdh	5,7	kW	T j = +7 °C	COPd	4,19	-	
T j = + 12 °C	Pdh	5,9	kW	T j = +12 °C	COPd	4,46	-	
T j = bivalent temperature	Pdh	5,3	kW	T j = bivalent temperature	COPd	3,09	-	
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 <sub>biv</sub>	-18	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	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			i	
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,7	kW	
Thermostat-off mode	Р <sub>то</sub>	0,003	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	4107	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination he	eater:			· · · ·				
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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 end of the product's importance that the of the product as ho	be deposited at a s life cycle, it mus product's refrige pusehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rant, compressor oil and electrical/electronic en not permitted.	neer for correct w r offering a servic equipment are pr	vaste managemer ce of that type. t i operly disposed c	t. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001	

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



Model(s):		CTC EcoPart 40	6 + 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:	187	%		
Equipped with a supplementa	ry heater:	No		Package efficiency class:		-		
Heat pump combination heate	er:	No						
Parameters shall be declared f	or medium-temp	erature applicati	on, except for	r low-temperature heat pumps. For	low- tempera	ture heat pur	nps,	
parameters shall be declared f	for low-temperatu	re application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	n <sub>s</sub>	183	%	
Declared capacity for heating outdoor temperature T j	for part load at ind	door temperatur	e 20 °C and	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	Pdh	6,0	kW	T j = – 7 °C	COPd	4,9	-	
T j = + 2 °C	Pdh	6,1	kW	T j = +2 °C	COPd	5,07	-	
j = + / C	Pdh	6,1	kW	J = +/°C	COPd	2,2	-	
j = +12°C	Pan	6,2	KW	1 J = +12 °C	СОРа	5,22	-	
T j = bivalent temperature	Pdh	5,9	kW	T j = bivalent temperature	COPd	4,67	-	
t j = operation limit temperature	Pdh	na	kW	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 <sub>biv</sub>	-20	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-	
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes	other than active	mode		Supplementary heater				
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,5	kW	
Thermostat-off mode	Р <sub>то</sub>	0,005	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	3332	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination h	eater:							
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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:		Ine packaging must end of the product's importance that the of the product as ho	be deposited at a life cycle, it mus product's refrige usehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rant, compressor oil and electrical/electronic e not permitted.	eer for correct w r offering a servic equipment are pro	aste managemen e of that type. t is operly disposed o	t. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26 L	jungby Tel +4	46 372 88000 www.ctc.se			181001	

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



	•				-		
Model(s):		CTC EcoPart 40	06 + CTC EcoZe	enith i350/ i350F			
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:	132	%	
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:		-	
Heat pump combination heat	er:	Yes					
Parameters shall be declared	for medium-temp	erature applicat	tion, except fo	r low-temperature heat pumps. For	low- tempera	ature heat pu	nps,
parameters shall be declared	for low-temperation	are application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	n <sub>s</sub>	128	%
Declared capacity for heating outdoor temperature T j	for part load at in	door temperatu	ire 20 °C and	Declared coefficient of performa part load at indoor temperature	nce or prima 20 °C and ou	iry energy rat itdoor temper	o for ature T j
T j = – 7 °C	Pdh	na	kW	T j = – 7 °C	COPd	na	-
T j = + 2 °C	Pdh	5,2	kW	T j = +2 °C	COPd	2,91	-
T j = + 7 °C	Pdh	5,4	kW	T j = +7 °C	COPd	3,31	-
T j = + 12 °C	Pdh	5,7	kW	T j = +12 °C	COPd	4,02	-
T j = bivalent temperature	Pdh	5,2	kW	T j = bivalent temperature	COPd	3,02	-
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 <sub>biv</sub>	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	other than active	mode	-	Supplementary heater		-	
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,5	kW
Thermostat-off mode	Р <sub>то</sub>	0,003	kW				
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	Р <sub>ск</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q <sub>HE</sub>	2209	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h
For heat pump combination h	eater:						
Declared load profile/		XI / A		Water heating energy	nt	104	%
Energy efficiency class		,	1	efficiency	· Iwn		,,,
Daily electricity consumption	Qelec	7,335	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	1614	kWh	Annual fuel consumption	AFC	na	GJ
Specific precautions and end of life information:		The packaging mus end of the product importance that th of the product as h	st be deposited at a 's life cycle, it mus le product's refrige lousehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rrant, compressor oil and electrical/electronic of not permitted.	neer for correct v r offering a servio equipment are pr	vaste managemer ce of that type. t i operly disposed o	ιτ. At the s of great of. Disposing
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#### Information for heat pump space heaters and heat pump combination heaters **Warm climate and Low temperature**



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Model(s):		CTC EcoPart 40	)6 + CTC EcoZe	enith i350/ i350F			
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 supplementa	ry heater:	Yes		Package efficiency class:		-	
Heat pump combination heat	er:	Yes					
Parameters shall be declared	for medium-temp	erature applicat	ion, except fo	r low-temperature heat pumps. For	low- temper	ature heat pu	mps,
parameters shall be declared	for low-temperatu	ure application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	176	%
Declared capacity for heating outdoor temperature T j	for part load at in	door temperatu	re 20 °C and	Declared coefficient of performa part load at indoor temperature	ance or prima 20 °C and ou	ary energy rat utdoor tempe	io for rature T j
T j = – 7 °C	Pdh	na	kW	T j = – 7 °C	COPd	na	- [
T j = + 2 °C	Pdh	5,9	kW	T j = +2 °C	COPd	4,57	-
T j = + 7 °C	Pdh	6,0	kW	T j = +7 °C	COPd	4,82	-
T j = + 12 °C	Pdh	6,1	kW	T j = +12 °C	COPd	5,12	-
T j = bivalent temperature	Pdh	5,9	kW	T j = bivalent temperature	COPd	4,65	-
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 <sub>biv</sub>	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes	other than active	mode		Supplementary heater			-
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,5	kW
Thermostat-off mode	Р <sub>то</sub>	0,005	kW				
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q <sub>HE</sub>	1860	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h
For heat pump combination h	eater:						
Declared load profile/		XL / A		Water heating energy	n <sub>wh</sub>	104	%
Energy efficiency class			1	efficiency	· Iwn		
Daily electricity consumption	Qelec	7,335	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	1614	kWh	Annual fuel consumption	AFC	na	GJ
Specific precautions and end of life information:		The packaging mus end of the product importance that th of the product as h	t be deposited at a 's life cycle, it mus e product's refrige ousehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle erant, compressor oil and electrical/electronic of not permitted.	neer for correct of r offering a servi equipment are p	waste managemen ice of that type. t roperly disposed o	nt. At the is of great of. Disposing
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001

#### Information for heat pump space heaters and heat pump combination heaters Average climate and Medium temperature



Model(s):		CTC EcoPart 40	6 + CTC EcoZe	enith i350/ i350F				
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:	134	%		
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:	A++	-	,	
Heat pump combination heate	er:	Yes					<u> </u>	
Parameters shall be declared f	or medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pur	nps,	
parameters shall be declared f	for low-temperatu	re application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	n <sub>s</sub>	130	%	
Declared capacity for heating outdoor temperature T j	for part load at ind	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				
T j = – 7 °C	Pdh	5,3	kW	T j = – 7 °C	COPd	3,10	-	
T j = + 2 °C	Pdh	5,5	kW	T j = +2 °C	COPd	3,52	-	
J = + / C	Pdh	5,6	kW	J = +/ C	COPd	3,91	-	
T j = + 12 °C	Pdh	5,8	kW	T j = +12 °C	COPd	4,32	-	
T j = bivalent temperature	Pdh	5,3	kW	T j = bivalent temperature	COPd	3,16	-	
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 <sub>biv</sub>	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	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 <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	1,1	kW	
Thermostat-off mode	P <sub>TO</sub>	0,003	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>ск</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	3743	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination h	eater:			· · ·				
Declared load profile/		XL/A		Water heating energy	n <sub>b</sub>	104	%	
Energy efficiency class		,		efficiency	- IW(I			
Daily electricity consumption	Qelec	7,335	kWh	Daily fuel consumption	Qfuel	na	kWh	
Annual electricity consumption	AEC	1614	kWh	Annual fuel consumption	AFC	na	GJ	
Specific precautions and end of life information:		The packaging must end of the product's importance that the of the product as he	be deposited at s life cycle, it mus product's refrige pusehold waste is	a recycling station or with the installation engir t be sent correctly to a waste station or reselle rrant, compressor oil and electrical/electronic e not permitted.	eer for correct w r offering a servio equipment are pr	vaste managemen ce of that type. t i operly disposed o	t. At the s of great f. Disposing	
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#### Information for heat pump space heaters and heat pump combination heaters Average climate and Low temperature



Average children and Low C	emperature				9 11 20 Ejai	18~1	
Model(s):		CTC EcoPart 40	)6 + CTC EcoZe	enith i350/ i350F			
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:	183	%	
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:	A+++	-	
Heat pump combination heat	er:	Yes					
Parameters shall be declared	for medium-temp	erature applicat	ion, except fo	r low-temperature heat pumps. For	low- tempera	ature heat pu	mps,
parameters shall be declared	for low-temperatu	ire application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	179	%
Declared capacity for heating outdoor temperature T j	for part load at ind	door temperatu	re 20 °C and	Declared coefficient of performa part load at indoor temperature	ance or prima 20 °C and ou	iry energy rat itdoor tempe	io for rature T j
T j = – 7 °C	Pdh	5,9	kW	T j = – 7 °C	COPd	4,67	- 1
T j = + 2 °C	Pdh	6,0	kW	T j = +2 °C	COPd	4,88	-
T j = + 7 °C	Pdh	6,1	kW	T j = +7 °C	COPd	5,06	-
T j = + 12 °C	Pdh	6,2	kW	T j = +12 °C	COPd	5,25	-
T j = bivalent temperature	Pdh	5,9	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 <sub>biv</sub>	-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	0,98	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes	other than active	mode	-	Supplementary heater			
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,8	kW
Thermostat-off mode	P <sub>TO</sub>	0,005	kW				
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	Р <sub>ск</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q <sub>HE</sub>	2967	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h
For heat pump combination h	eater:						
Declared load profile/		XL/A		Water heating energy	$\eta_{wh}$	104	%
Energy efficiency class			r	efficiency			
Daily electricity consumption	Qelec	7,335	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	1614	kWh	Annual fuel consumption	AFC	na	GJ
Specific precautions and end of life information:		The packaging musion of the product importance that the of the product as h	t be deposited at a 's life cycle, it mus e product's refrige ousehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rrant, compressor oil and electrical/electronic e not permitted.	neer for correct v r offering a servi equipment are pr	vaste managemen ce of that type. t operly disposed o	nt. At the is of great of. Disposing
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001

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



Model(s):		CTC EcoPart 40	6 + CTC EcoZe	enith i350/ i350F				
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:	137	%		
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:		-		
Heat pump combination heat	er:	Yes						
Parameters shall be declared	for medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	ature heat pui	nps,	
parameters shall be declared	for low-temperatu	re application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	133	%	
Declared capacity for heating outdoor temperature T j	for 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				
T j = – 7 °C	Pdh	5,4	kW	T j = – 7 °C	COPd	3,42	-	
T j = + 2 °C	Pdh	5,6	kW	T j = +2 °C	COPd	3,82	-	
j = + / C	Pan	5,7	KW	j = +/ °C	COPd	4,19	-	
1 J = + 12 C	Pan	5,9	KVV	I J = +12 °C	СОРа	4,46	-	
T j = bivalent temperature	Pdh	5,3	kW	T j = bivalent temperature	COPd	3,09	-	
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 <sub>biv</sub>	-18	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	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 <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,7	kW	
Thermostat-off mode	Рто	0,003	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	4107	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination h	eater:			<b></b>				
Declared load profile/		XL / A		Water heating energy	n <sub>wh</sub>	104	%	
Energy efficiency class		-		efficiency				
Daily electricity consumption	Qelec	7,335	kWh	Daily fuel consumption	Qfuel	na	kWh	
Annual electricity consumption	AEC	1614	kWh	Annual fuel consumption	AFC	na	GJ	
Specific precautions and end of life information:		The packaging must end of the product's importance that the of the product as he	be deposited at s life cycle, it mus e product's refrige pusehold waste is	a recycling station or with the installation engir it be sent correctly to a waste station or reselle erant, compressor oil and electrical/electronic e not permitted.	neer for correct w r offering a servic equipment are pr	vaste managemer ce of that type. t i operly disposed c	t. At the s of great f. Disposing	
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#### Information for heat pump space heaters and heat pump combination heaters **Cold climate and Low temperature**



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Model(s):		CTC EcoPart 40	06 + CTC EcoZe	enith i350/ i350F			
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:	187	%	
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:		-	
Heat pump combination heat	er:	Yes					
Parameters shall be declared	for medium-temp	erature applicat	ion, except for	r low-temperature heat pumps. For	low- tempera	ature heat pu	mps,
parameters shall be declared	for low-temperatu	are application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	183	%
Declared capacity for heating outdoor temperature T j	for part load at in	door temperatu	re 20 °C and	Declared coefficient of performa part load at indoor temperature	ance or prima 20 °C and ou	ary energy rat Itdoor tempe	io for rature T j
T j = – 7 °C	Pdh	6,0	kW	T j = – 7 °C	COPd	4,9	-
T j = + 2 °C	Pdh	6,1	kW	T j = +2 °C	COPd	5,07	-
T j = + 7 °C	Pdh	6,1	kW	T j = +7 °C	COPd	2,2	-
T j = + 12 °C	Pdh	6,2	kW	T j = +12 °C	COPd	5,22	-
T j = bivalent temperature	Pdh	5,9	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 <sub>biv</sub>	-20	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes	other than active	mode	-	Supplementary heater			-
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,5	kW
Thermostat-off mode	P <sub>TO</sub>	0,005	kW				
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	Р <sub>ск</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q <sub>HE</sub>	3332	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h
For heat pump combination h	eater:						
Declared load profile/		XL / A		Water heating energy	n <sub>wb</sub>	104	%
Energy efficiency class	ļ	,	r	efficiency	10011		-
Daily electricity consumption	Qelec	7,335	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	1614	kWh	Annual fuel consumption	AFC	na	GJ
Specific precautions and end of life information:		The packaging must end of the product' importance that the of the product as he	t be deposited at a 's life cycle, it must e product's refrige ousehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rant, compressor oil and electrical/electronic e not permitted.	neer for correct w r offering a servio equipment are pr	vaste managemer ce of that type. t i operly disposed o	nt. At the is of great of. Disposing
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# Information for heat pump space heaters and heat pump combination heaters Warm climate and Medium temperature



Model(s):	-	CTC EcoPart 40	)6 + CTC EcoZe	enith 250			
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:	123	%	
Equipped with a supplementa	rv heater:	Yes		Package efficiency class:		-	
Heat pump combination heate	er:	Yes					
Parameters shall be declared f	for medium-temp	erature applicat	ion, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pui	nps,
parameters shall be declared f	for low-temperati	ure application.	-		-	-	·
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	119	%
Declared capacity for heating outdoor temperature T j	for part load at in	door temperatu	re 20 °C and	Declared coefficient of performa part load at indoor temperature	ince or prima 20 °C and ou	ry energy rati tdoor temper	o for ature T j
T j = – 7 °C	Pdh	na	kW	T j = – 7 °C	COPd	na	-
T j = + 2 °C	Pdh	5,2	kW	T j = +2 °C	COPd	2,72	-
T j = + 7 °C	Pdh	5,4	kW	T j = +7 °C	COPd	3,11	-
T j = + 12 °C	Pdh	5,7	kW	T j = +12 °C	COPd	3,76	-
T j = bivalent temperature	Pdh	5,3	kW	T j = bivalent temperature	COPd	2,83	-
T j = operation limit temperature	Pdh	5,2	kW	T j = operation limit temperature	COPd	2,72	-
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 <sub>biv</sub>	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes	other than active	mode	-	Supplementary heater			
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,4	kW
Thermostat-off mode	Р <sub>то</sub>	0,010	kW				
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q <sub>HE</sub>	2382	kWh	flow rate, outdoor heat exchanger	-	1	m3/h
For heat pump combination h	eater:		<u>.</u>				<u></u>
Declared load profile/		1/A		Water heating energy	n.	79	0/
Energy efficiency class		-78	r	efficiency	' Iwh	70	70
Daily electricity consumption	Qelec	5,985	kWh	Daily fuel consumption	Qfuel	NA	kWh
Annual electricity consumption	AEC	1317	kWh	Annual fuel consumption	AFC	NA	GJ
Specific precautions and end of life information:		The packaging mus end of the product importance that the of the product as h	t be deposited at a 's life cycle, it mus e product's refrige ousehold waste is	a recycling station or with the installation engin it be sent correctly to a waste station or reselle erant, compressor oil and electrical/electronic e not permitted.	neer for correct w r offering a servic equipment are pr	vaste managemer ce of that type. t i operly disposed c	at. At the s of great of. Disposing
Contact details	Enertech AB, Box	( 309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001

# Information for heat pump space heaters and heat pump combination heaters Warm climate and Low temperature



Model(s):		CTC EcoPart 40	6 + CTC EcoZe	enith 250			
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:	161	%	
Equipped with a supplementar	ry heater:	Yes		Package efficiency class:		-	,
Heat pump combination heate	er:	Yes					
Parameters shall be declared f	or medium-temp	erature applicat	ion, except fo	r low-temperature heat pumps. For	low- tempera	ature heat pu	nps,
parameters shall be declared f	or low-temperati	ure application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	157	%
Declared capacity for heating to outdoor temperature T j	for part load at in	door temperatu	re 20 °C and	Declared coefficient of performa part load at indoor temperature	ince or prima 20 °C and ou	ry energy rati tdoor temper	o for ature T j
T j = – 7 °C	Pdh	na	kW	T j = – 7 °C	COPd	na	-
T j = + 2 °C	Pdh	5,9	kW	T j = +2 °C	COPd	4,23	-
T j = +7 °C	Pdh	6,0	kW	T j = +7 °C	COPd	4,45	-
T j = + 12 °C	Pdh	6,2	kW	T j = +12 °C	COPd	4,71	-
T j = bivalent temperature	Pdh	5,9	kW	T j = bivalent temperature	COPd	4,30	-
T j = operation limit temperature	Pdh	5,9	kW	T j = operation limit temperature	COPd	4,23	-
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 <sub>biv</sub>	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,97	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes	other than active	mode		Supplementary heater			
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,5	kW
Thermostat-off mode	Р <sub>то</sub>	0,027	kW				
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q <sub>HE</sub>	2073	kWh	flow rate, outdoor heat exchanger	-	1,4	m3/h
For heat pump combination he	eater:		<b>.</b>			•	
Declared load profile/		ι / Δ		Water heating energy	n,	79	0/_
Energy efficiency class		L/ A		efficiency	' Iwh	70	70
Daily electricity consumption	Qelec	5,977	kWh	Daily fuel consumption	Qfuel	na	kWh
Annual electricity consumption	AEC	1315	kWh	Annual fuel consumption	AFC	na	GJ
Specific precautions and end of life information:		The packaging must end of the product' importance that the of the product as he	t be deposited at a s life cycle, it mus e product's refrige pusehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle erant, compressor oil and electrical/electronic e not permitted.	ieer for correct w r offering a servic equipment are pr	vaste managemer ce of that type. t i operly disposed c	t. At the s of great f. Disposing
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001

#### Information for heat pump space heaters and heat pump combination heaters Average climate and Medium temperature



Model(s):		CTC EcoPart 40	6 + CTC EcoZe	enith 250				
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:	123	%		
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:	A+	-		
Heat pump combination heat	er:	Yes						
Parameters shall be declared	for medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pur	nps,	
parameters shall be declared	for low-temperatu	ire application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	n <sub>s</sub>	119	%	
Declared capacity for heating outdoor temperature T j	for part load at in	door temperatur	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				
T j = – 7 °C	Pdh	5,3	kW	T j = – 7 °C	COPd	2,90	-	
T j = + 2 °C	Pdh	5,4	kW	T j = +2 °C	COPd	3,32	-	
$T_j = +7 °C$	Pdh	5,6	kW	T j = +7 °C	COPd	3,66	-	
1 j = + 12 °C	Pan	5,8	KW	$I_{J} = +12$ °C	СОРа	4,01	-	
T j = bivalent temperature	Pdh	5,2	kW	T j = bivalent temperature	COPd	2,96	-	
I J = operation limit temperature	Pdh	5,2	kW	temperature	COPd	2,72	-	
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 <sub>biv</sub>	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-	
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes	other than active	mode	L	Supplementary heater			l I	
Off mode	P <sub>OFF</sub>	0,18	kW	Rated heat output	Psup	1,1	kW	
Thermostat-off mode	P <sub>TO</sub>	0,010	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	4006	kWh	flow rate, outdoor heat exchanger	-	1	m3/h	
For heat pump combination h	eater:							
Declared load profile/		L/A		Water heating energy	$\eta_{wh}$	78	%	
Energy efficiency class		-		efficiency				
Daily electricity consumption	Qelec	5,985	kWh	Daily fuel consumption	Qfuel	na	kWh	
Annual electricity consumption	AEC	<b>1317</b>	kWh	Annual fuel consumption	AFC	na	GJ	
Specific precautions and end of life information:		The packaging must end of the product's importance that the of the product as he	be deposited at a s life cycle, it mus product's refrige pusehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rant, compressor oil and electrical/electronic e not permitted.	eer for correct w r offering a servic equipment are pr	vaste managemen ee of that type. t i operly disposed o	t. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001	

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



Model(s):		CTC EcoPart 40	6 + CTC EcoZe	enith 250				
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:	166	%		
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:	A++	-	,	
Heat pump combination heate	er:	Yes						
Parameters shall be declared	for medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pui	nps,	
parameters shall be declared	for low-temperatu	re application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	162	%	
Declared capacity for heating outdoor temperature T j	for part load at in	door temperatur	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				
T j = – 7 °C	Pdh	6,0	kW	T j = – 7 °C	COPd	4,32	-	
T j = + 2 °C	Pdh	6,0	kW	T j = +2 °C	COPd	4,50	-	
T j = +7 °C	Pdh	6,1	kW	T j = +7 °C	COPd	4,66	-	
T j = + 12 °C	Pdh	6,2	kW	T j = +12 °C	COPd	4,83	-	
T j = bivalent temperature	Pdh	6,0	kW	T j = bivalent temperature	COPd	4,32	-	
T j = operation limit temperature	Pdh	5,9	kW	T j = operation limit temperature	COPd	4,23	-	
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 <sub>biv</sub>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-	
Degradation co-efficient	Cdh	0,97	-	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes	other than active	mode		Supplementary heater				
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,8	kW	
Thermostat-off mode	Р <sub>то</sub>	0,027	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	3281	kWh	flow rate, outdoor heat exchanger	-	1,4	m3/h	
For heat pump combination h	eater:			· · · · · · ·		•		
Declared load profile/		L/A		Water heating energy	n	78	%	
Energy efficiency class		-,		efficiency	· Iwn		70	
Daily electricity consumption	Qelec	5,985	kWh	Daily fuel consumption	Qfuel	na	kWh	
Annual electricity consumption	AEC	1317	kWh	Annual fuel consumption	AFC	na	GJ	
Specific precautions and end of life information:		The packaging must end of the product's importance that the of the product as he	be deposited at s life cycle, it mus product's refrige pusehold waste is	a recycling station or with the installation engir it be sent correctly to a waste station or reselle erant, compressor oil and electrical/electronic e not permitted.	neer for correct w r offering a servic equipment are pr	vaste managemer ce of that type. t i operly disposed c	t. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +	46 372 88000 www.ctc.se			181001	

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



Model(s):		CTC EcoPart 40	6 + CTC EcoZe	enith 250				
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 supplementa	ry heater:	Yes		Package efficiency class:		-		
Heat pump combination heate	er:	Yes						
Parameters shall be declared	for medium-tempe	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pur	nps,	
parameters shall be declared	for low-temperatu	re application.						
Item	Symbol	Value	Unit	ltem	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	124	%	
Declared capacity for heating outdoor temperature T j	for part load at ind	door temperatur	e 20 °C and	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	Pdh	5,4	kW	T j = – 7 °C	COPd	3,23	-	
T j = + 2 °C	Pdh	5,6	kW	T j = +2 °C	COPd	3,59	-	
$T_j = +7 °C$	Pdh	5,7	kW	T j = +7 °C	COPd	3,91	-	
J = +12 °C	Pdh	5,9	kW	I J = +12 °C	COPd	4,14	-	
T j = bivalent temperature	Pdh	5,3	kW	T j = bivalent temperature	COPd	2,94	-	
T j = operation limit temperature	Pdh	5,2	kW	T j = operation limit temperature	COPd	2,72	-	
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 <sub>biv</sub>	-17	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-	
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes	other than active	mode	1	Supplementary heater			i	
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,9	kW	
Thermostat-off mode	Р <sub>то</sub>	0,010	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	4560	kWh	flow rate, outdoor heat exchanger	-	1	m3/h	
For heat pump combination h	eater:							
Declared load profile/		L/A		Water heating energy	$\eta_{wh}$	78	%	
Energy efficiency class	1							
Daily electricity consumption	Qelec	5,985	kWh	Daily fuel consumption	Qfuel	na	kWh	
Annual electricity consumption	AEC	<b>1317</b>	kWh	Annual fuel consumption	AFC	na	GJ	
Specific precautions and end of life information:		The packaging must end of the product's importance that the of the product as ho	be deposited at a s life cycle, it mus product's refrige pusehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rant, compressor oil and electrical/electronic en not permitted.	neer for correct w r offering a servic equipment are pr	vaste managemen ce of that type. t i operly disposed o	it. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001	

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



Model(s):		CTC EcoPart 40	6 + CTC EcoZe	enith 250				
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:	168	%		
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:		-		
Heat pump combination heate	er:	Yes						
Parameters shall be declared	for medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For l	ow- tempera	ture heat pur	nps,	
parameters shall be declared	for low-temperatu	ire application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	164	%	
Declared capacity for heating outdoor temperature T j	for part load at ind	door temperatur	e 20 °C and	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	Pdh	6,1	kW	T j = – 7 °C	COPd	4,52	-	
T j = + 2 °C	Pdh	6,1	kW	T j = +2 °C	COPd	4,66	-	
$I_{j} = + / C_{j}$	Pah	6,2	KVV	$  J = +/^{2}C$	COPa	4,78	-	
1 J = + 12 C	Pan	6,2	KVV	1 J = +12 C	СОРа	4,80	-	
T j = bivalent temperature	Pdh	6,0	kW	T j = bivalent temperature	COPd	4,32	-	
I J = operation limit temperature	Pdh	5,9	kW	l j = operation limit temperature	COPd	4,23	-	
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 <sub>biv</sub>	-19	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-	
Degradation co-efficient	Cdh	0,97	-	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes	other than active	mode	L	Supplementary heater				
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,6	kW	
Thermostat-off mode	Р <sub>то</sub>	0,027	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	3709	kWh	flow rate, outdoor heat exchanger	-	1,4	m3/h	
For heat pump combination h	eater:							
Declared load profile/		L/A		Water heating energy	n <sub>wh</sub>	78	%	
Energy efficiency class		•		efficiency		_		
Daily electricity consumption	Qelec	5,985	kWh	Daily fuel consumption	Qfuel	na	kWh	
Annual electricity consumption	AEC	1317	kWh	Annual fuel consumption	AFC	na	GJ	
Specific precautions and end of life information:		The packaging must end of the product's importance that the of the product as ho	be deposited at a life cycle, it mus product's refrige usehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic e not permitted.	eer for correct w r offering a servic quipment are pro	aste managemen e of that type. t i operly disposed o	t. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26 I	jungby Tel +4	46 372 88000 www.ctc.se			181001	

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



Model(s):		CTC EcoPart 40	6 + CTC EcoZe	enith 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:	124	%		
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:		-	,	
Heat pump combination heat	er:	Yes					,	
Parameters shall be declared	for medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pui	nps,	
parameters shall be declared	for low-temperatu	ure application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	120	%	
Declared capacity for heating outdoor temperature T j	for 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				
T j = – 7 °C	Pdh	na	kW	T j = – 7 °C	COPd	na	-	
T j = + 2 °C	Pdh	5,2	kW	T j = +2 °C	COPd	2,72	-	
i j = + / C	Pan Bdh	5,4	K VV	J = +7 C	COPa	3,14	-	
1 J = + 12 C	Pan	5,7	KVV	1 J = +12 C	СОРа	3,78	-	
T j = bivalent temperature	Pdh	5,3	kW	T j = bivalent temperature	COPd	2,94	-	
I J = operation limit temperature	Pdh	5,2	kW	temperature	COPd	2,72	-	
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 <sub>biv</sub>	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	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 <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	1,0	kW	
Thermostat-off mode	Рто	0,005	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>ск</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	2585	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination h	eater:							
Declared load profile/		XL / A		Water heating energy	Nwh	92	%	
Energy efficiency class		,		efficiency	IWII		, -	
Daily electricity consumption	Qelec	8,273	kWh	Daily fuel consumption	Qfuel	NA	kWh	
Annual electricity consumption	AEC	1820	kWh	Annual fuel consumption	AFC	NA	GJ	
Specific precautions and end of life information:		The packaging must end of the product's importance that the of the product as he	be deposited at a s life cycle, it mus e product's refrige pusehold waste is	a recycling station or with the installation engir t be sent correctly to a waste station or reselle erant, compressor oil and electrical/electronic e not permitted.	neer for correct w r offering a servic equipment are pr	vaste managemer ce of that type. t i operly disposed c	t. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001	

#### Information for heat pump space heaters and heat pump combination heaters Warm climate and Low temperature



	iperature				541 20 Ljui	1971	
Model(s):		CTC EcoPart 40	06 + CTC EcoZe	enith 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:	162	%	
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:		-	
Heat pump combination heate	er:	Yes					
Parameters shall be declared to	for medium-temp	erature applicat	tion, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pu	mps,
parameters shall be declared	for low-temperate	ure application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	n <sub>s</sub>	158	%
Declared capacity for heating outdoor temperature T j	for part load at in	door temperatu	ire 20 °C and	Declared coefficient of performa part load at indoor temperature	ance or prima 20 °C and ou	ry energy rat tdoor tempe	io for rature T j
T j = – 7 °C	Pdh	na	kW	T j = – 7 °C	COPd	na	] -
T j = + 2 °C	Pdh	5,9	kW	T j = +2 °C	COPd	4,23	l -
T j = + 7 °C	Pdh	6,0	kW	T j = +7 °C	COPd	4,45	-
T j = + 12 °C	Pdh	6,2	kW	T j = +12 °C	COPd	4,71	-
T j = bivalent temperature	Pdh	5,9	kW	T j = bivalent temperature	COPd	4,30	-
T j = operation limit temperature	Pdh	5,9	kW	T j = operation limit temperature	COPd	4,23	-
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 <sub>biv</sub>	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,97	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes	other than active	mode	-	Supplementary heater			•
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,5	kW
Thermostat-off mode	Рто	0,021	kW				
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	Р <sub>ск</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q <sub>HE</sub>	2056	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h
For heat pump combination h	eater:						
Declared load profile/		XL / A		Water heating energy	n	92	%
Energy efficiency class		,		efficiency	· Iwn	52	
Daily electricity consumption	Qelec	8,273	kWh	Daily fuel consumption	Qfuel	NA	kWh
Annual electricity consumption	AEC	1820	kWh	Annual fuel consumption	AFC	NA	GJ
Specific precautions and end of life information:		The packaging mus end of the product importance that th of the product as h	t be deposited at a 's life cycle, it mus e product's refrige ousehold waste is	a recycling station or with the installation engin to be sent correctly to a waste station or reselle erant, compressor oil and electrical/electronic of not permitted.	neer for correct w r offering a servic equipment are pr	vaste managemen ce of that type. t operly disposed o	nt. At the is of great of. Disposing
Contact details	Enertech AB, Box	< 309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001

#### Information for heat pump space heaters and heat pump combination heaters Average climate and Medium temperature



Model(s):		CTC EcoPart 40	6 + CTC EcoZe	nith 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:	126	%		
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:	A++	-		
Heat pump combination heat	er:	Yes						
Parameters shall be declared	for medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pur	nps,	
parameters shall be declared	for low-temperatu	ire application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	122	%	
Declared capacity for heating outdoor temperature T j	for part load at ind	door temperatur	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				
T j = – 7 °C	Pdh	5,3	kW	T j = – 7 °C	COPd	2,90	-	
T j = + 2 °C	Pdh	5,4	kW	T j = +2 °C	COPd	3,32	-	
$i_{j} = + / C$	Pan	5,6	KW	j = +/ C	COPa	3,66	-	
1 j = + 12 °C	Pan	5,8	KW	1 j = +12 °C	СОРа	4,01	-	
T j = bivalent temperature	Pdh	5,3	kW	T j = bivalent temperature	COPd	2,97	-	
T j = operation limit temperature	Pdh	5,2	kW	T j = operation limit temperature	COPd	2,72	-	
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 <sub>biv</sub>	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	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	1	Supplementary heater				
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	1,1	kW	
Thermostat-off mode	Р <sub>то</sub>	0,005	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	3992	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination h	eater:							
Declared load profile/		XL / A		Water heating energy	n <sub>wh</sub>	92	%	
Energy efficiency class		-		efficiency				
Daily electricity consumption	Qelec	8,273	kWh	Daily fuel consumption	Qfuel	NA	kWh	
Annual electricity consumption	AEC	1820	kWh	Annual fuel consumption	AFC	NA	GJ	
Specific precautions and end of life information:		The packaging must end of the product's importance that the of the product as ho	be deposited at a s life cycle, it mus e product's refrige pusehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rant, compressor oil and electrical/electronic en not permitted.	neer for correct w r offering a servic equipment are pr	vaste managemen ce of that type. t i operly disposed o	t. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001	

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



Model(s):		CTC EcoPart 40	6 + CTC EcoZe	enith 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:	167	%		
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:	A++	-		
Heat pump combination heate	er:	Yes						
Parameters shall be declared t	or medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	ature heat pur	nps,	
parameters shall be declared	for low-temperatu	re application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	163	%	
Declared capacity for heating outdoor temperature T j	for part load at ind	door temperatur	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				
T j = – 7 °C	Pdh	6,0	kW	T j = – 7 °C	COPd	4,32	-	
T j = + 2 °C	Pdh	6,1	kW	T j = +2 °C	COPd	4,51	-	
$I_{J} = + 7 C$	Pan	6,1	KVV	J = +7 C	COPa	4,67	-	
1 J = + 12 C	Full	0,2	K V V	1 ] - +12 C	COFU	4,05	-	
T j = bivalent temperature	Pdh	6,0	kW	T j = bivalent temperature	COPd	4,36	-	
T j = operation limit temperature	Pdh	5,9	kW	T j = operation limit temperature	COPd	4,23	-	
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 <sub>biv</sub>	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-	
Degradation co-efficient	Cdh	0,97	-	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes	other than active	mode		Supplementary heater			i	
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	1,2	kW	
Thermostat-off mode	Р <sub>то</sub>	0,021	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	3423	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination h	eater:	·						
Declared load profile/		XI / A		Water heating energy	nt	92	%	
Energy efficiency class		, <b></b> ,		efficiency	· Iwii	52	,,,	
Daily electricity consumption	Qelec	8,273	kWh	Daily fuel consumption	Qfuel	NA	kWh	
Annual electricity consumption	AEC	1820	kWh	Annual fuel consumption	AFC	NA	GJ	
Specific precautions and end of life information:		ime packaging must end of the product's importance that the of the product as ho	be deposited at a s life cycle, it mus product's refrige busehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rrant, compressor oil and electrical/electronic e not permitted.	reer for correct w r offering a servic equipment are pr	vaste managemen ce of that type. t i operly disposed o	t. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26 I	Ljungby Tel +4	46 372 88000 www.ctc.se			181001	

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



Model(s):		CTC EcoPart 40	6 + CTC EcoZe	enith 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:	129	%		
Equipped with a supplementa	ry heater:	Yes		Package efficiency class:		-		
Heat pump combination heat	er:	Yes						
Parameters shall be declared	for medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pui	nps,	
parameters shall be declared	for low-temperatu	ire application.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6	kW	efficiency	η <sub>s</sub>	125	%	
Declared capacity for heating outdoor temperature T j	for part load at ind	door temperatur	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				
T j = – 7 °C	Pdh	5,4	kW	T j = – 7 °C	COPd	3,23	-	
T j = + 2 °C	Pdh	5,6	kW	T j = +2 °C	COPd	3,59	-	
$T_j = +7 °C$	Pdh	5,7	kW	T j = +7 °C	COPd	3,91	-	
$I_{J} = +12$ °C	Pdh	5,9	kW	I J = +12 °C	COPd	4,14	-	
T j = bivalent temperature	Pdh	5,3	kW	T j = bivalent temperature	COPd	2,94	-	
I J = operation limit temperature	Pdh	5,2	kW	temperature	COPd	2,72	-	
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 <sub>biv</sub>	-17	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	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	I	Supplementary heater			i	
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,9	kW	
Thermostat-off mode	Р <sub>то</sub>	0,005	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	4539	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination h	eater:							
Declared load profile/		XL/A		Water heating energy	$\eta_{wh}$	92	%	
Energy efficiency class				efficiency				
Daily electricity consumption	Qelec	8,273	kWh	Daily fuel consumption	Qfuel	NA	kWh	
Annual electricity consumption	AEC	1820	kWh	Annual fuel consumption	AFC	NA	GJ	
Specific precautions and end of life information:		The packaging must end of the product's importance that the of the product as he	be deposited at a s life cycle, it mus product's refrige pusehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rant, compressor oil and electrical/electronic en not permitted.	neer for correct w r offering a servic equipment are pr	vaste managemer te of that type. t i operly disposed c	t. At the s of great f. Disposing	
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001	

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



Model(s):		CTC EcoPart 40	6 + 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:	169	%		
Equipped with a supplementar	ry heater:	Yes		Package efficiency class:		-		
Heat pump combination heate	er:	Yes			-			
Parameters shall be declared f	or medium-temp	erature application	on, except for	r low-temperature heat pumps. For	low- tempera	ture heat pur	nps,	
Item	Symbol		Unit	ltem	Symbol	Value	Unit	
item	Symbol	Value	Unit	Seasonal snace heating energy	Symbol	value		
Rated heat output (*)	Prated	7	kW	efficiency	η <sub>s</sub>	165	%	
Declared capacity for heating f outdoor temperature T j	or part load at ind	door temperatur	e 20 °C and	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	Pdh	6,1	kW	T j = – 7 °C	COPd	4,53	-	
T j = + 2 °C	Pdh	6,1	kW	T j = +2 °C	COPd	4,67	-	
$I J = + 7^{\circ}C$	Pan Dah	6,2	KVV	$ j = +7^{\circ}C$	COPa	4,78	-	
1 J = + 12 C	Pun	0,2	ĸvv	1 J = +12 C	СОРи	4,80	-	
T j = bivalent temperature	Pdh	6,0	kW	T j = bivalent temperature	COPd	4,35	-	
T j = operation limit temperature	Pdh	5,9	kW	T j = operation limit temperature	COPd	4,23	-	
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 <sub>biv</sub>	-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	0,97	-	Heating water operating limit temperature	WTOL	65	°C	
Power consumption in modes	other than active	mode		Supplementary heater				
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,8	kW	
Thermostat-off mode	Р <sub>то</sub>	0,021	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	3800	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination he	eater:					1		
Declared load profile/		XL/A		Water heating energy	η <sub>wh</sub>	92	%	
Energy efficiency class		-		efficiency				
Daily electricity consumption	Qelec	8,273	kWh	Daily fuel consumption	Qfuel	NA	kWh	
Annual electricity consumption	AEC	<b>1820</b>	kWh	Annual fuel consumption	AFC	NA	GJ	
Specific precautions and end of life information:		ine packaging must end of the product's importance that the of the product as ho	be deposited at a life cycle, it must product's refrige usehold waste is	I recycling station or with the installation enginering is sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic entry permitted.	neer for correct w r offering a servic equipment are pro	aste managemen e of that type. t i operly disposed o	t. At the s of great f. Disposing	
Contact details	Enertech AB, Box	: 309, SE-341 26 L	jungby Tel +4	16 372 88000 www.ctc.se			181001	

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



Model(s):		CTC EcoPart 40	6 + CTC Basic	styrning				
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:	129	%		
Equipped with a supplementar	ry heater:	No		Package efficiency class:		-		
Heat pump combination heate	er:	No						
Parameters shall be declared f	or medium-temp	erature applicati	ion, except fo	r low-temperature heat pumps. For	low- tempera	ture heat pui	nps,	
parameters shall be declared f	or low-temperatu	Value	Unit	Itom	Symbol	Value	Unit	
item	Symbol	value	Onic	Seasonal snace heating energy	Symbol	value		
Rated heat output (*)	Prated	6	kW	efficiency	η <sub>s</sub>	128	%	
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	Pdh	na	kW	T j = - 7 °C	COPd	na	-	
T j = + 2 °C	Pdh	5,2	kW	T j = +2 °C	COPd	2,91	-	
$i_{j} = +7$ C	Pun Ddh	5,4	K VV	$T_{i} = +12 $ °C	COPU	3,31	-	
1 J = + 12 C	Pun	5,7	KVV	1 J = +12 C	СОРи	4,02	-	
T j = bivalent temperature	Pdh	5,2	kW	T j = bivalent temperature	COPd	3,02	-	
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 <sub>biv</sub>	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C	
Cycling interval capacity for heating	P <sub>cych</sub>	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 <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,5	kW	
Thermostat-off mode	P <sub>TO</sub>	0,003	kW					
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric		
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water				
Annual energy consumption	Q <sub>HE</sub>	2209	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h	
For heat pump combination he	eater:							
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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: In 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.								
Contact details	Enertech AB, Box	309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001	

#### Information for heat pump space heaters and heat pump combination heaters Warm climate and Low temperature



					- ·		
Model(s):		CTC EcoPart 40	06 + CTC Basics	styrning			
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 supplementar	ry heater:	No		Package efficiency class:		-	
Heat pump combination heate	er:	No		5 ,			
Parameters shall be declared f	or medium-temp	erature applicat	tion, except fo	r low-temperature heat pumps. For	low- temper	ature heat pu	mps,
parameters shall be declared f	or low-temperatu	ure application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	n <sub>s</sub>	176	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j				Declared coefficient of performa part load at indoor temperature	ance or prima 20 °C and ou	ary energy rat utdoor tempe	io for rature T j
T j = – 7 °C	Pdh	na	kW	T j = – 7 °C	COPd	na	- 1
T j = + 2 °C	Pdh	5,9	kW	T j = +2 °C	COPd	4,57	-
j = + 7 °C	Pdh	6,0	kW	i j = +7 °C	COPd	4,82	- 1
T j = + 12 °C	Pdh	6,1	kW	T j = +12 °C	COPd	5,12	- I
T j = bivalent temperature	Pdh	5,9	kW	T j = bivalent temperature	COPd	4,65	-
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 <sub>biv</sub>	3	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes	other than active	mode	-	Supplementary heater			-
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,5	kW
Thermostat-off mode	P <sub>TO</sub>	0,005	kW				
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	Р <sub>ск</sub>	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 <sub>WA</sub>	43/na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q <sub>HE</sub>	1860	kWh	flow rate, outdoor heat	-	1,5	m3/h
For heat pump combination he	eater:	I	<u> </u>			1	<u> </u>
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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 mus end of the product importance that th of the product as h	it be deposited at a 's life cycle, it mus ie product's refrige iousehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic not permitted.	neer for correct or er offering a serv equipment are p	waste manageme ice of that type. t roperly disposed	nt. At the is of great of. Disposing
Contact details	Enertech AB, Box	< 309, SE-341 26	Ljungby Tel +4	46 372 88000 www.ctc.se			181001

#### Information for heat pump space heaters and heat pump combination heaters Average climate and Medium temperature



Model(s):		CTC EcoPart 40	6 + CTC Basics	styrning					
Air-to-water heat pump:		No		Energy efficiency class:	A++	-			
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:	131	%			
Equipped with a supplementa	ry heater:	No		Package efficiency class:	A++	-			
Heat pump combination heate	er:	No							
Parameters shall be declared f	or medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pur	nps,		
parameters shall be declared f	or low-temperatu	re application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	η <sub>s</sub>	130	%		
Declared capacity for heating outdoor temperature T j	for part load at ind	door temperatur	re 20 °C and	Declared coefficient of performa part load at indoor temperature	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	Pdh	5,3	kW	T j = – 7 °C	COPd	3,10	-		
T j = + 2 °C	Pdh	5,5	kW	T j = +2 °C	COPd	3,52	-		
J = + / C	Pan	5,6	KVV	$  ] = +/^{2}C$	COPa	3,91	-		
1 J = + 12 C	Pull	5,6	ĸvv	1 J = +12 C	СОРи	4,32	-		
T j = bivalent temperature	Pdh	5,3	kW	T j = bivalent temperature	COPd	3,16	-		
I J = operation limit temperature	Pdh	na	kW	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 <sub>biv</sub>	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C		
Cycling interval capacity for heating	P <sub>cych</sub>	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	L	Supplementary heater			l I		
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	1,1	kW		
Thermostat-off mode	Р <sub>то</sub>	0,003	kW						
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric			
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water					
Annual energy consumption	Q <sub>HE</sub>	3743	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h		
For heat pump combination he	eater:			· · · · ·					
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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 end of the product's importance that the of the product as he	be deposited at a s life cycle, it mus product's refrige pusehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reselle rrant, compressor oil and electrical/electronic e not permitted.	eer for correct w r offering a servic equipment are pr	vaste managemen ce of that type. t is operly disposed o	t. At the s of great f. Disposing		
Contact details	Enertech AB, Box	309, SE-341 26 I	Ljungby Tel +4	46 372 88000 www.ctc.se			181001		

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



Model(s):	CTC EcoPart 406 + CTC Basics			styrning			
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:	180	%	
Equipped with a supplementa	ry heater:	No		Package efficiency class:	A+++	-	
Heat pump combination heate	er:	No					
Parameters shall be declared f	or medium-tempe	erature applicati	on, except fo	r low-temperature heat pumps. For	low- tempera	iture heat pur	nps,
parameters shall be declared f	for low-temperatu	re application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW	Seasonal space heating energy efficiency	n <sub>s</sub>	179	%
Declared capacity for heating outdoor temperature T j	for part load at inc	loor temperatur	e 20 °C and	Declared coefficient of performa part load at indoor temperature	nce or prima 20 °C and ou	ry energy rati tdoor temper	o for ature T j
T j = – 7 °C	Pdh	5,9	kW	T j = – 7 °C	COPd	4,67	-
T j = + 2 °C	Pdh	6,0	kW	T j = +2 °C	COPd	4,88	-
$I_{j} = + 7 C$ $T_{i} = + 12 °C$	Pun Ddh	6,1		$T_{i} = +12 $ °C	COPU	5,00	-
1 J = + 12 C	Full	0,2	K V V	1 ] - +12 C	COFU	5,25	-
T j = bivalent temperature	Pdh	5,9	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 <sub>biv</sub>	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature	WTOL	65	°C
Power consumption in modes	other than active	mode		Supplementary heater			i
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,8	kW
Thermostat-off mode	P <sub>TO</sub>	0,005	kW				
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/</b> na	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q <sub>HE</sub>	2967	kWh	flow rate, outdoor heat	-	1,5	m3/h
For heat pump combination h	eater:						
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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 gradient importance that the product's refrigerant, compressor oil and electrical/electronic equipment are properly disposed of. Disposed of the product as household waste is not permitted.						
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# Information for heat pump space heaters and heat pump combination heaters **Cold climate and Medium temperature**



Model(s):	CTC EcoPart 406 + CTC Basics			styrning			
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:	134	%	
Equipped with a supplementa	ry heater:	No		Package efficiency class:		-	
Heat pump combination heate	er:	No					
Parameters shall be declared f	or medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For l	ow- tempera	iture heat pui	nps,
parameters shall be declared f	for low-temperatu	ire application.					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	n <sub>s</sub>	133	%
Declared capacity for heating outdoor temperature T j	for part load at ind	door temperatur	e 20 °C and	Declared coefficient of performa part load at indoor temperature	nce or prima 20 °C and ou	ry energy rati tdoor temper	o for ature T j
T j = – 7 °C	Pdh	5,4	kW	T j = – 7 °C	COPd	3,42	-
T j = + 2 °C	Pdh	5,6	kW	T j = +2 °C	COPd	3,82	-
j = + / C	Pdh	5,7	kW	J = +/ C	COPd	4,19	-
1 J = + 12 °C	Pan	5,9	KVV	I J = +12 °C	СОРа	4,46	-
T j = bivalent temperature	Pdh	5,3	kW	T j = bivalent temperature	COPd	3,09	-
t j = operation limit temperature	Pdh	na	kW	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 <sub>biv</sub>	-18	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C
Cycling interval capacity for heating	P <sub>cych</sub>	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	I	Supplementary heater			
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,7	kW
Thermostat-off mode	Р <sub>то</sub>	0,003	kW				
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric	
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water			
Annual energy consumption	Q <sub>HE</sub>	4107	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h
For heat pump combination he	eater:						
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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 end of the product's importance that the of the product as ho	be deposited at a s life cycle, it mus product's refrige pusehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reseller rrant, compressor oil and electrical/electronic e not permitted.	eer tor correct w offering a servic quipment are pr	vaste managemer ce of that type. t i operly disposed o	it. At the s of great f. Disposing
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# Information for heat pump space heaters and heat pump combination heaters **Cold climate and Low temperature**



Model(s):		CTC EcoPart 40	6 + CTC Basics	styrning					
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:	184	%			
Equipped with a supplementa	ry heater:	No		Package efficiency class:		-			
Heat pump combination heat	er:	No							
Parameters shall be declared	for medium-temp	erature applicati	on, except fo	r low-temperature heat pumps. For l	ow- tempera	ture heat pui	nps,		
parameters shall be declared	for low-temperatu	ire application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	6	kW	Seasonal space heating energy efficiency	n <sub>s</sub>	183	%		
Declared capacity for heating for part load at indoor temperature 20 $^{\circ}\mathrm{C}$ and outdoor temperature T j				Declared coefficient of performa part load at indoor temperature	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	Pdh	6,0	kW	T j = – 7 °C	COPd	4,9	-		
T j = + 2 °C	Pdh	6,1	kW	T j = +2 °C	COPd	5,07	-		
T j = + 7 °C	Pdh	6,1	kW	T j = +7 °C	COPd	2,2	-		
$T_{j} = +12 °C$	Pdh	6,2	kW	T j = +12 °C	COPd	5,22	-		
T j = bivalent temperature	Pdh	5,9	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 <sub>biv</sub>	-20	°C	For air-to-water heat pumps: Operation limit temperature	TOL	na	°C		
Cycling interval capacity for heating	P <sub>cych</sub>	na	kW	Cycling interval efficiency	СОРсус	na	-		
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit temperature	WTOL	65	°C		
Power consumption in modes	other than active	mode	Ì	Supplementary heater					
Off mode	P <sub>OFF</sub>	0,018	kW	Rated heat output	Psup	0,5	kW		
Thermostat-off mode	Р <sub>то</sub>	0,005	kW						
Standby mode	P <sub>SB</sub>	0,018	kW	Type of energy input		Electric			
Crankcase heater mode	Р <sub>СК</sub>	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 <sub>WA</sub>	<b>43/na</b>	dB	For water-/brine-to-water heat pumps: Rated brine or water					
Annual energy consumption	Q <sub>HE</sub>	3332	kWh	flow rate, outdoor heat exchanger	-	1,5	m3/h		
For heat pump combination h	eater:								
Declared load profile		na		Water heating energy efficiency	$\eta_{wh}$	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 end of the product's importance that the of the product as ho	be deposited at a life cycle, it mus product's refrige usehold waste is	a recycling station or with the installation engin t be sent correctly to a waste station or reseller rant, compressor oil and electrical/electronic e not permitted.	eer for correct w r offering a servic quipment are pro	aste managemer e of that type. t i operly disposed c	t. At the s of great f. Disposing		
Contact details	Enertech AB, Box	309, SE-341 26 I	_jungby Tel +4	46 372 88000 www.ctc.se			181001		