

BLU-BIT AIR-WATER HEAT EXCHANGERS FOR VERTICAL OR ROOF MOUNTING



25.8.2008 io

High cooling capacities in a compact size combined with the total absence of routine maintenance. These are the main features of the BLU and BIT air-water heat exchangers that are the best air conditioning means for working in environments under extreme temperature and dust/oil contamination conditions.

A wide power range

The range of cooling capacities goes from 1000 to 15000 W for the vertical series while for the roof series we have a 2500 W model.

No routine maintenance

Thanks to the particular shape and construction of these exchangers, no routine maintenance (changing the filter or cleaning the exchanger) is required to ensure continued and trouble-free operation.

Optimum enclosure protection

The BLU/BIT exchangers, thanks to their particular design principle and the correctly applied self-adhesive seal, guarantee an IP55 protection level (EN 60529) meaning they are ideal for heavily polluted external environments.

Protection of the environment

The exchangers of the BLU/BIT range use water as their cooling agent. Being a natural product there is no negative impact on

the environment and, what's more, these exchangers are so quiet that they help keep the level of noise relatively low inside the rooms where they are installed.



Supply voltages

The foreseen supply voltages up to 4500 W of refrigerating capacity are 230V single-phase and 115V single-phase, both in dual-frequency 50-60 Hz.

The models designed for higher capacities have available supplies of 230V single-phase and 400/440V two-phase both in dual-frequency 50-60 Hz.

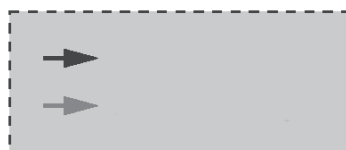
Painting

RAL 7035 orange peel effect is the standard colour. Epoxy powder paint is used. On

request other colours are available as well as stainless steel versions.

Accessories

An optional thermostat and/or level indicators can be incorporated to control an ON/OFF solenoid valve to stop or let water through. Such an option optimises heat exchange in function of the temperatures wanted inside the panel, avoiding all unnecessary use of water and keeping an accurate check on condensation.



Water outlet
Water inlet



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Cooling capacity **1000 - 15000 W**



Application tips

- These exchangers maximise the ratio between cooling capacity and dimensions.
- Thanks to their IP protection level, the air-water exchangers are ideal in heavily polluted environments.
- To work properly, these exchangers must be connected to the existing water mains or water chillers.
- With the BLU/BIT exchangers it is possible to cool the inside of the panel to temperatures below room temperature that can even reach 70°C.
- When choosing the exchanger, calculate a 10% margin in consideration of the most difficult conditions in which it could work.
- Seal the enclosure accurately. Gaps can lead to excessive condensation tending to lower the exchanger's protective effect in heavily polluted environments.
- Install the exchanger in the highest point of the panel to allow removal of the hottest air, enhancing heat exchange.
- If the flow air is hindered due to the layout of the electric/electronic components, the heat exchange will be undermined.
- The exchanger's supply line must be protected by either a delayed fuse or a circuit breaker rated according to the unit's technical data.

BLUA5 AIR-WATER HEAT EXCHANGERS FOR DOOR OR WALL MOUNTING



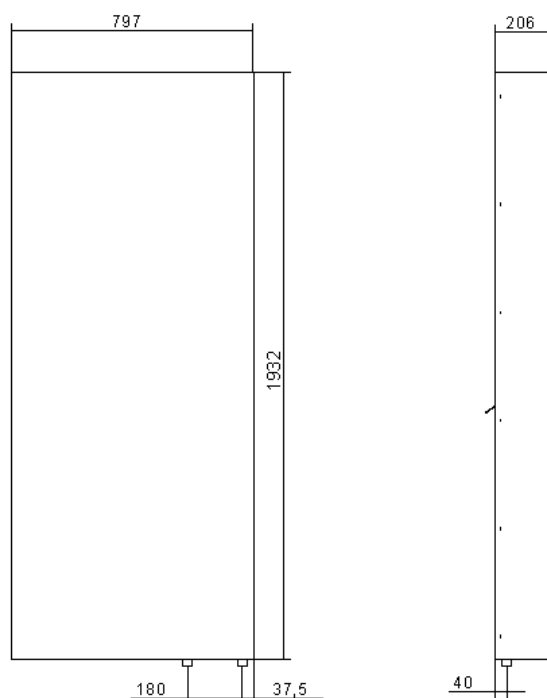
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Characteristics	M.U.	BLUA5BX0B	BLUA5GX0B
Cooling capacity - W10A35	W	15000	15000
Water flow rate	l/h	2000	2000
Power supply	V ~ Hz	230 1~ 50-60	400/440 2~ 50-60
Width	mm	797	797
Height	mm	1932	1932
Depth	mm	206	206
Max. current	A	1,4	0,9
Fuse T	A	4	2
Absorbed electric power - W10A35	W	320	340
Duty cycle	-	100%	100%
Electrical connection	-	Cable L = 3 m	Cable L = 3 m
Refrigerant	-	Water	Water
Hydraulic circuit max. pressure	bar	8	8
Water connections	-	3/4"G	3/4"G
Air flow rate	m³/h	2900	2900
Internal temperature range	°C	20-60	20-60
External temperature range	°C	1-70	1-70
Protection level EN60529	-	IP55	IP55
Noise level	dB (A)	72	70
Weight	Kg	92	92
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

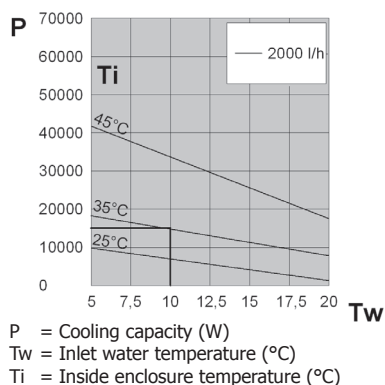
Accessories/Options	
Thermostat 20-46°C, gas bulb 15A	C16000002
Solenoid valve, NC	C15000120
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



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BLUA0 AIR-WATER HEAT EXCHANGERS FOR DOOR OR WALL MOUNTING



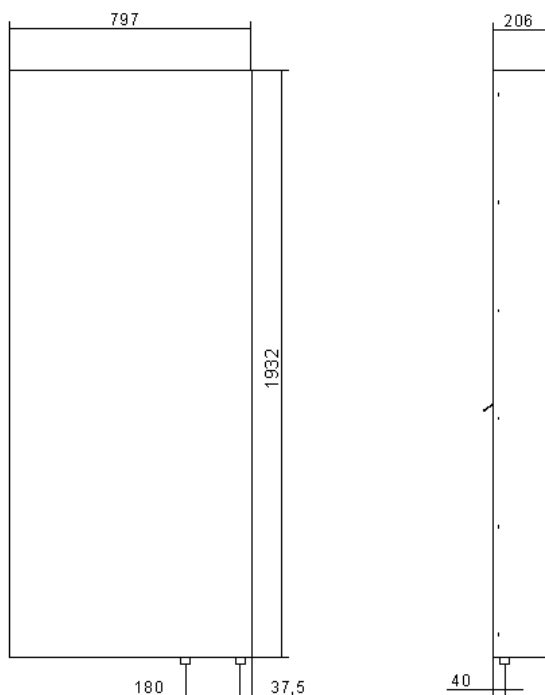
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Characteristics	M.U.	BLUA0BX0B	BLUA0GX0B
Cooling capacity - W10A35	W	10000	10000
Water flow rate	l/h	2000	2000
Power supply	V ~ Hz	230 1~ 50-60	400/440 2~ 50-60
Width	mm	797	797
Height	mm	1932	1932
Depth	mm	206	206
Max. current	A	1,2	0,75
Fuse T	A	2	2
Absorbed electric power - W10A35	W	260	280
Duty cycle	-	100%	100%
Electrical connection	-	Cable L = 3 m	Cable L = 3 m
Refrigerant	-	Water	Water
Hydraulic circuit max. pressure	bar	8	8
Water connections	-	3/4"G	3/4"G
Air flow rate	m³/h	2420	2420
Internal temperature range	°C	20-60	20-60
External temperature range	°C	1-70	1-70
Protection level EN60529	-	IP55	IP55
Noise level	dB (A)	70	70
Weight	Kg	90	90
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

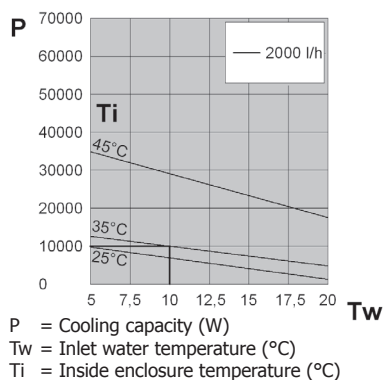
Accessories/Options	
Thermostat 20-46°C, gas bulb 15A	C16000002
Solenoid valve, NC	C15000120
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



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BLU60 AIR-WATER HEAT EXCHANGERS FOR DOOR OR WALL MOUNTING



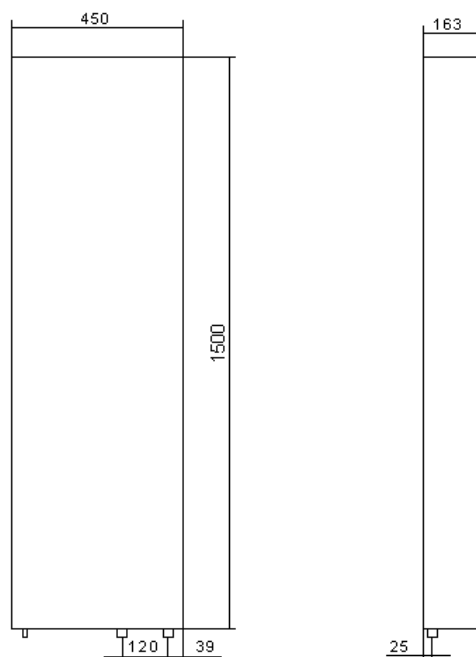
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Characteristics	U.M.	BLU60BX0B	BLU60CX0B	BLU60GX0B
Cooling capacity - W10A35	W	6000	6000	6000
Water flow rate	l/h	800	800	800
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60	400/440 2~50-60
Width	mm	450	450	450
Height	mm	1500	1500	1500
Depth	mm	163	163	163
Max. current	A	0,71	1,5	0,4
Fuse T	A	2	4	1
Absorbed electric power - W10A35	W	160	170	170
Duty cycle	-	100%	100%	100%
Electrical connection	-	Cable L = 3 m	Cable L = 3 m	Cable L = 3 m
Refrigerant	-	Water	Water	Water
Hydraulic circuit max. pressure	bar	5	5	5
Water connections	-	1/2"G	1/2"G	1/2"G
Air flow rate	m³/h	1450	1450	1450
Internal temperature range	°C	20-60	20-60	20-60
External temperature range	°C	1-70	1-70	1-70
Protection level EN60529	-	IP55	IP55	IP55
Noise level	dB (A)	69	69	69
Weight	Kg	40	40	42
Conformity	-	CE	CE	CE
Colour	-	RAL 7035 orange peel effect		

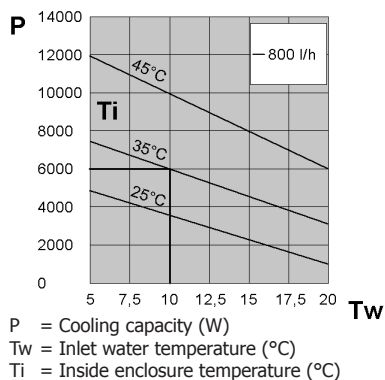
Accessories/Options	
Thermostat 20-46°C, gas bulb 15A	C16000002
Solenoid valve, NC	C15000119
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



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BLU45 AIR-WATER HEAT EXCHANGERS FOR DOOR OR WALL MOUNTING



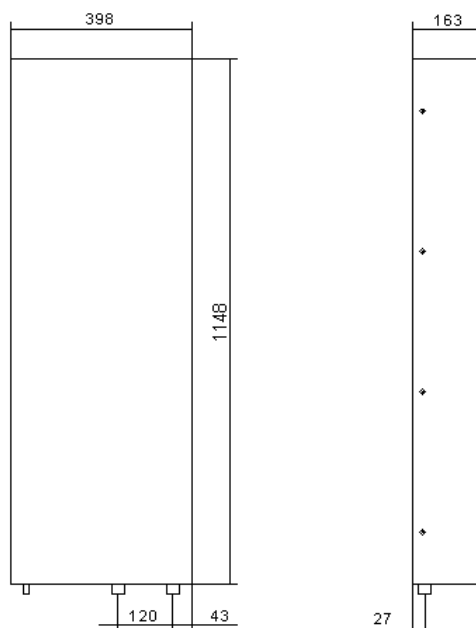
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Characteristics	M.U.	BLU45BX08	BLU45CX08
Cooling capacity - W10A35	W	4500	4500
Water flow rate	l/h	500	500
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60
Width	mm	398	398
Height	mm	1148	1148
Depth	mm	163	163
Max. current	A	0,71	1,5
Fuse T	A	2	4
Absorbed electric power - W10A35	W	160	170
Duty cycle	-	100%	100%
Electrical connection	-	Cable L = 3 m	Cable L = 3 m
Refrigerant	-	Water	Water
Hydraulic circuit max. pressure	bar	5	5
Water connections	-	1/2"G	1/2"G
Air flow rate	m³/h	1450	1450
Internal temperature range	°C	20-60	20-60
External temperature range	°C	1-70	1-70
Protection level EN60529	-	IP55	IP55
Noise level	dB (A)	69	69
Weight	Kg	30	30
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

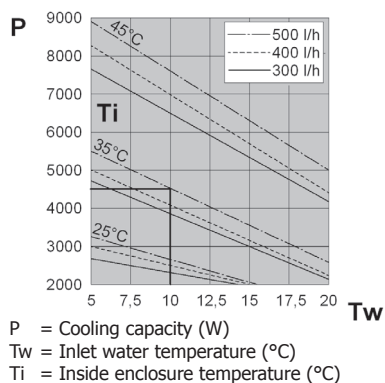
Accessories/Options	
Thermostat 20-46°C, gas bulb 15A	C16000002
Solenoid valve, NC	C15000119
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



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BLU35 AIR-WATER HEAT EXCHANGERS FOR DOOR OR WALL MOUNTING



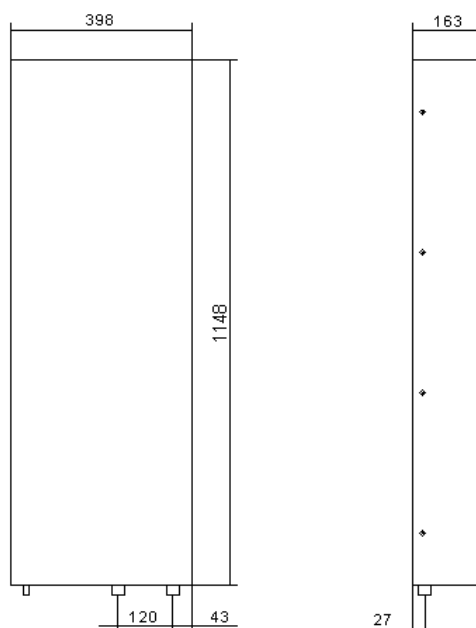
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Characteristics	M.U.	BLU35BX08	BLU35CX08
Cooling capacity - W10A35	W	3500	3500
Water flow rate	l/h	500	500
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60
Width	mm	398	398
Height	mm	1148	1148
Depth	mm	163	163
Max. current	A	0,55	1,12
Fuse T	A	2	2
Absorbed electric power - W10A35	W	130	135
Duty cycle	-	100%	100%
Electrical connection	-	Cable L = 3 m	Cable L = 3 m
Refrigerant	-	Water	Water
Hydraulic circuit max. pressure	bar	5	5
Water connections	-	1/2"G	1/2"G
Air flow rate	m³/h	1050	1050
Internal temperature range	°C	20-60	20-60
External temperature range	°C	1-70	1-70
Protection level EN60529	-	IP55	IP55
Noise level	dB (A)	64	64
Weight	Kg	29	29
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

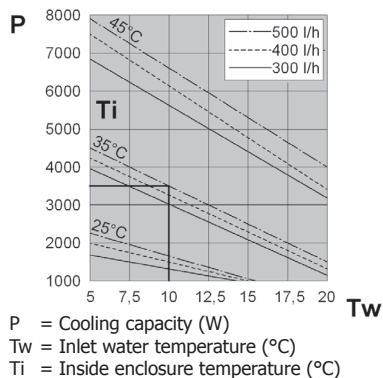
Accessories/Options	
Thermostat 20-46°C, gas bulb 15A	C16000002
Solenoid valve, NC	C15000119
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



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BLU25 AIR-WATER HEAT EXCHANGERS FOR DOOR OR WALL MOUNTING



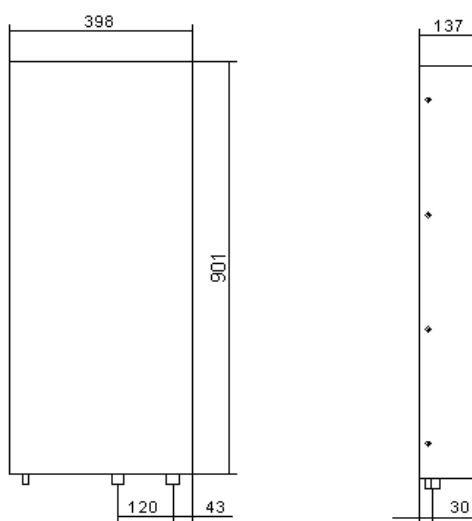
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Characteristics	M.U.	BLU25BX0B	BLU25CX0B
Cooling capacity - W10A35	W	2500	2500
Water flow rate	l/h	500	500
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60
Width	mm	398	398
Height	mm	901	901
Depth	mm	137	137
Max. current	A	0,33	0,74
Fuse T	A	2	2
Absorbed electric power - W10A35	W	80	82
Duty cycle	-	100%	100%
Electrical connection	-	Cable L = 3 m	Cable L = 3 m
Refrigerant	-	Water	Water
Hydraulic circuit max. pressure	bar	5	5
Water connections	-	1/2"G	1/2"G
Air flow rate	m³/h	860	860
Internal temperature range	°C	20-60	20-60
External temperature range	°C	1-70	1-70
Protection level EN60529	-	IP55	IP55
Noise level	dB (A)	58	58
Weight	Kg	19	19
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

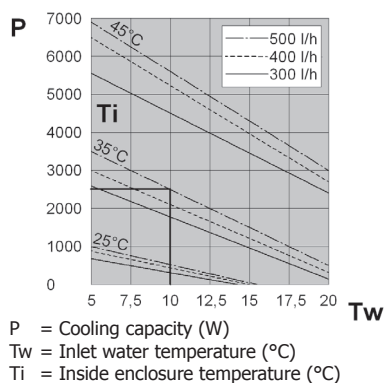
Accessories/Options	
Thermostat 20-46°C, gas bulb 15A	C16000002
Solenoid valve, NC	C15000119
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



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BLU18 AIR-WATER HEAT EXCHANGERS FOR DOOR OR WALL MOUNTING



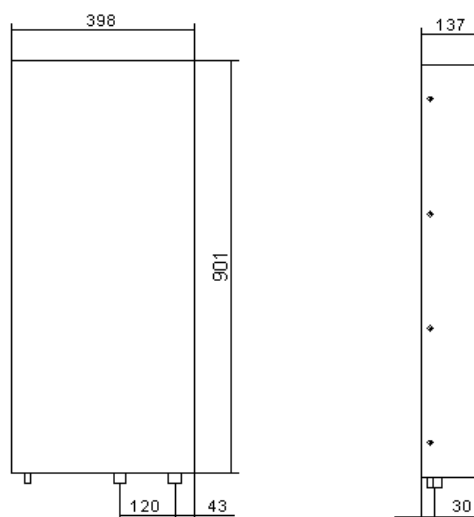
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Characteristics	M.U.	BLU18BX0B	BLU18CX0B
Cooling capacity - W10A35	W	1750	1750
Water flow rate	l/h	150	150
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60
Width	mm	398	398
Height	mm	901	901
Depth	mm	137	137
Max. current	A	0,36	0,76
Fuse T	A	2	2
Absorbed electric power - W10A35	W	75	77
Duty cycle	-	100%	100%
Electrical connection	-	Cable L = 3 m	Cable L = 3 m
Refrigerant	-	Water	Water
Hydraulic circuit max. pressure	bar	5	5
Water connections	-	1/2"G	1/2"G
Air flow rate	m³/h	570	570
Internal temperature range	°C	20-60	20-60
External temperature range	°C	1-70	1-70
Protection level EN60529	-	IP55	IP55
Noise level	dB (A)	58	58
Weight	Kg	18	18
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

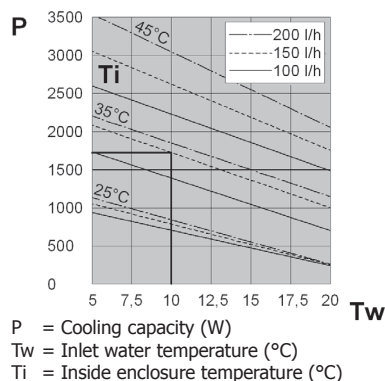
Accessories/Options	
Thermostat 20-46°C, gas bulb 15A	C16000002
Solenoid valve, NC	C15000119
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



BLU10 AIR-WATER HEAT EXCHANGERS FOR DOOR OR WALL MOUNTING



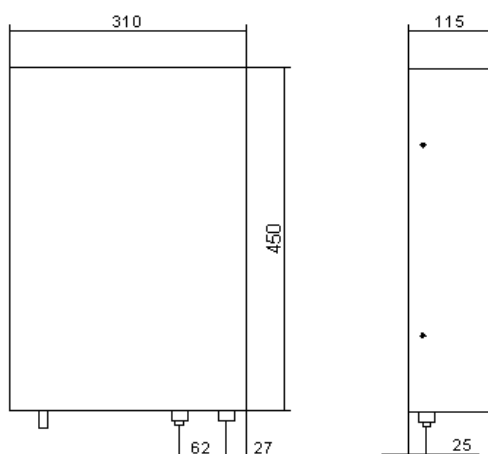
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Characteristics	M.U.	BLU10BX0B	BLU10CX0B
Cooling capacity - W10A35	W	1000	1000
Water flow rate	l/h	150	150
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60
Width	mm	310	310
Height	mm	450	450
Depth	mm	115	115
Max. current	A	0,17	0,38
Fuse T	A	2	2
Absorbed electric power - W10A35	W	29	25
Duty cycle	-	100%	100%
Electrical connection	-	Cable L = 3 m	Cable L = 3 m
Refrigerant	-	Water	Water
Hydraulic circuit max. pressure	bar	5	5
Water connections	-	3/8"G	3/8"G
Air flow rate	m³/h	330	330
Internal temperature range	°C	20-60	20-60
External temperature range	°C	1-70	1-70
Protection level EN60529	-	IP55	IP55
Noise level	dB (A)	55	55
Weight	Kg	12	12
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

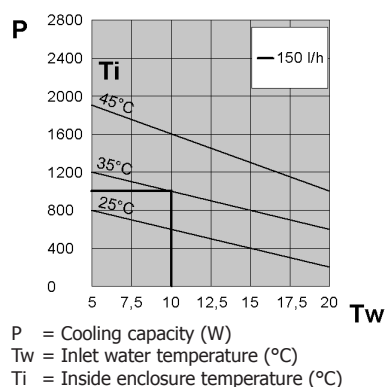
Accessories/Options	
Thermostat 20-46°C, gas bulb 15A	C16000002
Solenoid valve, NC	C15000777
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



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BIT25 AIR-WATER HEAT EXCHANGERS FOR ROOF MOUNTING



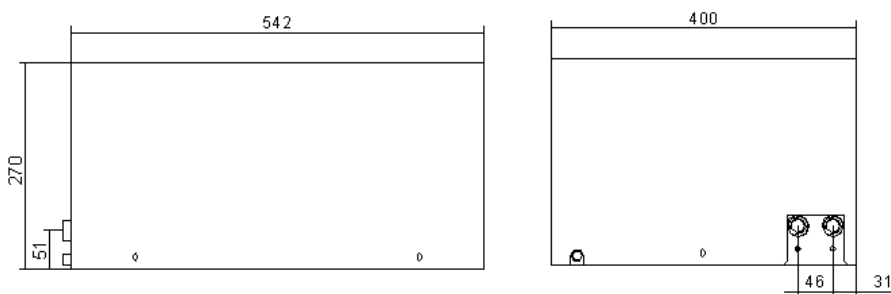
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Characteristics	M.U.	BIT25BX0B	BIT25CX0B
Cooling capacity - W10A35	W	2500	2500
Water flow rate	l/h	500	500
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60
Width	mm	400	400
Height	mm	270	270
Depth	mm	542	542
Max. current	A	0,30	0,62
Fuse T	A	2	2
Absorbed electric power - W10A35	W	65	67
Duty cycle	-	100%	100%
Electrical connection	-	Cable L = 3 m	Cable L = 3 m
Refrigerant	-	Water	Water
Hydraulic circuit max. pressure	bar	5	5
Water connections	-	1/2"G	1/2"G
Air flow rate	m³/h	750	750
Internal temperature range	°C	20-60	20-60
External temperature range	°C	1-70	1-70
Protection level EN60529	-	IP55	IP55
Noise level	dB (A)	58	58
Weight	Kg	19	19
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

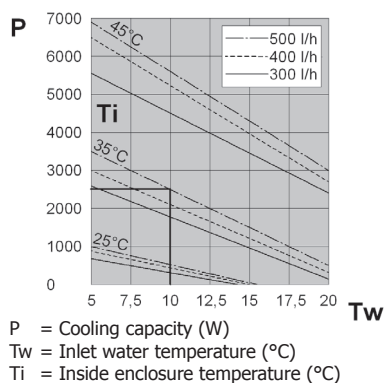
Accessories/Options	
Thermostat 20-46°C, gas bulb 15A	C16000002
Solenoid valve, NC	C15000119
Level switch, NO	C16000140
Stainless steel version	
Special paint on request	



Dimensions



Performances



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