

Highly reliable, very little maintenance, extremely flexible to mount combined with an innovative design. These are the features that the manufacturer has to offer to meet the most demanding customers also in the air-air exchanger's field.

A wide range of specific powers

The range of specific heating capacities goes from 14 to 80 W/K covering the majority of requirements for such products.

Quick and flexible to mount

All the exchangers in the MIX line can be mounted outside or inside the panel. In fact the panel features an output at the back and one at the front for the electrical connections. The holes that have to be drilled on the panel allow quick installation using the accessory kit provided.

Reduced and quick maintenance

The MIX exchangers feature exchange coils that prevent clogging by solid contaminants in the air, maintaining exchange efficiency extremely high also under bad environmental conditions, minimising maintenance. To make maintenance even quicker the fans and coil are easy to remove.

Maximum heat disposal

The suction of air from inside the panel at the top, counter current flows and highly efficient exchange surfaces lead to a more rational version of these products which, as a result, guarantees maximum heat disposal.

Optimum enclosure protection

Because the exchange surface is all in one block and suitable gaskets are used, the enclosure can maintain an IP54 protection level

A rational design

All the MIX line exchangers are designed to minimise running costs thanks to exchange optimisation. Suitable devices are used to protect against overloading.

Supply voltages

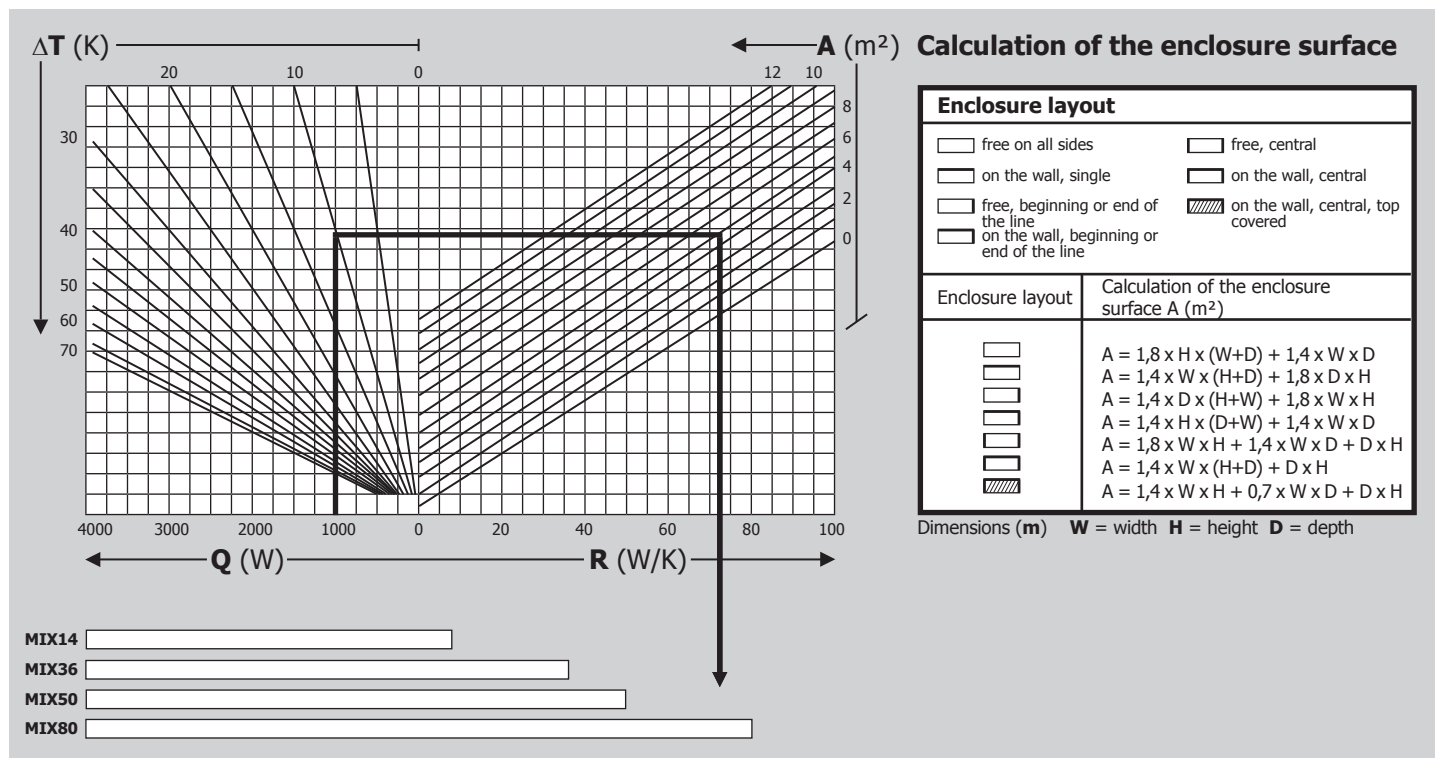
Single-phase voltages of 230V or

single-phase 115V are the standard voltages available for all versions, both in bi-frequency 50-60 Hz. On the customer's request DC or three-phase AC versions are also available.

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.

Air-air exchanger selection diagram



Q = Heating power to be dissipated
R = Specific heating output
ΔT = Temperature difference
A = Enclosure surface

Example:

Power to be dissipated
Temperature difference
Enclosure surface

1000 W
10 K
5 m²



Unit chosen
MIX80

Specific cooling power **14 - 80 W/K**



Application tips

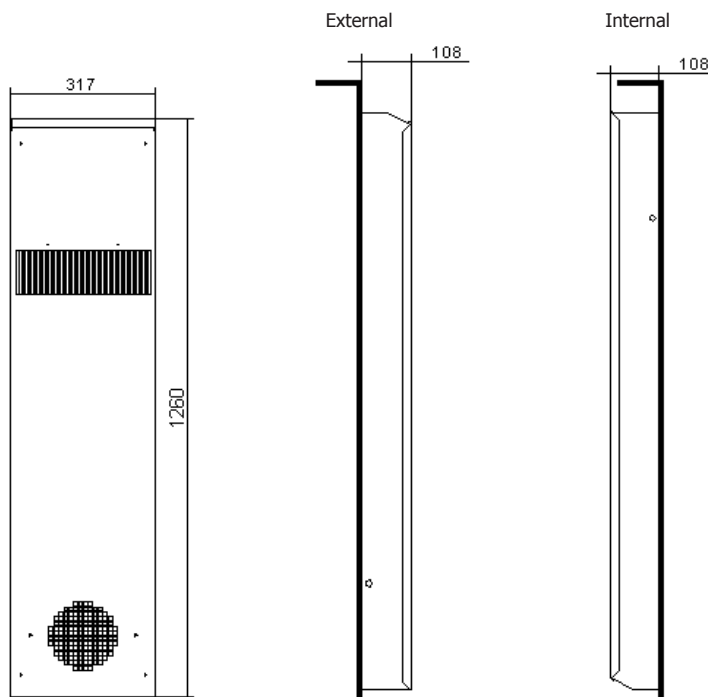
- If external temperatures are much lower than the internal temperature wanted for the enclosure, we suggest using the air-air exchangers of the MIX series especially if there are contaminants in the air outside the panel such as emulsions, dust or chemical substances that must not, under any circumstances, get inside the enclosure.
- When choosing the exchanger maintain a safety margin of a least 10% considering the worst conditions under which it will work.
- Seal the enclosure accurately because if there are cracks or openings they will reduce the protection level offered by the exchanger.
- Always install the exchanger in the highest possible point so that the air can be taken out from the top of the enclosure where a very high temperature is reached. This solution is fundamental to achieve the maximum yield of the exchanger.
- When installing the components inside the enclosure try to facilitate the flow of air at all times, not obstructing the areas where air enters or goes out. Furthermore, if the components have their own internal ventilation system their flow of air should be aimed so it does not interfere with the cooling unit's flow of air.
- The standard exchanger version does not have a temperature controlling device for inside the panel. If your equipment has to work within a well-defined temperature range or if you just want to save energy, opt for the version featuring the adjustable thermostat.

Characteristics	M.U.	MIX80BX08	MIX80CX08
Specific cooling power	W/K	80	80
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60
Width	mm	317	317
Height	mm	1260	1260
Depth	mm	108	108
Max. current	A	1,06	2,1
Fuse T	A	2	4
Absorbed electric power	W	240	255
Duty cycle	-	100%	100%
External fan air flow	m ³ /h	1050	1050
Enclosure fan air flow	m ³ /h	1050	1050
Temperature limits	°C	-5 +55	-5 +55
Protection level EN60529 - enclosure side	-	IP54	IP54
Noise level	dB (A)	75	75
Weight	Kg	17	17
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

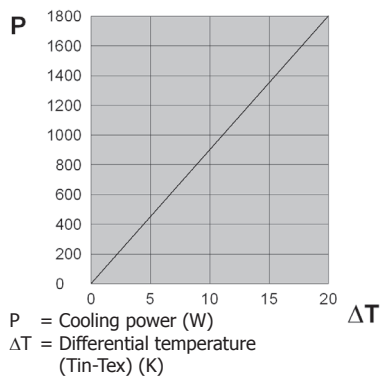
Accessories/Options	
0-60°C thermostat, NO 10A	AAFT012
5-60°C thermostat, change-over contact 10A	AAWTS10
Stainless steel version	
Special paint on request	



Dimensions



Performances

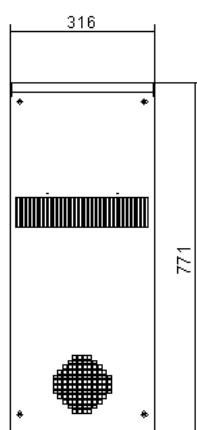


Characteristics	M.U.	MIX50BX0B	MIX50CX0B
Specific cooling power	W/K	50	50
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60
Width	mm	316	316
Height	mm	771	771
Depth	mm	93	93
Max. current	A	0,64	1,12
Fuse T	A	1	2
Absorbed electric power	W	140	150
Duty cycle	-	100%	100%
External fan air flow	m³/h	600	600
Enclosure fan air flow	m³/h	600	600
Temperature limits	°C	-5 +55	-5 +55
Protection level EN60529 - enclosure side	-	IP54	IP54
Noise level	dB (A)	67	67
Weight	Kg	10	10
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

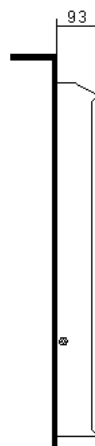
Accessories/Options	
0-60°C thermostat, NO 10A	AAFT012
5-60°C thermostat, change-over contact 10A	AAWTS10
Stainless steel version	
Special paint on request	



Dimensions



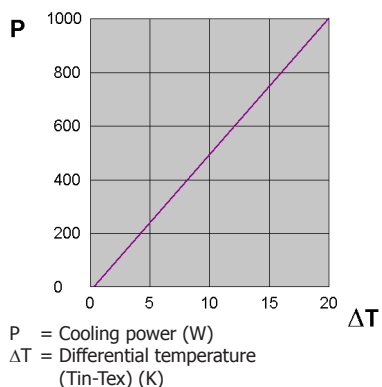
External



Internal



Performances

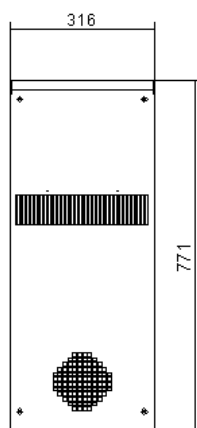


Characteristics	M.U.	MIX36BX0B	MIX36CX0B
Specific cooling power	W/K	36	36
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60
Width	mm	316	316
Height	mm	771	771
Depth	mm	93	93
Max. current	A	0,64	1,12
Fuse T	A	1	2
Absorbed electric power	W	140	150
Duty cycle	-	100%	100%
External fan air flow	m ³ /h	570	570
Enclosure fan air flow	m ³ /h	570	570
Temperature limits	°C	-5 +55	-5 +55
Protection level EN60529 - enclosure side	-	IP54	IP54
Noise level	dB (A)	67	67
Weight	Kg	10	10
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

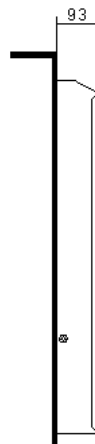
Accessories/Options	
0-60°C thermostat, NO 10A	AAFT012
5-60°C thermostat, change-over contact 10A	AAWTS10
Stainless steel version	
Special paint on request	



Dimensions



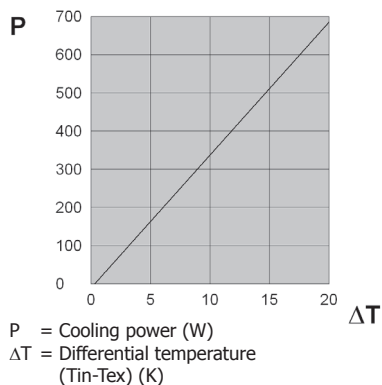
External



Internal



Performances

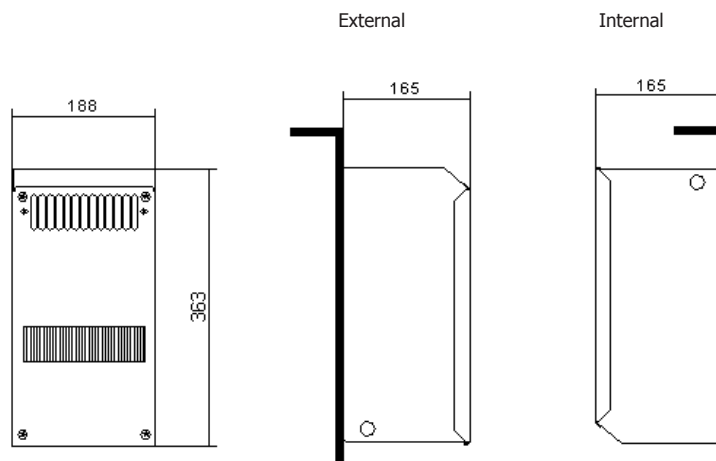


Characteristics	M.U.	MIX14BX0B	MIX14CX0B
Specific cooling power	W/K	14	14
Power supply	V ~ Hz	230 1~ 50-60	115 1~ 50-60
Width	mm	188	188
Height	mm	363	363
Depth	mm	165	165
Max. current	A	0,5	0,96
Fuse T	A	1	2
Absorbed electric power	W	72	80
Duty cycle	-	100%	100%
External fan air flow	m³/h	280	280
Enclosure fan air flow	m³/h	280	280
Temperature limits	°C	-5 +55	-5 +55
Protection level EN60529 - enclosure side	-	IP54	IP54
Noise level	dB (A)	59	60
Weight	Kg	7	7
Conformity	-	CE	CE
Colour	-	RAL 7035 orange peel effect	

Accessories/Options	
0-60°C thermostat, NO 10A	AAFT012
5-60°C thermostat, change-over contact 10A	AAWTS10
Stainless steel version	
Special paint on request	



Dimensions



Performances

