



### Fans and Grills

Roof exhaust fans  
Fans and filter grilles



### Thermoelectric units

Thermoelectric Units/Peltier Cells



### Air-to-water heat exchangers

Air-to-water heat exchangers  
HVAC Protection.



### Air Conditioners

10 Series  
20 Series  
30 Series  
40 series  
50 series



### Air Conditioners cURus

Indoor 10 series cURus  
Outdoor 10 series cURus  
Indoor 30 series cURus  
Outdoor 30 series cURus  
Cooling unit cURus OUTDOOR NEMA TYPE 4X



### Air-to-air heat exchangers

Air-to-air heat exchangers  
Air-to-air heat exchangers cRUus INDOOR  
Air-to-air heat exchangers cRUus OUTDOOR  
Air-to-air heat exchangers cURus OUTDOOR NEMA  
TYPE 4X



### Accessories cURus

Thermostats cURus  
Heaters cURus  
Cabinet lamp cURus  
Accessories for air conditioners.

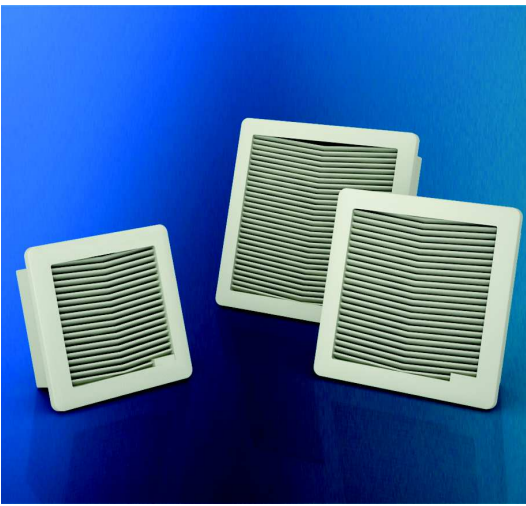


Warm air tends to move upwards by natural convection.  
Roof exhaust fans are a natural escape path for heat to flow out.

| Models    | Voltages/Frequencies [V/Hz] | Fan air flow rate [m <sup>3</sup> /h] | Dimensions (WxHxD) [mm] | Versions available (*) |
|-----------|-----------------------------|---------------------------------------|-------------------------|------------------------|
| MVT501*PH | 1 ~ 115/50-60               | 500                                   | 354x100x354             | 0-1                    |
| MVT501*TH | 1 ~ 230/50-60               | 500                                   | 354x100x354             | 0-1                    |

## Fans and Grills

## Fans and filter grilles



Quick Assembly without screws.  
Low external profile.

| Models     | Voltages/Frequencies<br>[V/Hz] | Fan air flow rate [m <sup>3</sup> /h] | Filter grille | Dimensions overall (WxHxD)<br>[mm] | Air flow direction |
|------------|--------------------------------|---------------------------------------|---------------|------------------------------------|--------------------|
| MVP0230JEN | 24 DC                          | 25                                    | MGF023EN      | 105 X 105                          | EXT --> INT        |
| MVP0230PEN | 1 ~ 115/50-60                  | 25                                    | MGF023EN      | 105 X 105                          | EXT --> INT        |
| MVP0230TEN | 1 ~ 230/50-60                  | 25                                    | MGF023EN      | 105 X 105                          | EXT --> INT        |
| MVP0630JEN | 24 DC                          | 60                                    | MGF063EN      | 150 X 150                          | EXT --> INT        |
| MVP0630PEN | 1 ~ 115/50-60                  | 60                                    | MGF063EN      | 150 X 150                          | EXT --> INT        |
| MVP0630TEN | 1 ~ 230/50-60                  | 60                                    | MGF063EN      | 150 X 150                          | EXT --> INT        |
| MVP1230JEN | 24 DC                          | 120                                   | MGF123EN      | 204 X 204                          | EXT --> INT        |
| MVP1230PEN | 1 ~ 115/50-60                  | 120                                   | MGF123EN      | 204 X 204                          | EXT --> INT        |
| MVP1230TEN | 1 ~ 230/50-60                  | 120                                   | MGF123EN      | 204 X 204                          | EXT --> INT        |
| MVP2530JEN | 24 DC                          | 250                                   | MGF253EN      | 250 X 250                          | EXT --> INT        |
| MVP2530PEN | 1 ~ 115/50-60                  | 250                                   | MGF253EN      | 250 X 250                          | EXT --> INT        |
| MVP2530TEN | 1 ~ 230/50-60                  | 250                                   | MGF253EN      | 250 X 250                          | EXT --> INT        |
| MVP5030PEN | 1 ~ 115/50-60                  | 500                                   | MGF503EN      | 325 X 325                          | EXT --> INT        |
| MVP5030TEN | 1 ~ 230/50-60                  | 500                                   | MGF503EN      | 325 X 325                          | EXT --> INT        |

## Thermoelectric units

## Thermoelectric Units/Peltier Cells



The MKS units base on their operating principle on the use of thermoelectric technology, more specifically, Peltier cells. Peltier technology is optimal for cooling and heating applications of control cabinets.

### FEATURES

Extremely limited overall dimensions and weights;  
Operation in any position.  
Quiet operation  
Vibration immunity.

| Models    | Voltages/Frequencies [V/Hz] | Dimensions (WxHxD) [mm] | Cooling power A35-A35 [W] |
|-----------|-----------------------------|-------------------------|---------------------------|
| MUP0711JH | 24 DC                       | 245x205x170             | 70                        |
| MUP1511JH | 24 DC                       | 245X310X185             | 150                       |



## Air-to-water heat exchangers

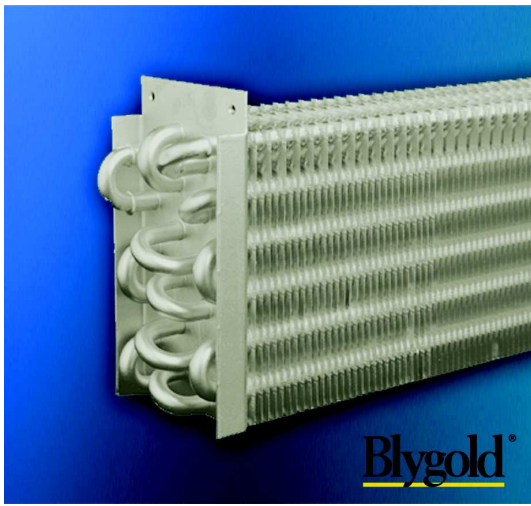
## Air-to-water heat exchangers

The air-water heat exchanger, by using the principle of thermal conductivity, removes heat from a electrical cabinet using water as the medium of heat exchange. It does not require routine maintenance and has a high cooling power in a small size, providing a valid alternative to other air conditioning systems.

### FEATURES

Radial, ball bearing and high flow fans;  
 Solenoid valve to closing/opening water outlet;  
 Operating safety: a special (patented) air labyrinth prevents water ingress in the cabinet in all conditions;  
 Maximum accessibility for inspection, cleaning and maintenance of internal parts.

| Models    | Voltages/Frequencies<br>[V/Hz] | Dimensions (WxHxD) [mm] | Wall (P)/Roof (T) | Versions available (*) | Cooling capacity<br>A35-W10-200L/h [W] |
|-----------|--------------------------------|-------------------------|-------------------|------------------------|--|
| MWP062*TH | 1 ~ 230/50-60                  | 310x410x115             | P                 | 0                      | 700                                    |
| MWP064*TH | 1 ~ 230/50-60                  | 280x560x140             | P                 | 0-1                    | 700                                    |
| MWP202*TH | 1 ~ 230/50-60                  | 360X830X113             | P                 | 0-1                    | 1800                                   |
| MWT202*TH | 1 ~ 230/50-60                  | 600X310X365             | T                 | 2                      | 1800                                   |



## Air-to-water heat exchangers

## HVAC Protection.

Heat exchangers are subject to severe corrosion because of their construction, which usually combines dissimilar metals, and because of polluted air passing through them. Corrosion and pollution will directly affect the performance of the air conditioning system.

Blygold coatings provide a long lasting corrosion protection for heat exchangers. They seal off the heat exchanger from the environment, without affecting heat transfer and pressure drop.

The Blygold Formula:

- Prevents corrosion of heat exchangers.
- Can triple the lifetime of the heat exchanger.
- Results in annual savings up to 30% on energy costs of your climate system.



## Air Conditioners

## 10 Series

The innovative 10 Series "Extra Slim" air conditioners, is the solution to integrated air-conditioning requirements for door mounting or mounting beside the cabinet. Power up to 2700W in just 160 mm depth. The whole range is designed to run without maintenance and therefore without filters (except for special environments).

### FEATURES

- Electronic thermostat for all models (without display);
- Timer to control compressor starts;
- High temperature alarm signal;
- "Zero-Cross Switching" function;
- "Open Doors" check;
- Three mounting versions for a single drilling template: Outdoor (O), Semi-recessed (S) and Fully recessed (I);
- Totally Exterior-mounted version (E);
- No chance of condensation inside the cabinet;
- Quick and easy maintenance;
- Operating temperature up to 55° C inside/outside cabinet;
- Suitable for outdoor use;
- Quick coupling connectors;
- Dual frequency 50/60 Hz;
- Structure made of "Aluzink". Rust resistance to over 600 hours of saline mist.

| Models      | Voltages/Frequencies<br>[V/Hz] | Cooling capacity A35-A35<br>[W] | Dimensions (WxHxD) [mm] | Versions available (*) | Available Mounts (\$) |
|-------------|--------------------------------|---------------------------------|-------------------------|------------------------|-----------------------|
| MKP111*CH\$ | 3 ~ 400/50 3 ~ 460/60          | 1100                            | 495x1640x162            | 7                      | I - S - O - E         |
| MKP111*REI  | 2 ~ 400/50-60                  | 1100                            | 495x1640x162            | 1                      | I                     |
| MKP111*TEI  | 1 ~ 230/50-60                  | 1100                            | 495x1640x162            | 1-6                    | I                     |
| MKP111*TH\$ | 1 ~ 230/50-60                  | 1100                            | 495x1640x162            | 7                      | I - S - O - E         |
| MKP151*CH\$ | 3 ~ 400/50 3 ~ 460/60          | 1500                            | 495x1640x162            | 7                      | I - S - O - E         |
| MKP151*TH\$ | 1 ~ 230/50-60                  | 1500                            | 495x1640x162            | 7                      | I - S - O - E         |
| MKP201*CH\$ | 3 ~ 400/50 3 ~ 460/60          | 2200                            | 495x1640x162            | 7                      | I - S - O - E         |
| MKP201*TH\$ | 1 ~ 230/50-60                  | 2200                            | 495x1640x162            | 7                      | I - S - O - E         |
| MKP271*CH\$ | 3 ~ 400/50 3 ~ 460/60          | 2700                            | 495x1640x162            | 7                      | I - S - O - E         |
| MKP271*TH\$ | 1 ~ 230/50-60                  | 2700                            | 495x1640x162            | 7                      | I - S - O - E         |



## Air Conditioners

## 20 Series

20 Series conditioners are designed for severe conditions. Two classes are available:  
E (Europe) for use at temperatures below 50 °C outside the cabinet and 45 °C inside; H (High) for external/internal temperatures up to 55 °C.

### FEATURES

Temperature control;  
Radial, ball bearing and high flow fans;  
Prevention of thermal "short circuits" by separation between openings and air routes;  
  
Quick and easy maintenance.

| Models    | Voltages/Frequencies<br>[V/Hz] | Cooling capacity A35-A35<br>[W] | Dimensions (WxHxD) [mm] | Wall (P)/Roof (T) | Versions available (*) |
|-----------|--------------------------------|---------------------------------|-------------------------|-------------------|------------------------|
| MKP052*RE | 2 ~ 400/50-60                  | 450                             | 300x620x170             | P                 | 0                      |
| MKP052*TE | 1 ~ 230/50-60                  | 450                             | 300x620x170             | P                 | 0-1                    |
| MKP082*RH | 2 ~ 400/50-60                  | 760                             | 350X800X195             | P                 | 1                      |
| MKP082*TH | 1 ~ 230/50-60                  | 760                             | 350X800X195             | P                 | 0-1-2-3                |
| MKP082*TU | 1 ~ 230/50-60                  | 760                             | 350X800X195             | P                 | 1                      |
| MKP102*RE | 2 ~ 400/50-60                  | 1020                            | 350x800x195             | P                 | 1                      |
| MKP102*RH | 2 ~ 400/50-60                  | 960                             | 350X800X195             | P                 | 3                      |
| MKP102*TE | 1 ~ 230/50-60                  | 1020                            | 350X800X195             | P                 | 0-1-3                  |
| MKP102*TH | 1 ~ 230/50-60                  | 960                             | 350X800X195             | P                 | 3                      |
| MKP112*PU | 1 ~ 115/50-60                  | 960                             | 350x800x195             | P                 | 1                      |
| MKP112*RH | 2 ~ 400/50-60                  | 960                             | 350x800x195             | P                 | 1                      |
| MKP112*TH | 1 ~ 230/50-60                  | 960                             | 350x800x195             | P                 | 1-2                    |
| MKP152*RH | 2 ~ 400/50-60                  | 1460                            | 400X900X195             | P                 | 1                      |
| MKP152*TH | 1 ~ 230/50-60                  | 1460                            | 400X900X195             | P                 | 1-2                    |
| MKP172*RE | 2 ~ 400/50-60                  | 1520                            | 400x900x195             | P                 | 1                      |
| MKP172*TE | 1 ~ 230/50-60                  | 1520                            | 400x900x195             | P                 | 1                      |
| MKP202*BH | 3 ~ 400/50 - 440/60            | 1900                            | 400x1000x220            | P                 | 1                      |
| MKP202*RE | 2 ~ 400/50-60                  | 1900                            | 400x1000x220            | P                 | 1                      |
| MKP202*RH | 2 ~ 400/50-60                  | 1900                            | 400x1000x220            | P                 | 1                      |
| MKP202*TE | 1 ~ 230/50-60                  | 1900                            | 400x1000x220            | P                 | 1                      |
| MKP202*TH | 1 ~ 230/50-60                  | 1900                            | 400x1000x220            | P                 | 1-2                    |
| MKT052*TE | 1 ~ 230/50-60                  | 500                             | 600x340x350             | T                 | 1                      |
| MKT082*TH | 1 ~ 230/50-60                  | 760                             | 600x340x350             | T                 | 1-2                    |
| MKT102*PU | 1 ~ 115/50-60                  | 960                             | 600x340x350             | T                 | 1                      |
| MKT102*RE | 2 ~ 400/50-60                  | 1020                            | 600x340x350             | T                 | 1                      |
| MKT102*RH | 2 ~ 400/50-60                  | 960                             | 600x340x350             | T                 | 3                      |
| MKT102*TE | 1 ~ 230/50-60                  | 1020                            | 600x340x350             | T                 | 0-1                    |
| MKT112*TH | 1 ~ 230/50-60                  | 960                             | 600x340x350             | T                 | 1-2                    |
| MKT152*RH | 2 ~ 400/50-60                  | 1460                            | 700x400x400             | T                 | 1                      |



| Models    | Voltages/Frequencies<br>[V/Hz] | Cooling capacity A35-A35<br>[W] | Dimensions (WxHxD) [mm] | Wall (P)/Roof (T) | Versions available (*) |
|-----------|--------------------------------|---------------------------------|-------------------------|-------------------|------------------------|
| MKT152*TH | 1 ~ 230/50-60                  | 1460                            | 700x400x400             | T                 | 1-2                    |
| MKT172*RE | 2 ~ 400/50-60                  | 1520                            | 700x400x400             | T                 | 1                      |
| MKT172*TE | 1 ~ 230/50-60                  | 1520                            | 700x400x400             | T                 | 1                      |
| MKT202*BH | 3 ~ 400/50 - 440/60            | 1900                            | 700x430x400             | T                 | 1-2                    |
| MKT202*RH | 2 ~ 400/50-60                  | 1900                            | 700x430x400             | T                 | 1                      |
| MKT202*TE | 1 ~ 230/50-60                  | 1900                            | 700x430x400             | T                 | 1-2                    |
| MKT202*TH | 1 ~ 230/50-60                  | 1900                            | 700x430x400             | T                 | 1-2                    |
| MKT252*BH | 3 ~ 400/50 - 440/60            | 2500                            | 800x470x450             | T                 | 1                      |
| MKT302*BH | 3 ~ 400/50 - 440/60            | 3100                            | 800x470x450             | T                 | 1                      |
| MKT402*BH | 3 ~ 400/50 - 440/60            | 3800                            | 800x470x450             | T                 | 1                      |



## Air Conditioners

## 30 Series

The 30 Series air conditioners were designed for air conditioning requirements of ETH cabinets and horizontal cabinets.

### FEATURES.

Temperature control,  
 Radial, ball bearing and high flow fans,  
 Prevention of thermal "short circuits" by separation between openings and air routes;  
 Quick and easy maintenance.

| Models        | Voltages/Frequencies<br>[V/Hz] | Cooling capacity A35-A35<br>[W] | Dimensions (WxHxD) [mm] | Wall (P)/Roof (T) | Versions available (*) |
|---------------|--------------------------------|---------------------------------|-------------------------|-------------------|------------------------|
| MKH033*TE(\$) | 1 ~ 230 50/60                  | 340                             | 450x340x170             | 0-1               | 1 - S - E              |
| MKP053*ZH     | 2 - 500/50-60                  | 500                             | 300X650X185             | P                 | 2 - 3 - 8              |
| MKP053*FH     | 2 - 400-460/50-60              | 500                             | 300X650X185             | P                 | 2 - 3 - 8              |
| MKP053*PH     | 1 - 115/50-60                  | 500                             | 300X650X185             | P                 | 2                      |
| MKP053*QH     | 2 - 460/50-60                  | 500                             | 300X650X185             | P                 | 2 - 3 - 8              |
| MKP053*RH     | 2 - 400/50-60                  | 500                             | 300X650X185             | P                 | 2 - 3 - 8              |
| MKP053*TH     | 1 - 230/50-60                  | 500                             | 300X650X185             | P                 | 2 - 3 - 8              |
| MKP083*FH     | 2 - 400-460/50-60              | 800                             | 350X800X205             | P                 | 2 - 3 - 8              |
| MKP083*PH     | 1 - 115/50-60                  | 800                             | 350X800X205             | P                 | 2 - 3 - 8              |
| MKP083*QH     | 2 - 460/50-60                  | 800                             | 350X800X205             | P                 | 2 - 3 - 8              |
| MKP083*RH     | 2 - 400/50-60                  | 800                             | 350X800X205             | P                 | 2 - 3 - 8              |
| MKP083*TH     | 1 ~ 230/50-60                  | 800                             | 350X800X205             | P                 | 2 - 3 - 8              |
| MKP083*ZH     | 2 - 500/50-60                  | 800                             | 350X800X205             | P                 | 2 - 3 - 8              |
| MKP103*FH     | 2 - 400-460/50-60              | 1050                            | 350X800X195             | P                 | 2 - 3 - 8              |
| MKP103*PH     | 1 - 115/50-60                  | 1050                            | 350X800X195             | P                 | 2 - 3 - 8              |
| MKP103*QH     | 2 - 460/50-60                  | 1050                            | 350X800X195             | P                 | 2 - 3 - 8              |
| MKP103*RH     | 2 - 400/50-60                  | 1050                            | 350X800X195             | P                 | 2 - 3 - 8              |
| MKP103*TH     | 1 - 230/50-60                  | 1050                            | 350X800X195             | P                 | 2 - 3 - 8              |
| MKP103*ZH     | 2 - 500/50-60                  | 1050                            | 350X800X195             | P                 | 2 - 3 - 8              |
| MKP153*FH     | 2 - 400-460/50-60              | 1570                            | 400X950X205             | P                 | 2 - 3 - 8              |
| MKP153*PH     | 1 - 115/50-60                  | 1570                            | 400X950X205             | P                 | 2 - 3 - 8              |
| MKP153*QH     | 2 - 460/50-60                  | 1570                            | 400X950X205             | P                 | 2 - 3 - 8              |
| MKP153*RH     | 2 - 400/50-60                  | 1570                            | 400X950X205             | P                 | 2 - 3 - 8              |
| MKP153*T      | 1 - 230/50-60                  | 1570                            | 400X950X205             | P                 | 2 - 3 - 8              |
| MKP153*ZH     | 2 - 500/50-60                  | 1570                            | 400X950X205             | P                 | 2 - 3 - 8              |
| MKP203*BH     | 3 - 400/50 3 - 440/60          | 2000                            | 420X1260X270            | P                 | 2 - 3 - 8              |
| MKP203*CH     | 3 - 400/50 3 - 460/60          | 2000                            | 420X1260X270            | P                 | 2 - 3 - 8              |
| MKP203*FH     | 2 - 400-460/50-60              | 2000                            | 420X1260X270            | P                 | 2 - 3 - 8              |
| MKP203*PH     | 1 - 115/50-60                  | 2000                            | 420X1260X270            | P                 | 2 - 3 - 8              |

| Models    | Voltages/Frequencies<br>[V/Hz] | Cooling capacity A35-A35<br>[W] | Dimensions (WxHxD) [mm] | Wall (P)/Roof (T) | Versions available (*) |
|-----------|--------------------------------|---------------------------------|-------------------------|-------------------|------------------------|
| MKP203*QH | 2 - 460/50-60                  | 2000                            | 420X1260X270            | P                 | 2 - 3 - 8              |
| MKP203*RH | 2 - 400/50-60                  | 2000                            | 420X1260X270            | P                 | 2 - 3 - 8              |
| MKP203*TH | 1 - 230/50-60                  | 2000                            | 420X1260X270            | P                 | 2 - 3 - 8              |
| MKP203*ZH | 2 - 500/50-60                  | 2000                            | 420X1260X270            | P                 | 2 - 3 - 8              |
| MKP253*BH | 3 - 400/50 3 - 440/60          | 2500                            | 420X1255X270            | P                 | 2 - 3 - 8              |
| MKP253*CH | 3 - 400/50 3 - 460/60          | 2500                            | 420X1255X270            | P                 | 2 - 3 - 8              |
| MKP303*CH | 3 - 400/50 - 460/60            | 3000                            | 520X1410X300            | P                 | 2 - 3 - 7 - 8          |
| MKP403*CH | 3 - 400/50 - 460/60            | 3800                            | 520X1410X300            | P                 | 2 - 3 - 7 - 8          |
| MKT083*FH | 2 - 400-460/50-60              | 800                             | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT083*PH | 1 - 115/50-60                  | 800                             | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT083*QH | 2 - 460/50-60                  | 800                             | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT083*RH | 2 - 400/50-60                  | 800                             | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT083*TH | 1 ~ 230/50-60                  | 800                             | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT083*ZH | 2 - 500/50-60                  | 800                             | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT103*FH | 2 - 400-460/50-60              | 1050                            | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT103*PH | 1 - 115/50-60                  | 1050                            | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT103*QH | 2 - 400/50-60                  | 1050                            | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT103*RH | 2 - 400/50-60                  | 1050                            | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT103*TH | 1 ~ 230/50-60                  | 1050                            | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT103*ZH | 2 - 500/50-60                  | 1050                            | 350X340X600             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT153*FH | 2 - 400-460/50-60              | 1570                            | 400X400X700             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT153*PH | 1 - 115/50-60                  | 1570                            | 400X400X700             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT153*QH | 2 - 460/50-60                  | 1570                            | 400X400X700             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT153*RH | 2 - 400/50-60                  | 1570                            | 400X400X700             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT153*TH | 1 ~ 230/50-60                  | 1570                            | 400X400X700             | T                 | 0 - 1 - 2 - 3 - 8      |
| MKT153*ZH | 2 - 500/50-60                  | 1570                            | 400X400X700             | T                 | 0 - 1 - 2 - 3 - 8      |



## Air Conditioners

40 series

The 40 Series is the natural evolution of the 20 Series product. The result is obtained from the experience of meeting increasingly specific market requirements. A line designed for use under normal conditions without requiring maintenance, no filter, and no chance of condensation inside the cabinet.

As for the 20 Series, two types are available: E (Europe) for use at temperatures below 50 °C outside the cabinet and 45 °C inside; H (High) for external/internal temperatures up to 55 °C.

### FEATURES

- Quick assembly;
- No chance of condensation inside the cabinet;
- Connectors for electrical connections;
- Quick and easy maintenance.

| Models       | Voltages/Frequencies<br>[V/Hz] | Cooling capacity A35-A35<br>[W] | Dimensions (WxHxD) [mm] | Wall (P)/Roof (T) | Versions available (*) |
|--------------|--------------------------------|---------------------------------|-------------------------|-------------------|------------------------|
| MKP024*TEAX1 | 1 ~ 230/50-60                  | 240                             | 393x500x140             | P                 | 0                      |
| MKP034*TE    | 1 ~ 230/50-60                  | 340                             | 350x485x165             | P                 | 0                      |
| MKP034*TH    | 1 ~ 230/50-60                  | 340                             | 350x485x165             | P                 | 0                      |
| MKP404*BH    | 3 ~ 400/50 - 440/60            | 3800                            | 502x1406x300            | P                 | 1-2-3                  |

NEW



## Air-to-air heat exchangers

## Air-to-air heat exchangers

The air-to-air heat exchanger, exploiting the principle of thermal conductivity of a finned aluminum coil, removes heat from a cabinet. The exchange takes place as air flows (inside to outside) through the aluminium fins, ensuring perfect separation of the inside of cabinet from the external environment. Dust, moisture and fumes cannot penetrate.

### FEATURES

- Radial, ball bearing and high flow fans;
- Aluminium finned coil with high specific thermal power, easy to disassemble and clean (MKS patent);
- Outdoor mounting, indoor for wall-mount models;
- Maximum accessibility for inspection, cleaning and maintenance of internal parts.

| Models     | Voltages/Frequencies<br>[V/Hz] | Dimensions (WxHxD) [mm] | Wall (P)/Roof (T) | Specific power [W/K] | Versions available (*) |
|------------|--------------------------------|-------------------------|-------------------|----------------------|------------------------|
| MSP174*PH  | 1 ~ 115/50-60                  | 280X710X100             | P                 | 17                   | 0-1                    |
| MSP174*TH  | 1 ~ 230/50-60                  | 280X710X100             | P                 | 17                   | 0-1                    |
| MSP174*THI | 1 ~ 230/50-60                  | 280X710X100             | P                 | 17                   | 0-1                    |
| MSP404*PH  | 1 ~ 115/50-60                  | 335X790X100             | P                 | 40                   | 0-1                    |
| MSP404*TH  | 1 ~ 230/50-60                  | 335X790X100             | P                 | 40                   | 0-1                    |
| MSP554*PH  | 1 ~ 115/50-60                  | 400X950X100             | P                 | 60                   | 0-1                    |
| MSP554*TH  | 1 ~ 230/50-60                  | 400X950X100             | P                 | 60                   | 0-1                    |



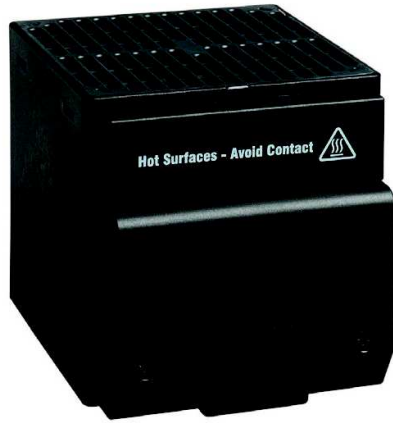
The MTS series thermostats provide constant temperature control wherever it is necessary to not exceed predetermined values (e.g. electrical cabinets).

The MHD/MHS series hygostats, add to temperature control the possibility of independent control of the percentage of relative humidity in the air.

Exceeding the maximum thresholds of preset temperature (MTS series) or humidity (MHD/MHS series) levels generates an output signal.

The use of MTS series thermostats and MHD/MHS hygostats series is recommended for all applications that require the use of cooling and/or heating systems.

| Models | Field of application | Contact type |
|--------|----------------------|--------------|
| MHD01U | 40-100% RH           | NC + NO      |
| MHS01U | 35-100% RH           | NC + NO      |
| MTS11U | 5-60°C               | NO + NC      |
| MTS12U | 0-60°C               | NC           |
| MTS13U | 0-60°C               | NO           |



## Accessories cURus

## Heaters cURus

MRA/MRV series heaters for electric cabinets are used to prevent the formation of condensation and ensure uniform temperature in the cabinet. Hot air is circulated by natural convection.

To improve the thermal efficiency of the heaters an axial fan can be added to ensure an optimal distribution of hot air inside the cabinet.

| Models | Voltages/Frequencies [V/Hz] | Heating capacity [W] |
|--------|-----------------------------|----------------------|
| MRA05U | 120:140 ac-dc / 50-60       | 50                   |
| MRA10U | 120:140 ac-dc / 50-60       | 100                  |
| MRA15U | 1 ~ 230/50-60               | 150                  |
| MRV25U | 1 ~ 230/50-60               | 250                  |



## Accessories cURus

## Cabinet lamp cURus

The MLP compact lamp has been specially designed to be used in electrical cabinets. Magnetic fastening provides trouble-free placement in the desired position.

The lamp-holder with integrated grip allows the use of additional electrical appliances.

| Models | Voltages/Frequencies [V/Hz] | Type |
|--------|-----------------------------|------|
| MLP15U | 100-240Vac, 5W, 50/60       | led  |
| MLP16U | 100-240Vac, 50W, 50/60      | led  |





## Accessories cURus

Accessories for air conditioners.

### Models

MKX54...

MKXDC...

MKXF...