

SINCERE  
INNOVATION

# COOLING MALL

Micro-Channel Heat Exchanger

**For Commercial Refrigeration Application**



Standard Product Catalogue

# About COOLING MALL >

CoolingMall company, integrating research, production and sales, is a leading manufacture of high efficiency Micro Channel Heat Exchanges, Thermo Siphon, innovative heat exchangers and liquid cooling systems in China.

CoolingMall company, as a key investment project in Zhejiang Province, has been highly valued by local government, received many policy support and bonus incentives. CoolingMall has passed ISO9001 quality management system certification, IATF16949 quality system certification, etc.

About productitvity, CoolingMall company has two production bases in Hangzhou, **annual productivity over 2Million pieces of heat exchanger**. In addition, a new production base in Canton is under construction, with estimated annual productivity over 0.5Million pieces of heat exchanger. The R&D team located in Hangzhou, consisting of **3 PhD engineers and 8 master degree engineers**, all of them are top professional engineers in cooling industry, with rich application experience.

CoolingMall company has an average of **more than 30 invention patents per year**. Our high-tech R&D team is committed to the research of high efficiency heat exchange technology in order to provide customers with most professional solutions.

In order to improve response speed and service quality, CoolingMall made creative innovation in Heat exchanger industry, developed a series of **selection software, in 5min, you can design a new micro channel heat exchanger** by yourself. Satisfaction will exceed your expectations.



# DIRECTORY

## MCHE FOR COMMERCIAL REFRIGERATION

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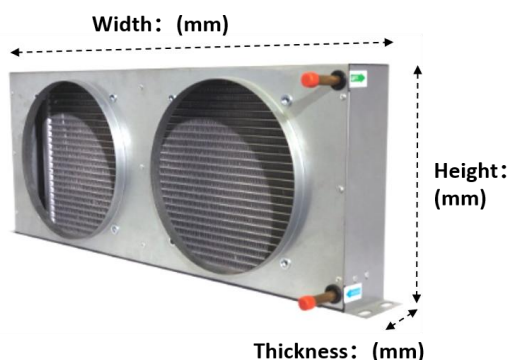
## Display Cabinet Application



| Working Condition       |       |
|-------------------------|-------|
| Refrigerant             | R290  |
| Environment Temp.       | 32°C  |
| Air Flow                | 2 m/s |
| Refrigerant Inlet Temp. | 67°C  |
| Condensing Temp.        | 47°C  |
| Sub Cooling             | 2°C   |



| Model No.   | Width<br>mm | Height<br>mm | Thickness<br>mm | Capacity<br>W | Rows | Type | Inlet Dia.<br>mm | Outlet Dia.<br>mm | No. of<br>Fans | Fan dia.<br>Φ |
|-------------|-------------|--------------|-----------------|---------------|------|------|------------------|-------------------|----------------|---------------|
| CL-KXC011   | 328         | 237.2        | 16              | 1469          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-KXC010   | 340         | 340.6        | 16              | 2068          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-KC001    | 340         | 340.6        | 16              | 2210          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-SM043    | 343.6       | 346.8        | 108             | 1953          | 1    | PP   | Φ 8              | Φ 8               | 1              | 300           |
| CL-SM045    | 360         | 260          | 78              | 1707          | 1    | PP   | Φ 9.52           | Φ 9.52            | 1              | 230           |
| CL-KC002    | 365         | 378.2        | 16              | 2692          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-RLA006   | 370         | 282.6        | 93.3            | 2127          | 1    | PP   | Φ 8              | Φ 8               | 1              | 250           |
| CL-RWC003   | 380         | 237.2        | 16              | 1559          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-SM035    | 385         | 348          | 16              | 2617          | 1    | PP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-SM042    | 385.6       | 240.8        | 68              | 1559          | 1    | PP   | Φ 8              | Φ 8               | 1              | 200           |
| CL-KC003    | 400         | 378.2        | 25.4            | 3220          | 1    | PP   | Φ 9.52           | Φ 8               | N/A            | N/A           |
| CL-SM009    | 400         | 282          | 88              | 2147          | 1    | PP   | Φ 9.52           | Φ 9.52            | 1              | 250           |
| CL-PL003    | 451.6       | 229.4        | 60              | 1954          | 1    | PP   | Φ 8              | Φ 8               | 2              | N/A           |
| CL-PL002    | 511.6       | 255.5        | 60              | 2565          | 1    | PP   | Φ 8              | Φ 8               | 2              | 200           |
| CL-SM041    | 585.6       | 240.8        | 68              | 2538          | 1    | PP   | Φ 9.52           | Φ 9.52            | 2              | 230           |
| CL-AZX005-1 | 586.6       | 245.8        | 84.5            | 2860          | 1    | PP   | Φ 9.52           | Φ 9.52            | 2              | 200           |
| CL-SM024    | 750         | 230          | 68              | 3188          | 1    | PP   | Φ 8              | Φ 8               | 3              | N/A           |
| CL-SM025    | 800         | 260          | 78              | 4161          | 1    | PP   | Φ 8              | Φ 8               | 3              | 230           |
| CL-GSZ006   | 1600        | 115          | 85              | 4803          | 2    | PP   | Φ 9.52           | Φ 8               | N/A            | N/A           |



|                                |                                                                                                                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ambient Temperature</b>     | -40°C ~ 72°C (-40°F to 161.6°F)                                                                                                                                                                     |
| <b>Refrigerant Temperature</b> | -40°C to 150°C (-40°F to 302°F)                                                                                                                                                                     |
| <b>Burst Pressure</b>          | ≥13.5MPa                                                                                                                                                                                            |
| <b>Working Medium</b>          | R410A\ R134a\ R22\ R290\ R407C\ R404A\ R454B and other commonly used refrigerant, Antifreeze (Ethylene glycol), Fluorinated liquid, polydimethylsiloxane, Hydraulic oil and other insulating media. |

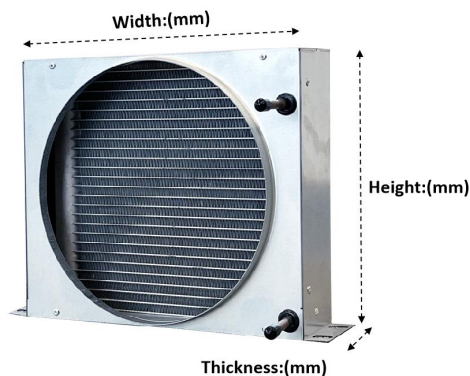
## Display Cabinet Application



| Working Condition       |       |
|-------------------------|-------|
| Refrigerant             | R290  |
| Environment Temp.       | 32°C  |
| Air Flow                | 2 m/s |
| Refrigerant Inlet Temp. | 67°C  |
| Condensing Temp.        | 47°C  |
| Sub Cooling             | 2°C   |



| Model No. | Width<br>mm | Height<br>mm | Thickness<br>mm | Capacity<br>W | Rows | Type | Inlet Dia.<br>mm | Outlet Dia.<br>mm | No. of<br>Fans | Fan dia.<br>Φ |
|-----------|-------------|--------------|-----------------|---------------|------|------|------------------|-------------------|----------------|---------------|
| CL-BY002  | 136.6       | 273.2        | 57.2            | 747.8         | 1    | SP   | Φ 6.35           | Φ 6.35            | 2              | 120           |
| CL-BY003  | 194         | 204.4        | 60.6            | 658.6         | 1    | SP   | Φ 4.95           | Φ 4.95            | 1              | 120           |
| CL-SM027  | 221.8       | 327.5        | 65              | 1406          | 1    | SP   | Φ 6.35           | Φ 6.35            | 2              | 150           |
| CL-AZX007 | 223.6       | 221.8        | 60              | 939.6         | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 200           |
| CL-LA006  | 226.6       | 332.8        | 50              | 1239          | 1    | PP   | Φ 8              | Φ 8               | 2              | 150           |
| CL-XB008  | 250         | 340          | 16              | 1483          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-IA002  | 250         | 310.6        | 16              | 1483          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-RAX001 | 265         | 219.5        | 70              | 967.8         | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 200           |
| CL-RWC002 | 266         | 253.8        | 25.4            | 1353          | 1    | SP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-SM002  | 270         | 233          | 68              | 1026          | 1    | PP   | Φ 8              | Φ 8               | 1              | 200           |
| CL-SM028  | 270.6       | 259          | 85.8            | 1272          | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 230           |
| CL-AZX004 | 274.6       | 215.8        | 80.8            | 1152          | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 200           |
| CL-RAX002 | 275         | 252.6        | 70.3            | 1134          | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 200           |
| CL-SM006  | 280         | 260          | 78              | 1230          | 1    | PP   | Φ 8              | Φ 8               | 1              | 230           |
| CL-SM040  | 280.6       | 259.6        | 78              | 1127          | 1    | PP   | Φ 8              | Φ 8               | 1              | 230           |
| CL-SM003  | 283         | 225.6        | 88              | 1247          | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 200           |
| CL-SM034  | 300.7       | 330          | 16              | 1874          | 1    | PP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-SM044  | 308.6       | 281          | 97              | 1476          | 1    | PP   | Φ 8              | Φ 8               | 1              | 250           |



|                                |                                                                                                                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ambient Temperature</b>     | -40°C ~ 72°C (-40°F to 161.6°F)                                                                                                                                                                     |
| <b>Refrigerant Temperature</b> | -40°C to 150°C (-40°F to 302°F)                                                                                                                                                                     |
| <b>Burst Pressure</b>          | ≥13.5MPa                                                                                                                                                                                            |
| <b>Working Medium</b>          | R410A\ R134a\ R22\ R290\ R407C\ R404A\ R454B and other commonly used refrigerant, Antifreeze (Ethylene glycol), Fluorinated liquid, polydimethylsiloxane, Hydraulic oil and other insulating media. |

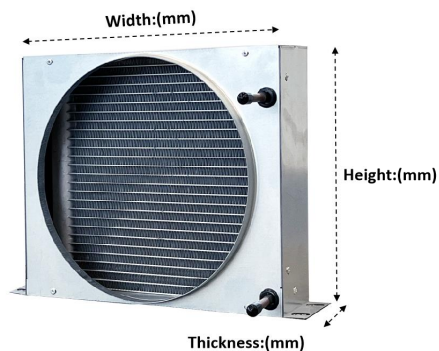
## Commercial Refrigerator Application



| Working Condition       |       |
|-------------------------|-------|
| Refrigerant             | R290  |
| Environment Temp.       | 32°C  |
| Air Flow                | 2 m/s |
| Refrigerant Inlet Temp. | 67°C  |
| Condensing Temp.        | 47°C  |
| Sub Cooling             | 2°C   |



| Model No. | Width<br>mm | Height<br>mm | Thickness<br>mm | Capacity<br>W | Rows | Type | Inlet Dia.<br>mm | Outlet Dia.<br>mm | No. of<br>Fans | Fan dia.<br>Φ |
|-----------|-------------|--------------|-----------------|---------------|------|------|------------------|-------------------|----------------|---------------|
| CL-SM002  | 270         | 233          | 68              | 1026          | 1    | PP   | Φ 8              | Φ 8               | 1              | 200           |
| CL-SM006  | 280         | 260          | 78              | 1230          | 1    | PP   | Φ 8              | Φ 8               | 1              | 230           |
| CL-SM040  | 280         | 260          | 78              | 1127          | 1    | PP   | Φ 8              | Φ 8               | 1              | 230           |
| CL-SM003  | 283         | 225.6        | 88              | 1247          | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 200           |
| CL-BL003  | 295         | 287.5        | 25.4            | 1656          | 1    | SP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-SM034  | 300         | 330          | 16              | 1874          | 1    | PP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-WW011  | 318         | 171.1        | 62.8            | 936.55        | 1    | SP   | Φ 6.35           | Φ 6.35            | 2              | 120           |
| CL-KXC011 | 328         | 237.2        | 16              | 1469          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-KXC010 | 340         | 340.6        | 16              | 2068          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-KC001  | 340         | 340.6        | 16              | 2210          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-SM045  | 360         | 260          | 78              | 1707          | 1    | PP   | Φ 9.52           | Φ 9.52            | 1              | 230           |
| CL-KC002  | 365         | 378.2        | 16              | 2692          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-RLA006 | 370         | 282.6        | 93.3            | 2127          | 1    | PP   | Φ 8              | Φ 8               | 1              | 250           |
| CL-SM035  | 385         | 348          | 16              | 2617          | 1    | PP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-KC003  | 400         | 378.2        | 25.4            | 3220          | 1    | PP   | Φ 9.52           | Φ 8               | N/A            | N/A           |
| CL-GS004  | 400         | 227.5        | 16              | 1711          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-GS003  | 450         | 285.8        | 94.5            | 2459          | 1    | PP   | Φ 8              | Φ 8               | 1              | 250           |



|                                |                                                                                                                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ambient Temperature</b>     | -40°C ~ 72°C (-40°F to 161.6 °F )                                                                                                                                                                   |
| <b>Refrigerant Temperature</b> | -40°C to 150°C (-40°F to 302°F)                                                                                                                                                                     |
| <b>Burst Pressure</b>          | ≥13.5MPa                                                                                                                                                                                            |
| <b>Working Medium</b>          | R410A\ R134a\ R22\ R290\ R407C\ R404A\ R454B and other commonly used refrigerant, Antifreeze (Ethylene glycol), Fluorinated liquid, polydimethylsiloxane, Hydraulic oil and other insulating media. |

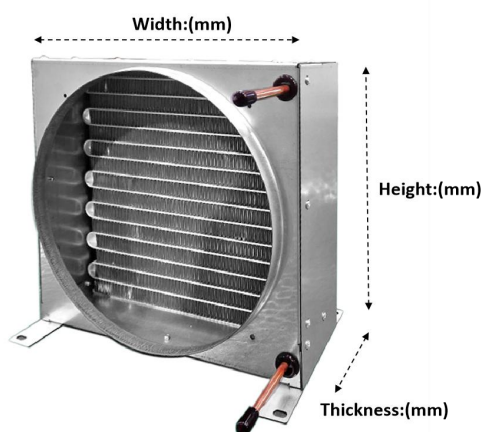
## Commercial Refrigerator Application



| Working Condition       |       |
|-------------------------|-------|
| Refrigerant             | R290  |
| Environment Temp.       | 32°C  |
| Air Flow                | 2 m/s |
| Refrigerant Inlet Temp. | 67°C  |
| Condensing Temp.        | 47°C  |
| Sub Cooling             | 2°C   |



| Model No. | Width<br>mm | Height<br>mm | Thickness<br>mm | Capacity<br>W | Rows | Type | Inlet Dia.<br>mm | Outlet Dia.<br>mm | No. of<br>Fans | Fan dia.<br>Φ |
|-----------|-------------|--------------|-----------------|---------------|------|------|------------------|-------------------|----------------|---------------|
| CL-BY002  | 136.6       | 273.2        | 57.2            | 747.8         | 1    | SP   | Φ 6.35           | Φ 6.35            | 2              | 120           |
| CL-WW012  | 168.6       | 151.5        | 46              | 411.2         | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 120           |
| CL-WW008  | 194         | 204.4        | 71.5            | 658.6         | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 172           |
| CL-BY003  | 194         | 204.4        | 60.6            | 658.6         | 1    | SP   | Φ 4.95           | Φ 4.95            | 1              | 120           |
| CL-SAF007 | 220         | 228.1        | 84              | 1098          | 1    | SP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-SM027  | 221.8       | 327.5        | 65              | 1406          | 1    | SP   | Φ 6.35           | Φ 6.35            | 2              | 150           |
| CL-AZX007 | 223.6       | 221.8        | 60              | 939.6         | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 200           |
| CL-LA006  | 226.6       | 332.8        | 50              | 1239          | 1    | PP   | Φ 8              | Φ 8               | 2              | 150           |
| CL-WW007  | 239         | 231.2        | 66.7            | 1114          | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 200           |
| CL-WW010  | 244.6       | 230          | 84.1            | 862           | 1    | PP   | Φ 6.2            | Φ 6.2             | 1              | 200           |
| CL-GS001  | 247         | 253.8        | 25.4            | 1254          | 1    | SP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-XB008  | 250         | 340          | 16              | 1483          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-IA002  | 250         | 310.6        | 16              | 1483          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-BL002  | 269.6       | 257          | 36.2            | 1351          | 1    | SP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-WW006  | 270.6       | 256          | 85.8            | 1272          | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 230           |
| CL-SM028  | 270.6       | 259          | 85.8            | 1272          | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 230           |



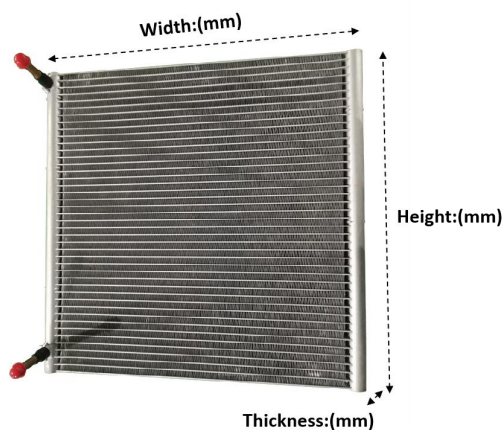
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|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ambient Temperature</b>     | -40°C ~ 72°C (-40°F to 161.6 °F )                                                                                                                                                                   |
| <b>Refrigerant Temperature</b> | -40°C to 150°C (-40°F to 302°F)                                                                                                                                                                     |
| <b>Burst Pressure</b>          | ≥9.5MPa                                                                                                                                                                                             |
| <b>Working Medium</b>          | R410A\ R134a\ R22\ R290\ R407C\ R404A\ R454B and other commonly used refrigerant, Antifreeze (Ethylene glycol), Fluorinated liquid, polydimethylsiloxane, Hydraulic oil and other insulating media. |

## Ice Machine Application

| Working Condition       |       |
|-------------------------|-------|
| Refrigerant             | R290  |
| Environment Temp.       | 32°C  |
| Air Flow                | 2 m/s |
| Refrigerant Inlet Temp. | 67°C  |
| Condensing Temp.        | 47°C  |
| Sub Cooling             | 2°C   |



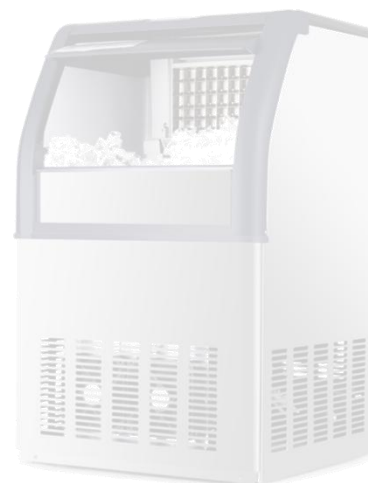
| Model No. | Width<br>mm | Height<br>mm | Thickness<br>mm | Capacity<br>W | Rows | Type | Inlet Dia.<br>mm | Outlet Dia.<br>mm | No. of<br>Fans | Fan dia.<br>Φ |
|-----------|-------------|--------------|-----------------|---------------|------|------|------------------|-------------------|----------------|---------------|
| CL-SM034  | 330.7       | 330          | 16              | 1874          | 1    | PP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-KXC010 | 340         | 340.6        | 16              | 2068          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-KC001  | 340         | 340.6        | 16              | 2210          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-SM045  | 360         | 260          | 78              | 1707          | 1    | PP   | Φ 9.52           | Φ 9.52            | 1              | 230           |
| CL-KC002  | 365         | 378.2        | 16              | 2692          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-RLA006 | 370         | 282.6        | 93.3            | 2127          | 1    | PP   | Φ 8              | Φ 8               | 1              | 250           |
| CL-SK002  | 372         | 399.2        | 25.4            | 3101          | 1    | PP   | Φ 9.52           | Φ 9.52            | N/A            | N/A           |
| CL-SK005  | 380         | 158.2        | 16              | 1047          | 1    | PP   | Φ 9.52           | Φ 9.52            | N/A            | N/A           |
| CL-SM035  | 385         | 348          | 16              | 2617          | 1    | PP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-KC003  | 400         | 378.2        | 25.4            | 3220          | 1    | PP   | Φ 9.52           | Φ 8               | N/A            | N/A           |
| CL-SK004  | 420         | 197.4        | 16              | 1543          | 1    | PP   | Φ 8              | Φ 8               | N/A            | N/A           |
| CL-QZ003  | 485         | 249.6        | 87.3            | 2620          | 1    | PP   | Φ 8              | Φ 8               | 1              | 230           |
| CL-SK003  | 508         | 217          | 16              | 2192          | 1    | PP   | Φ 9.52           | Φ 9.52            | N/A            | N/A           |
| CL-QZ010  | 581         | 241          | 20              | 2751          | 1    | PP   | Φ 9.52           | Φ 9.52            | N/A            | N/A           |
| CL-QZ007  | 595         | 481          | 16              | 5747          | 1    | PP   | Φ 9.52           | Φ 9.52            | N/A            | N/A           |
| CL-QZ008  | 597         | 501          | 20              | 6006          | 1    | PP   | Φ 9.52           | Φ 9.52            | N/A            | N/A           |
| CL-QZ009  | 597         | 641          | 20              | 7643          | 1    | PP   | Φ 12.7           | Φ 12.7            | N/A            | N/A           |



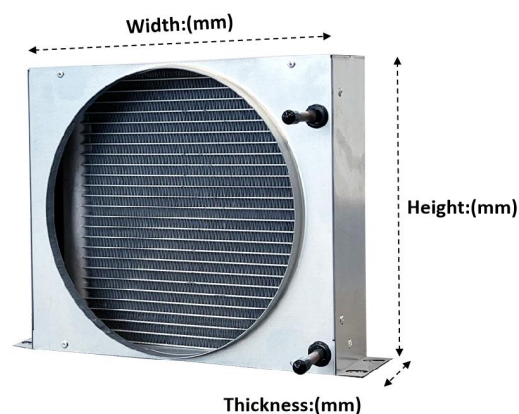
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|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ambient Temperature</b>     | -40°C ~ 72°C (-40°F to 161.6°F)                                                                                                                                                                     |
| <b>Refrigerant Temperature</b> | -40°C to 150°C (-40°F to 302°F)                                                                                                                                                                     |
| <b>Burst Pressure</b>          | ≥13.5MPa                                                                                                                                                                                            |
| <b>Working Medium</b>          | R410A\ R134a\ R22\ R290\ R407C\ R404A\ R454B and other commonly used refrigerant, Antifreeze (Ethylene glycol), Fluorinated liquid, polydimethylsiloxane, Hydraulic oil and other insulating media. |

## Ice Machine Application

| Working Condition       |       |
|-------------------------|-------|
| Refrigerant             | R290  |
| Environment Temp.       | 32°C  |
| Air Flow                | 2 m/s |
| Refrigerant Inlet Temp. | 67°C  |
| Condensing Temp.        | 47°C  |
| Sub Cooling             | 2°C   |



| Model No. | Width<br>mm | Height<br>mm | Thickness<br>mm | Capacity<br>W | Rows | Type | Inlet Dia.<br>mm | Outlet Dia.<br>mm | No. of<br>Fans | Fan dia.<br>Φ |
|-----------|-------------|--------------|-----------------|---------------|------|------|------------------|-------------------|----------------|---------------|
| CL-BY001  | 244.6       | 240.8        | 68              | 909.3         | 1    | PP   | Φ8               | Φ8                | 1              | 172           |
| CL-QZ006  | 145.3       | 203.6        | 43              | 226.4         | 1    | PP   | Φ8               | Φ8                | 1              | 120           |
| CL-LA006  | 226.6       | 332.8        | 50              | 1239          | 1    | PP   | Φ8               | Φ8                | 2              | 150           |
| CL-QZ002  | 244.6       | 240.8        | 68              | 847.7         | 1    | PP   | Φ8               | Φ8                | 1              | 200           |
| CL-XB008  | 250         | 340          | 16              | 1483          | 1    | PP   | Φ8               | Φ8                | N/A            | N/A           |
| CL-IA002  | 250         | 310.6        | 16              | 1483          | 1    | PP   | Φ8               | Φ8                | N/A            | N/A           |
| CL-SM002  | 270         | 233          | 68              | 1026          | 1    | PP   | Φ8               | Φ8                | 1              | 200           |
| CL-SM006  | 280         | 260          | 78              | 1230          | 1    | PP   | Φ8               | Φ8                | 1              | 230           |
| CL-SM040  | 280         | 260          | 78              | 1127          | 1    | PP   | Φ8               | Φ8                | 1              | 230           |
| CL-SK008  | 282         | 222          | 80              | 602.3         | 1    | PP   | Φ8               | Φ8                | 1              | 200           |
| CL-SK006  | 285         | 158.2        | 16              | 599.4         | 1    | PP   | Φ9.52            | Φ9.52             | N/A            | N/A           |
| CL-SK007  | 285         | 119          | 16              | 439.4         | 1    | PP   | Φ8               | Φ8                | N/A            | N/A           |
| CL-QZ005  | 288         | 246.6        | 20.6            | 1298          | 1    | PP   | Φ8               | Φ8                | N/A            | N/A           |
| CL-QZ004  | 296         | 251          | 68              | 1322          | 1    | PP   | Φ8               | Φ8                | 1              | 230           |
| CL-SK001  | 321         | 360          | 25.4            | 2304          | 1    | PP   | Φ9.52            | Φ9.52             | N/A            | N/A           |
| CL-KXC011 | 328         | 237.2        | 16              | 1469          | 1    | PP   | Φ8               | Φ8                | N/A            | N/A           |



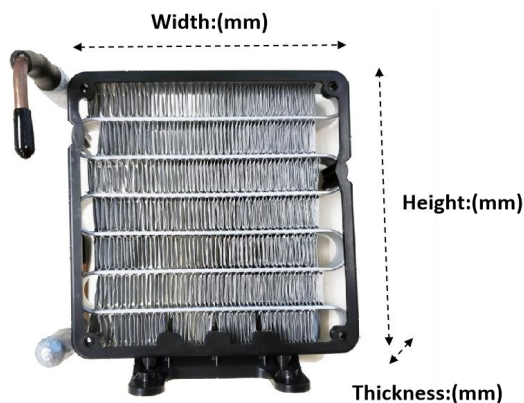
|                                |                                                                                                                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ambient Temperature</b>     | -40°C ~ 72°C (-40°F to 161.6 °F )                                                                                                                                                                   |
| <b>Refrigerant Temperature</b> | -40°C to 150°C (-40°F to 302°F)                                                                                                                                                                     |
| <b>Burst Pressure</b>          | ≥13.5MPa                                                                                                                                                                                            |
| <b>Working Medium</b>          | R410A\ R134a\ R22\ R290\ R407C\ R404A\ R454B and other commonly used refrigerant, Antifreeze (Ethylene glycol), Fluorinated liquid, polydimethylsiloxane, Hydraulic oil and other insulating media. |

## Small/mini Appliance Application

| Working Condition       |       |
|-------------------------|-------|
| Refrigerant             | R290  |
| Environment Temp.       | 32°C  |
| Air Flow                | 2 m/s |
| Refrigerant Inlet Temp. | 67°C  |
| Condensing Temp.        | 47°C  |
| Sub Cooling             | 2°C   |



| Model No.  | Width<br>mm | Height<br>mm | Thickness<br>mm | Capacity<br>W | Rows | Type | Inlet Dia.<br>mm | Outlet Dia.<br>mm | No. of<br>Fans | Fan dia.<br>Φ |
|------------|-------------|--------------|-----------------|---------------|------|------|------------------|-------------------|----------------|---------------|
| CL-KCR001  | 100         | 103.2        | 62              | 129.17        | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 90            |
| CL-XE030-1 | 120         | 129.3        | 53.3            | 215.8         | 1    | SP   | Φ 4.76           | Φ 4.76            | N/A            | N/A           |
| CL-KV002   | 120.7       | 120.7        | 47.5            | 243.5         | 1    | SP   | Φ 4.9            | Φ 4.9             | N/A            | N/A           |
| CL-SJ003   | 124         | 127          | 24.5            | 221.38        | 1    | SP   | Φ 4.76           | Φ 4.76            | 1              | 120           |
| CL-JZ001   | 130.4       | 118.4        | 47.5            | 243.5         | 1    | SP   | Φ 4.9            | Φ 4.9             | N/A            | N/A           |
| CL-CDQ004  | 145.6       | 132.6        | 41              | 292.1         | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 90            |
| CL-ER001   | 149         | 121.6        | 25.4            | 314.8         | 1    | SP   | Φ 4              | Φ 6.35            | N/A            | N/A           |
| CL-RLA002  | 150         | 148.4        | 25.4            | 407.5         | 1    | SP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-RLA007  | 164         | 149          | 16              | 411.2         | 1    | SP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-FTFX001 | 168.6       | 153.9        | 46              | 411.2         | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 120           |
| CL-FTFX004 | 171.4       | 154          | 48.2            | 411.2         | 1    | SP   | Φ 6.35           | Φ 6.35            | 1              | 90            |
| CL-WG001   | 200         | 161.9        | 25.4            | 823.72        | 1    | SP   | Φ 6.35           | Φ 6.35            | N/A            | N/A           |
| CL-YBF001  | 214         | 234.5        | 25.4            | 495.9         | 1    | SP   | Φ 4              | Φ 4               | N/A            | N/A           |



|                                |                                                                                                                                                                                              |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ambient Temperature</b>     | -40°C ~ 72°C (-40°F to 161.6 °F )                                                                                                                                                            |
| <b>Refrigerant Temperature</b> | -40°C to 150°C (-40°F to 302°F)                                                                                                                                                              |
| <b>Burst Pressure</b>          | ≥9.5MPa                                                                                                                                                                                      |
| <b>Working Medium</b>          | R134a\ R22\ R290\ R407C\ R404A\ R454B and other commonly used refrigerant, Antifreeze (Ethylene glycol), Fluorinated liquid, polydimethylsiloxane, Hydraulic oil and other insulating media. |

## Micro-Channel Heat Exchanger Online Selection Software

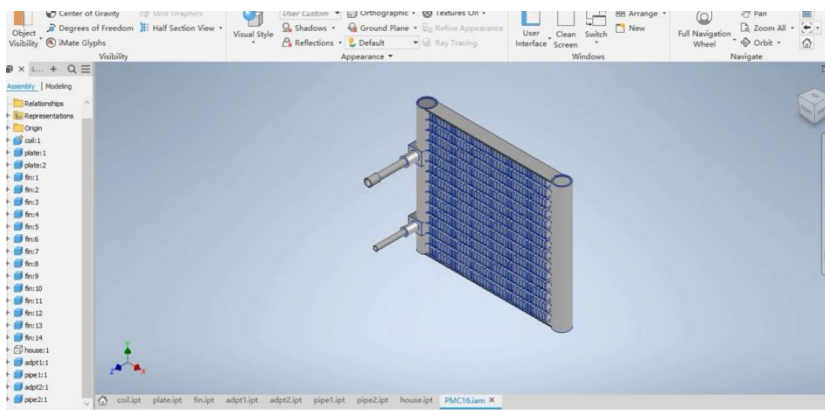
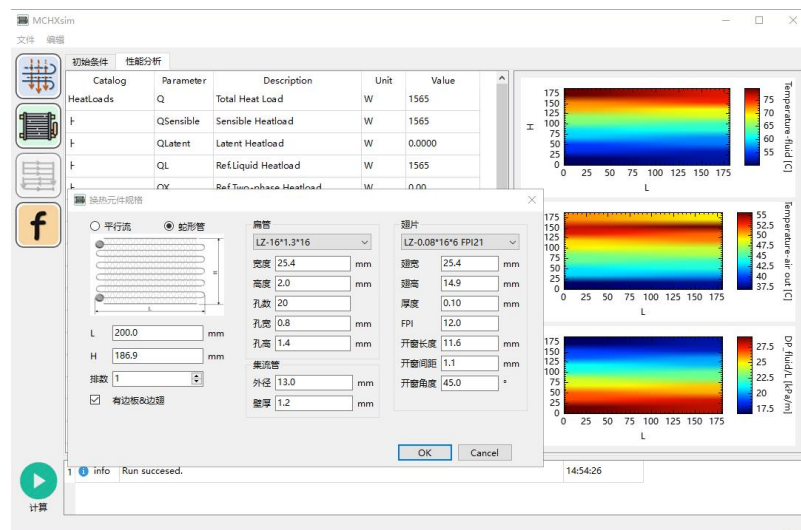
- For more design, please visit

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