

# C097



## General Information

C type is the CBE, dedicated to R744 (CO<sub>2</sub>), and compatible with heat pump and refrigeration system. The model has three types, including 70/100/140 BAR. The compact design plus outstanding thermal transfer efficiency and low pressure drop characterize C series. C097 can sustain 100BAR and afford the pressure caused by R744 as thermal media. This capacity delights the COP value and results in "0" ODP to protect the environment where we live. C097 can work well with pre-cooler and pervasive in various kinds of residential heat pump.

## Industries

HVAC, Refrigeration, Heat Pump

## Connection (up to)



## Male Thread Female Thread



Solder

Depends on working condition

## Applications

Evaporator, Condenser, De-superheater/Subcooler, Economizer, Pre-cooler/Pre-heater

## Max. Heat Transfer Capacity

52.74KW

## Specifications

### Standard Materials

Cover Plates  
Connections  
Plates  
Brazing Material

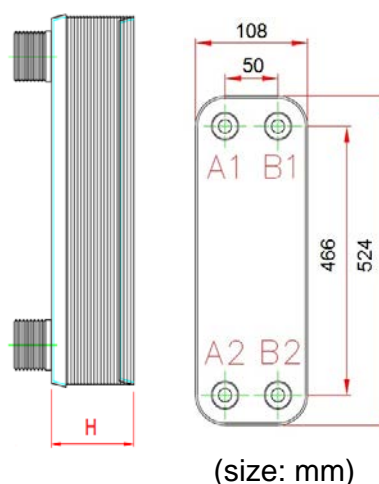
Stainless Steel  
Stainless Steel  
Stainless Steel  
Copper

### Standard Data

Max. working temperature °C	200
Max. working pressure (bar)	140
Min. test pressure (bar)	200
Max. flow rate (LPM)	260.00
Max. number of plates (N)	110
Plate Heat Transfer Area (M <sup>2</sup> )	0.0475 m <sup>2</sup>
Thickness (mm) - H	13.2+2.16*N
Weight (kg)	5.90+0.346*N

(without connection)

N: Number of Plates



(size: mm)

### Material disclaimer

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