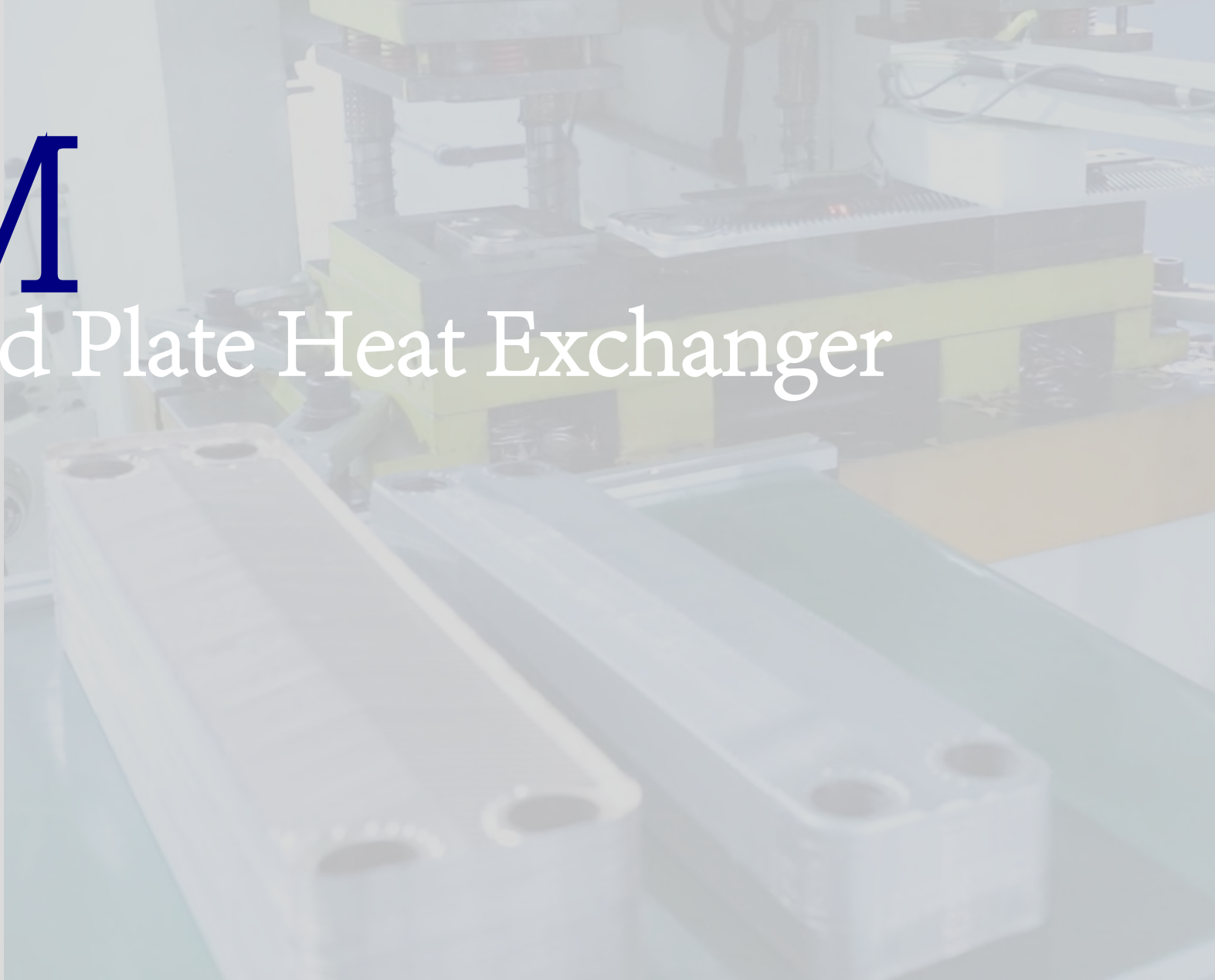


# HFM

## Brazed Plate Heat Exchanger



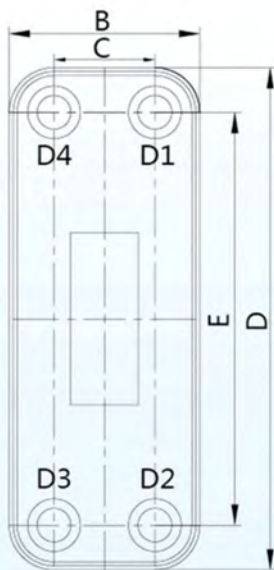
**HFM**  
INDUSTRY



HFM HQ series brazed units are using copper for brazing to eliminate the gaskets, these compact heat exchangers are perfect for small or packaged application.

Hofmann (Beijing) Engineering Technology Co., Ltd.

## HQ10



### Introduction

HQ10 is usually been used as condenser and evaporator, sometimes It could be used for sub-cooler and superheater, well adapted for small-sized residential air-conditioning.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ10	76	42	206	172

### Technical parameter

Thickness/ mm	9+2.3N
weight/ kg	0.7+0.06N
Liquid holdup/ L	0.010(N-2)
Design pressure/ MPa	1/ 3/ 4.5
Max. Volume flow/ m <sup>3</sup> /h	8
Design temperature/ °C	-196~225
Cooling capacity/ Kw	1~30

## HQ25



### Introduction

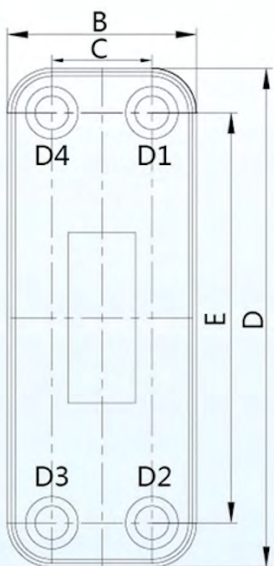
HQ25 is usually been used as condenser (A) and evaporator (B), sometimes it could be used for sub-cooler and superheater, well adapted for small-sized residential air-conditioning.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ25A	86	40	315	269
HQ25B	78	42	318	282

### Technical parameter

Thickness/ mm	9+2.3N
weight/ kg	1.0+0.08N
Liquid holdup/ L	0.018(N-2)
Design pressure/ MPa	3/ 4.5
Max. Volume flow/ m <sup>3</sup> /h	8
Design temperature/ °C	-196~225
Cooling capacity/ Kw	15~40

## HQ15



### Introduction

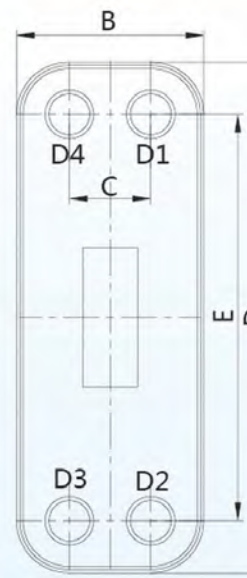
HQ15 is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ15	80	40	190	154

### Technical parameter

Thickness/ mm	9+2.3N
weight/ kg	0.7+0.06N
Liquid holdup/ L	0.010(N-2)
Design pressure/ MPa	1/ 3
Max. Volume flow/ m <sup>3</sup> /h	8
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~30

## HQ30



### Introduction

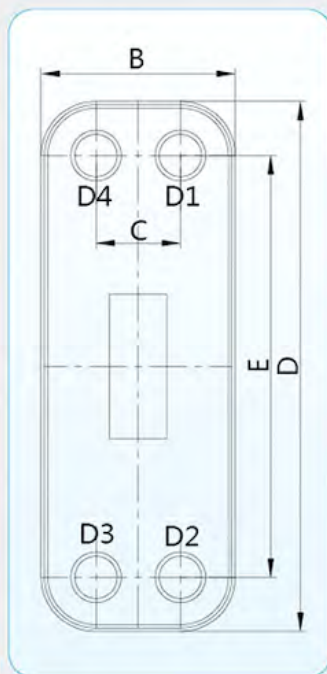
HQ30 is usually been used as condenser and evaporator, sometimes It could be used for sub-cooler and superheater, the compact design and extremely low liquid holdup make it well adapted for cold dryer.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ30	111	50	310	250

### Technical parameter

Thickness/ mm	10+2.36N
weight/ kg	1.3+0.12N
Liquid holdup/ L	0.025(N-2)
Design pressure/ MPa	3/ 4.5
Max. Volume flow/ m <sup>3</sup> /h	18
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~25

# HQ35



## Introduction

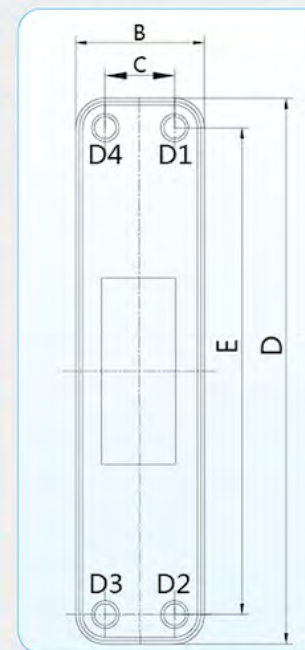
HQ35 is usually used as condenser and evaporator, sometimes it could be used for oil cooler. It has compact structure with extremely low liquid holdup.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ35	124	70	304	250

## Technical parameter

Thickness/ mm	13+2.4N
weight/ kg	2.2+0.16N
Liquid holdup/ L	0.032(N-2)
Design pressure/ MPa	3/ 4.5
Max. Volume flow/ m <sup>3</sup> /h	18
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~25

# HQ52



## Introduction

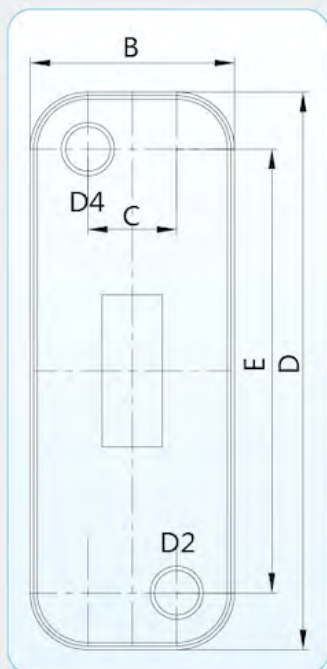
HQ52 is well adapted for small-sized residential air-conditioning. It is usually used as evaporator (A) and condenser (B).

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ52A	111	50	525	466
HQ52B	111	50	525	466

## Technical parameter

Thickness/ mm	10+2.35N
weight/ kg	2.6+0.19N/ 2.6+0.21N
Liquid holdup/ L	0.047(N-2)
Design pressure/ MPa	3/ 4.5
Max. Volume flow/ m <sup>3</sup> /h	18
Design temperature/ °C	-196~225
Cooling capacity/ Kw	5~70

# HQ36



## Introduction

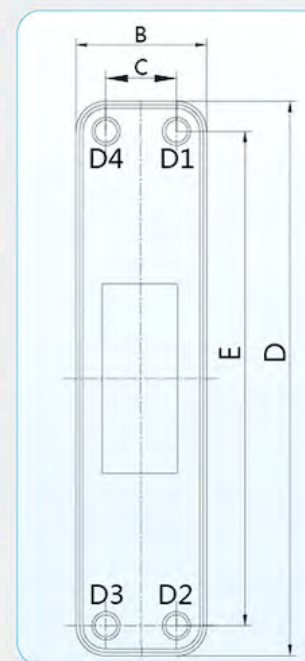
HQ36 is able to heat liquid with high temperature flue gas, which is beneficial for energy conservation and atmospheric environment protection.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ36	122	52	282	227

## Technical parameter

Thickness/ mm	11+3.1N
weight/ kg	1.88+0.104N
Design pressure/ MPa	1.5
Max. Volume flow/ m <sup>3</sup> /h	18
Design temperature/ °C	-160~225

# HQ60



## Introduction

HQ60 is well adapted for small-sized residential air-conditioning. It is usually used as evaporator (A) and condenser (B).

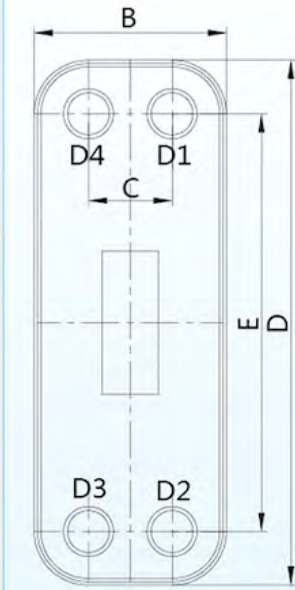
Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ60A	119	63	526	470
HQ60B	119	63	526	470

## Technical parameter

Thickness/ mm	10+2.24N
weight/ kg	2.379+0.194N
Liquid holdup/ L	0.051(N-2)
Design pressure/ MPa	3/ 4.5
Max. Volume flow/ m <sup>3</sup> /h	18
Design temperature/ °C	-196~225
Cooling capacity/ Kw	5~80



# HQ90



## Introduction

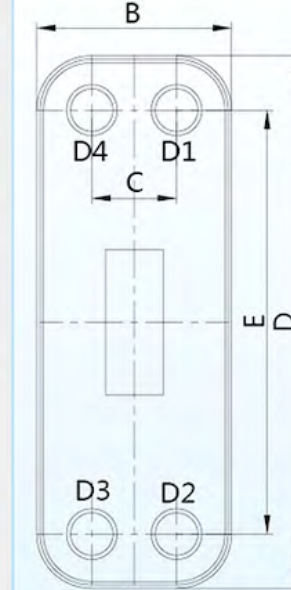
HQ90 is specially made for air-conditioner and refrigeration. It could be used as condenser, evaporator and lithium bromide absorption systems.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ90A	191	92	616	519
HQ90B	191	92	616	519

## Technical parameter

Thickness/ mm	11+2.35N/ 11+2.72N
weight/ kg	7.8+0.36N/ 7.8+0.44N
Liquid holdup/ L	0.105(N-2)/ 0.125(N-2)
Design pressure/ MPa	3/ 4.5
Max. Volume flow/ m <sup>3</sup> /h	42
Design temperature/ °C	-196~225
Cooling capacity/ Kw	30~200

# HQ125



## Introduction

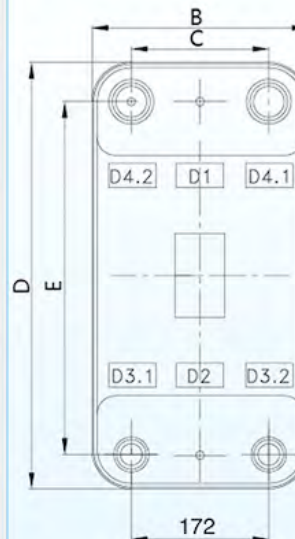
HQ125 is usually been used as condenser and evaporator, sometimes It could be used for sub-cooler and superheater, the compact design and extremely low liquid holdup make it well adapted for cold dryer.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ125	246	174	528	456

## Technical parameter

Thickness/ mm	13+2.36N
weight/ kg	7.2+0.52N
Liquid holdup/ L	0.196(N-2)
Design pressure/ MPa	3/ 4.5
Max. Volume flow/ m <sup>3</sup> /h	42
Design temperature/ °C	-160~225
Cooling capacity/ Kw	30~200

# HQ100



## Introduction

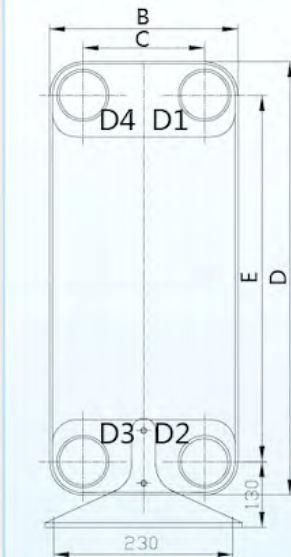
HQ100 is specially made for central air-conditioning, industrial water chiller and large scale heat pump center. It is compatible to use R22 refrigerant in the double compressor circuit.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ100	248	157	496	405

## Technical parameter

Thickness/ mm	10+2.15N
weight/ kg	6.5+0.37N
Liquid holdup/ L	0.08(N-2)
Design pressure/ MPa	3/ 4.5
Max. Volume flow/ m <sup>3</sup> /h	42
Design temperature/ °C	-160~225
Cooling capacity/ Kw	30~200

# HQ180



## Introduction

HQ180 is specially made for central air-conditioning, industrial water chiller and large scale heat pump center. It is capable for steam-liquid or liquid-liquid heat transfer. Under some circumstances, it is far more efficient in heat transfer than the plate heat exchanger.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ180	307	179	696	567

## Technical parameter

Thickness/ mm	13+2.76N
weight/ kg	10+0.51N
Liquid holdup/ L	0.217(N-2)
Design pressure/ MPa	1.5/ 2.1
Max. Volume flow/ m <sup>3</sup> /h	100
Design temperature/ °C	-160~225
Cooling capacity/ Kw	150~400

# HQ210



## Introduction

HQ210 is specially made for central air-conditioning, industrial water chiller, large scale heat pump center and lithium bromide absorption systems. It is capable for steam-liquid or liquid-liquid heat transfer. Under some circumstances, it is far more efficient in heat transfer than the plate heat exchanger.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ210A	321	188	738	603
HQ210B	321	188	738	603

## Technical parameter

Thickness/ mm	13+2.7N
weight/ kg	13+0.75N
Liquid holdup/ L	0.22(N-2)
Design pressure/ MPa	1.5/ 2.1
Max. Volume flow/ m <sup>3</sup> /h	100
Design temperature/ °C	-160~225
Cooling capacity/ Kw	150~400

# HQ600



## Introduction

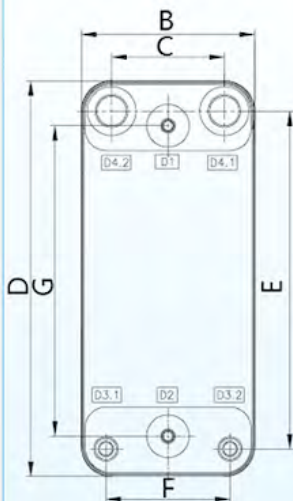
HQ600 is specially made for central air-conditioning, industrial water chiller, large scale heat pump center and lithium bromide absorption systems.

Model	B/ mm	C/ mm	D/ mm	E/ mm
HQ600	429	220	1398	1190

## Technical parameter

Thickness/ mm	22+2.78N
weight/ kg	31.8+1.73N
Liquid holdup/ L	0.775(N-2)
Design pressure/ MPa	1.5/ 2.1
Max. Volume flow/ m <sup>3</sup> /h	300
Design temperature/ °C	-160~225
Cooling capacity/ Kw	300~1000

# HQ230



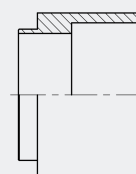
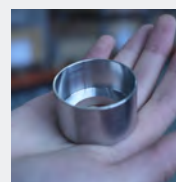
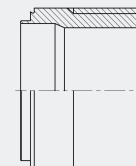
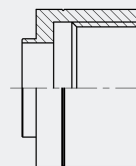
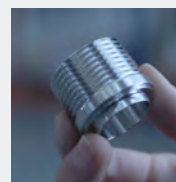
## Introduction

HQ230 is specially made for central air-conditioning, industrial water chiller and large scale heat pump center.

Model	B/ mm	C/ mm	D/ mm	E/ mm	F/ mm	G/ mm
HQ230	322	205.2	739	631.7	224.4	568

## Technical parameter

Thickness/ mm	13+2.55N
weight/ kg	13+0.82N
Liquid holdup/ L	0.2(N-2)
Design pressure/ MPa	3/ 4.5
Max. Volume flow/ m <sup>3</sup> /h	100
Design temperature/ °C	-160~225
Cooling capacity/ Kw	200~600



# Connections

There are three common types of connections demonstrated on the left, which are internal thread, external thread and soldering.

We are able to produce any types of connections based on your demand.

If you have no idea which one you need, you are welcome to reach us for technical support 7/24.





### Why Choose HFM:

- Professional design solution in years experience of various application, pursuing the high efficiency delivered.
- Service minded in handling customer requests.
- Tailored and standardized supporting product range.



### How to contact HFM:

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