



Brazed heat exchanger

About Us

HFM is a global brand of plate heat exchangers and fluid handling equipment supply nowadays. It is rooted in China, and now the brand network spans from Asia, Oceania, Africa, Europe to North America and South America.

We hope this manual could help you to comprehend these equipment and solve problems. Yet, if there are some parts you can not understand or anything beyond this manual, you are welcome to reach us through the methods below.



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.



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

Regular BPHE

HB10A

Introduction
HB10A 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	HB10A	Thickness/ mm	9*2.3N
B/ mm	80	Weight/ kg	0.7*0.06N
C/ mm	40	Liquid holdup/ L	0.010(N-2)
D/ mm	190	Design pressure/ MPa	1/ 3
E/ mm	154	Max. Volume flow/ m³/h	8
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	4~30

HB10C

Introduction
The HB10C brazed plate heat exchanger covers a refrigeration capacity of 5-40KW and is used in wall mounted boilers, heating water heaters, low-temperature testing equipment, and centralized heating areas for daily life Heating with water.

Model	HB10C	Thickness/ mm	2.7*N
B/ mm	73	Weight/ kg	1.0*0.08N
C/ mm	40	Liquid holdup/ L	0.010(N-2)
D/ mm	315	Design pressure/ MPa	1
E/ mm	278	Max. Volume flow/ m³/h	8
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	5~40

HB11B

Introduction
HB11B 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

Model	HB11B	Thickness/ mm	9*1.5N
B/ mm	93	Weight/ kg	1.0*0.09N
C/ mm	39	Liquid holdup/ L	0.018(N-2)
D/ mm	325	Design pressure/ MPa	3/4.5
E/ mm	269	Max. Volume flow/ m³/h	8
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	15~40

HB10B

Introduction
The HB10B brazed plate heat exchanger covers a refrigeration capacity of 4-30W and is used for wall mounted boilers, heating water heaters, low-temperature testing equipment, and heating of domestic water in centralized heating areas

Model	HB10B	Thickness/ mm	2.7*N
B/ mm	73	Weight/ kg	0.9*0.06N
C/ mm	40	Liquid holdup/ L	0.010(N-2)
D/ mm	210	Design pressure/ MPa	1
E/ mm	172	Max. Volume flow/ m³/h	8
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	4~30

HB11A

Introduction
HB11A 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	HB11A	Thickness/ mm	9*2.3N
B/ mm	75	Weight/ kg	0.7*0.06N
C/ mm	42	Liquid holdup/ L	0.010(N-2)
D/ mm	206	Design pressure/ MPa	1/ 3/4.5
E/ mm	172	Max. Volume flow/ m³/h	8
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	1~30


HB11C

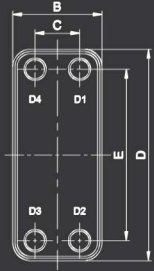
Introduction
HB11C is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HB11C	Thickness/ mm	9*2.3N
B/ mm	75	Weight/ kg	1.0*0.08N
C/ mm	42	Liquid holdup/ L	0.018(N-2)
D/ mm	315	Design pressure/ MPa	3/ 4.5
E/ mm	282	Max. Volume flow/ m³/h	8
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	15~40

Regular BPHE

HB12A






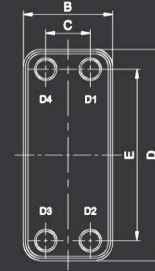
Introduction

HB12A 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	HB12A	Thickness/ mm	9±2.3N
B/ mm	106	Weight/ kg	1.3±0.12N
C/ mm	50	Liquid holdup/ L	0.025(N-2)
D/ mm	305	Design pressure/ MPa	3/4.5
E/ mm	250	Max. Volume flow/ m³/h	18
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	4~25

HB12B






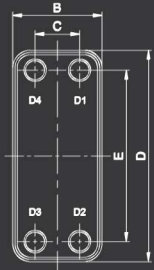
Introduction

HB12B 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	HB12B	Thickness/ mm	9±2.3N
B/ mm	106	Weight/ kg	2.4±0.19N
C/ mm	50	Liquid holdup/ L	0.047(N-2)
D/ mm	525	Design pressure/ MPa	3/4.5
E/ mm	466	Max. Volume flow/ m³/h	18
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	5~70

HB13A






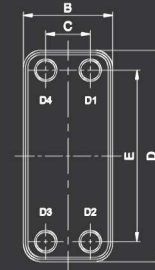
Introduction

HB13A 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	HB13A	Thickness/ mm	9±2.3N
B/ mm	127	Weight/ kg	2.2±0.16N
C/ mm	70	Liquid holdup/ L	0.032*(N-2)
D/ mm	307	Design pressure/ MPa	3/4.5
E/ mm	250	Max. Volume flow/ m³/h	18
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	4~25

HB13B






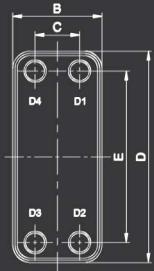
Introduction

HB13B 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	HB13B	Thickness/ mm	10±2.24N
B/ mm	119	Weight/ kg	2.34±0.194N
C/ mm	63	Liquid holdup/ L	0.051*(N-2)
D/ mm	470	Design pressure/ MPa	1/ 3
E/ mm	526	Max. Volume flow/ m³/h	18
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	4~30

HB15A






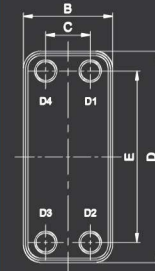
Introduction

HB15A 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	HB15A	Thickness/ mm	9±2.7N
B/ mm	184	Weight/ kg	7.8±0.36N
C/ mm	92	Liquid holdup/ L	0.105*(N-2)
D/ mm	612	Design pressure/ MPa	3/4.5
E/ mm	519	Max. Volume flow/ m³/h	42
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	30~200

HB15B






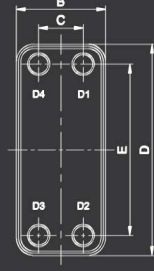
Introduction

HB15B 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	HB15B	Thickness/ mm	9±2.3N
B/ mm	247	Weight/ kg	7.2±0.52N
C/ mm	174	Liquid holdup/ L	0.196*(N-2)
D/ mm	528	Design pressure/ MPa	3/4.5
E/ mm	456	Max. Volume flow/ m³/h	42
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	30~200

HB18A






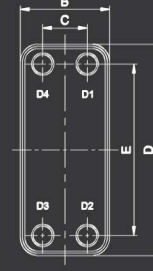
Introduction

HB18A 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	HB18A	Thickness/ mm	14±2.7N
B/ mm	320	Weight/ kg	13±0.75N
C/ mm	207	Liquid holdup/ L	0.22*(N-2)
D/ mm	742	Design pressure/ MPa	1/ 3
E/ mm	624	Max. Volume flow/ m³/h	100
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	4~30

HB22A






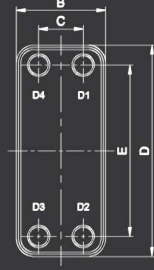
Introduction

HB22A 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	HB22A	Thickness/ mm	11±2.72N
B/ mm	315	Weight/ kg	13±0.75N
C/ mm	188	Liquid holdup/ L	0.22*(N-2)
D/ mm	735	Design pressure/ MPa	1.5/2.1
E/ mm	603	Max. Volume flow/ m³/h	100
		Design temperature/ °C	-160~225
		Cooling capacity/ Kw	150~400

HB22B






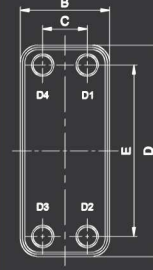
Introduction

HB22B 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	HB22B	Thickness/ mm	17±2.675N
B/ mm	370	Weight/ kg	20±1.26N
C/ mm	118/95.5	Liquid holdup/ L	0.217(N-2)
D/ mm	995	Design pressure/ MPa	1.5/2.1
E/ mm	816/861	Max. Volume flow/ m³/h	200
		Design temperature/ °C	-160~225
		Cooling capacity/ Kw	150~400

HB22C






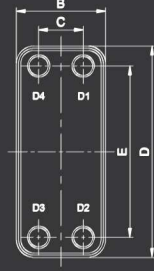
Introduction

HB22C 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	HB22C	Thickness/ mm	13±2.76N
B/ mm	307	Weight/ kg	10.0±0.51N
C/ mm	179	Liquid holdup/ L	0.217*(N-2)
D/ mm	696	Design pressure/ MPa	3/4.5
E/ mm	567	Max. Volume flow/ m³/h	100
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	4~30

HBD61






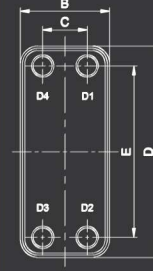
Introduction

HB10A 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	HB10A	Thickness/ mm	10±2.15N
B/ mm	248	Weight/ kg	6.5±0.37N
C/ mm	157	Liquid holdup/ L	0.08*(N-2)
D/ mm	496	Design pressure/ MPa	3/4.5
E/ mm	405	Max. Volume flow/ m³/h	42
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	4~30

HBD62






Introduction

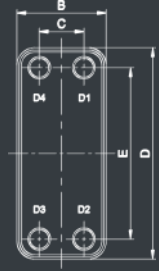
HB10A is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBD62	Thickness/ mm	13±2.55N
B/ mm	322	Weight/ kg	13±0.82N
C/ mm	205.2	Liquid holdup/ L	0.2*(N-2)
D/ mm	739	Design pressure/ MPa	3/4.5
E/ mm	631.7/568	Max. Volume flow/ m³/h	100
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	4~30

Evaporator

HBE12B






Introduction

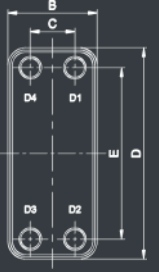
HBE12B is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBE12B
B/ mm	106
C/ mm	50
D/ mm	522
E/ mm	466v

Thickness/ mm	9+2.3N
Weight/ kg	2.6+0.19N
Liquid holdup/ L	0.051*(N-2)
Design pressure/ MPa	3/4.5
Max. Volume flow/ m³/h	18
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~25

HBE15A






Introduction

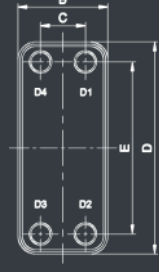
HBE15A is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBE15A
B/ mm	184
C/ mm	92
D/ mm	612
E/ mm	519

Thickness/ mm	9+2.7N
Weight/ kg	7.8+0.36N
Liquid holdup/ L	0.105*(N-2)
Design pressure/ MPa	3/4.5
Max. Volume flow/ m³/h	42
Design temperature/ °C	-196~225
Cooling capacity/ Kw	5~70

HBH10A






Introduction

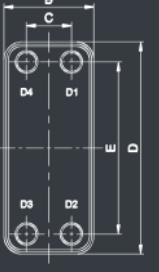
HBH10A is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBH10A
B/ mm	80
C/ mm	40
D/ mm	190
E/ mm	154

Thickness/ mm	9+2.3N
Weight/ kg	0.7+0.06N
Liquid holdup/ L	0.010*(N-2)
Design pressure/ MPa	3/4.5v
Max. Volume flow/ m³/h	8
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~30

HBH11A






Introduction

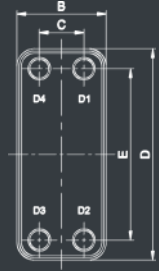
HBH11A is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBH11A
B/ mm	75
C/ mm	42
D/ mm	206
E/ mm	172

Thickness/ mm	9+2.3N
Weight/ kg	0.7+0.06N
Liquid holdup/ L	0.010*(N-2)
Design pressure/ MPa	3/4.5
Max. Volume flow/ m³/h	8
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~30

HBE15B





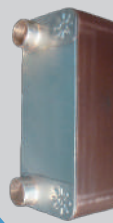
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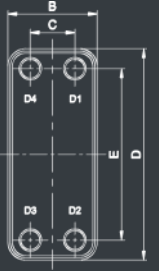
HBE15B is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBE15B
B/ mm	246
C/ mm	174
D/ mm	528
E/ mm	456

Thickness/ mm	10+2.34N
Weight/ kg	7.2+0.52N
Liquid holdup/ L	0.196*(N-2)
Design pressure/ MPa	3/4.5
Max. Volume flow/ m³/h	42
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~25

HBE22A






Introduction

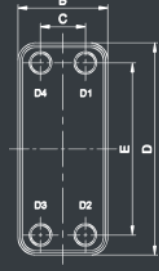
HBE22A is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBE22A
B/ mm	315
C/ mm	188
D/ mm	735
E/ mm	603

Thickness/ mm	11+2.72N
Weight/ kg	13+0.75N
Liquid holdup/ L	0.22*(N-2)
Design pressure/ MPa	3/4.5
Max. Volume flow/ m³/h	100
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~30

HBH11B






Introduction

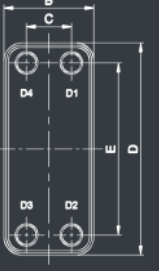
HBH11B is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBH11B
B/ mm	93
C/ mm	39
D/ mm	325
E/ mm	269

Thickness/ mm	9+1.5N
Weight/ kg	1.0+0.09N
Liquid holdup/ L	0.028*(N-2)
Design pressure/ MPa	3/4.5
Max. Volume flow/ m³/h	8
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~30

HBH12A






Introduction

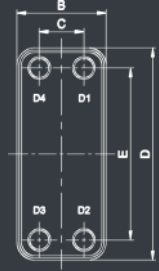
HBH12A is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBH12A
B/ mm	106
C/ mm	50
D/ mm	305
E/ mm	250

Thickness/ mm	9+2.3N
Weight/ kg	1.3+0.12N
Liquid holdup/ L	0.025*(N-2)
Design pressure/ MPa	3/4.5
Max. Volume flow/ m³/h	18
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~30

HBE18A






Introduction

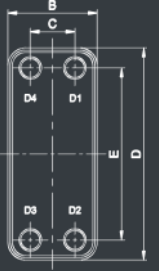
HBE18A is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBE18A
B/ mm	320
C/ mm	207
D/ mm	742
E/ mm	642

Thickness/ mm	14+2.7N
Weight/ kg	13+0.67N
Liquid holdup/ L	
Design pressure/ MPa	3/4.5
Max. Volume flow/ m³/h	100
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~30

HBE22B






Introduction

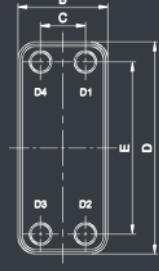
HBE22B is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBE22B
B/ mm	370
C/ mm	118/95.5
D/ mm	995
E/ mm	816/861

Thickness/ mm	17+2.675N
Weight/ kg	20+1.26N
Liquid holdup/ L	
Design pressure/ MPa	3/4.5
Max. Volume flow/ m³/h	100
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~30

HBH12B






Introduction

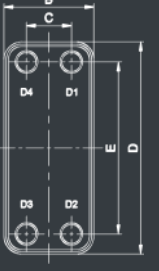
HBH12B is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBH12B
B/ mm	106
C/ mm	50
D/ mm	522
E/ mm	466

Thickness/ mm	9+2.3N
Weight/ kg	2.6+0.19N
Liquid holdup/ L	0.051*(N-2)
Design pressure/ MPa	3/4.5
Max. Volume flow/ m³/h	18
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~30

HBHE12B





Introduction


HBHE12B 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.

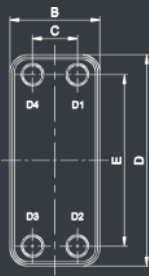
Model	HBHE12B
B/ mm	106
C/ mm	50
D/ mm	522
E/ mm	466

Thickness/ mm	9+2.3N
Weight/ kg	2.6+0.19N
Liquid holdup/ L	0.051*(N-2)
Design pressure/ MPa	1/ 3
Max. Volume flow/ m³/h	18
Design temperature/ °C	-196~225
Cooling capacity/ Kw	4~30

High pressure BPHE

HBH15A






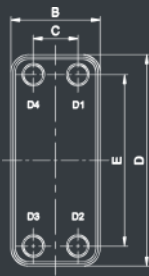
Introduction

HBH15A 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	HBH15A	Thickness/ mm	9±2.7N
B/ mm	184	Weight/ kg	7.8±0.36N
C/ mm	92	Liquid holdup/ L	0.105(N-2)
D/ mm	612	Design pressure/ MPa	3/4.5
E/ mm	519	Max. Volume flow/ m³/h	42
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	4~30

HBHE15A

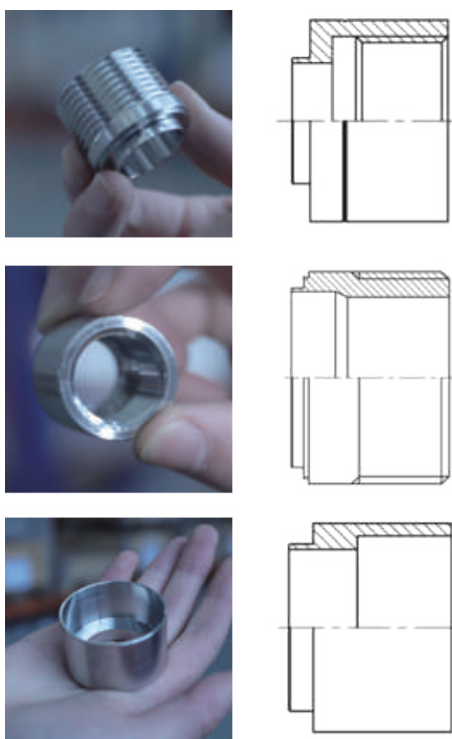




Introduction

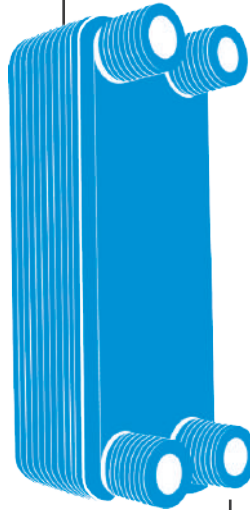
HBHE15A is usually been used for wall mounted space heaters, heating water supply, low temperature environment testing equipment and domestic water heating in the regions of centralized heat-supply.

Model	HBHE15A	Thickness/ mm	9±2.7N
B/ mm	184	Weight/ kg	7.8±0.36N
C/ mm	92	Liquid holdup/ L	0.105(N-2)
D/ mm	612	Design pressure/ MPa	3/4.5
E/ mm	519	Max. Volume flow/ m³/h	42
		Design temperature/ °C	-196~225
		Cooling capacity/ Kw	4~30



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.







Made by pressing high-quality materials

Multiple thicknesses can be selected

Multiple calibers available



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