The air cooled hydraulic oil cooler

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我们的优势

Our advantages
From raw material to finished product
One-stop processing
Comprehensive control

从原料到成品 一站式加工 全方位控制





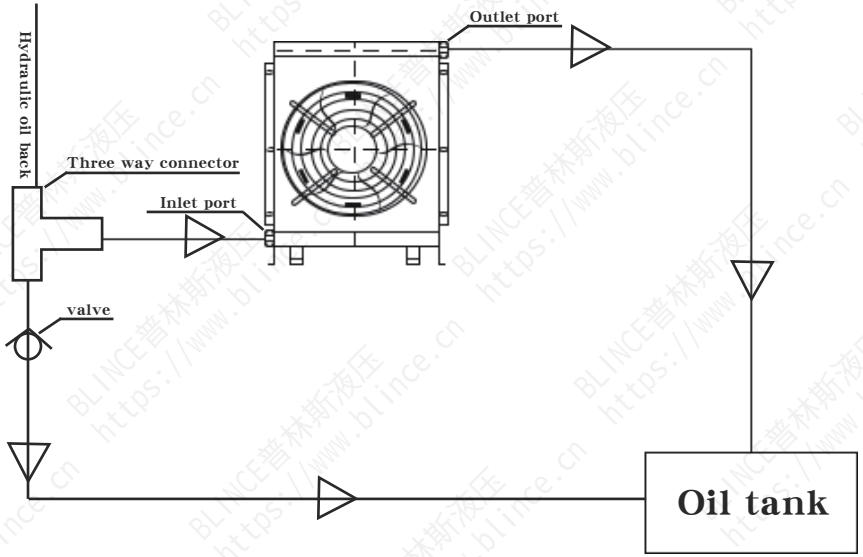




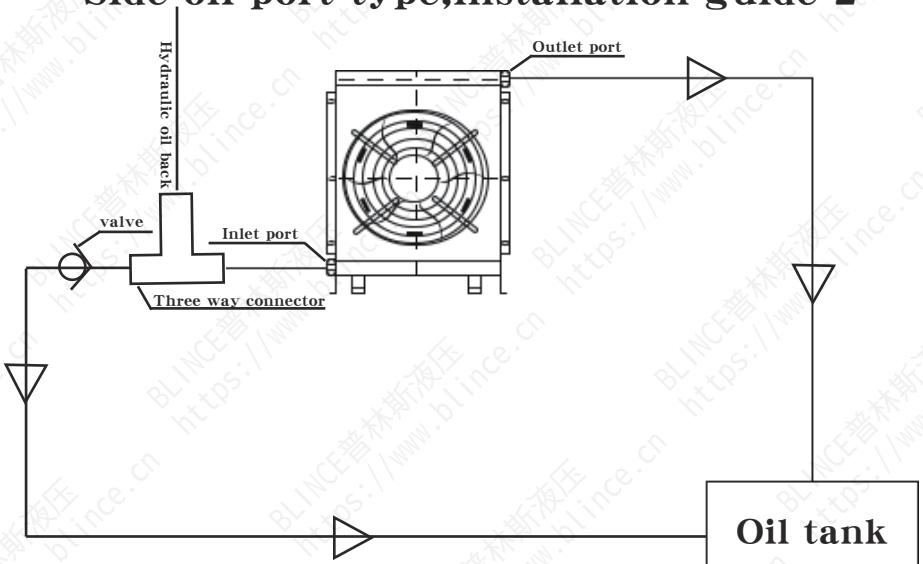




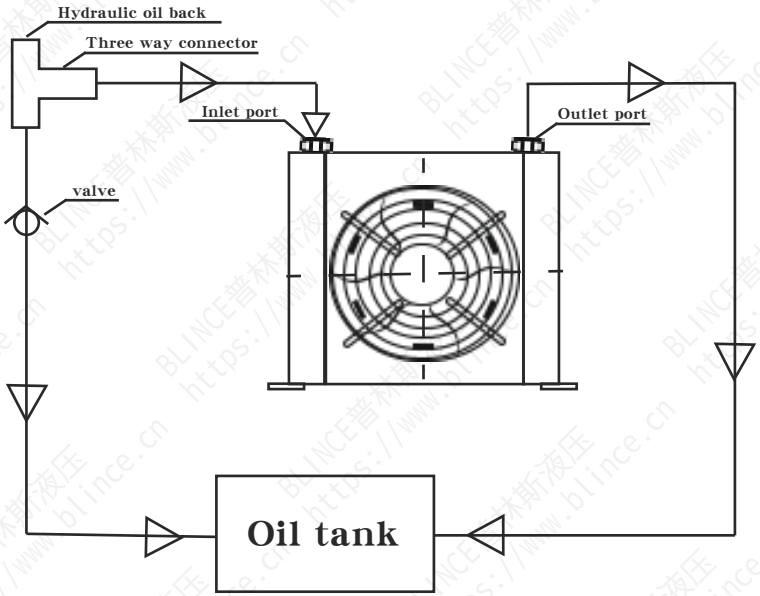

Side oil port type,installation guide 1



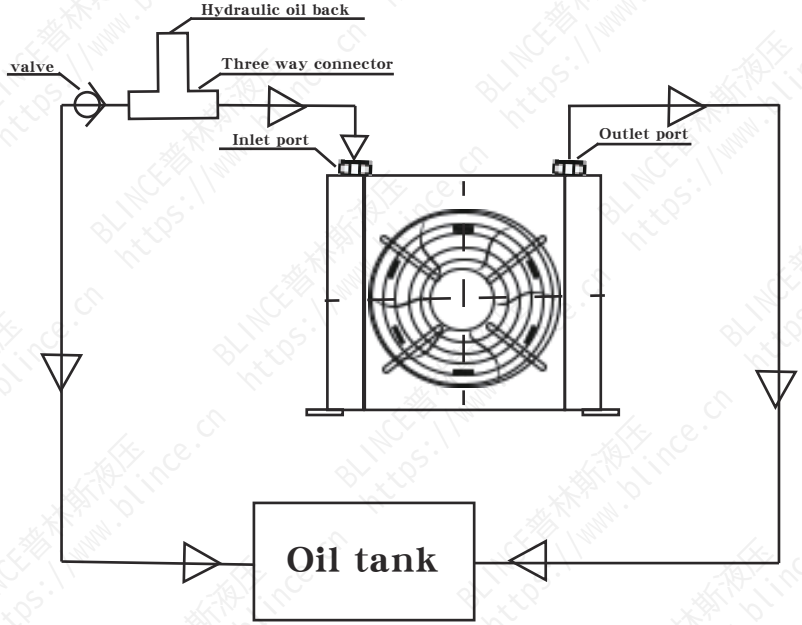
Side oil port type,installation guide 2



Top oil port type,installation guide 1



Top oil port type,installation guide 2



Note:In order protect the cooler,avoid pressure directly from three way connector to cooler.

The air-cooled hydraulic oil cooler is characterized by using air as the heat exchange medium for heat exchange, and the heat is taken away by the air. Generally speaking, the heat dissipation effect of the sub-cooler mainly depends on its heat exchange area and air placement. The larger the heat dissipation effect is, the larger the heat exchange area is, the better the heat dissipation effect is for the same air volume.

At present, air-cooled hydraulic oil coolers that are increasingly widely used at home and abroad are mainly made of aluminum alloy materials with good thermal conductivity. The fluid channels and air channels have plate-fin and flat tube-fin structures, and the core is made of vacuum brazing. . It has the characteristics of large effective heat dissipation area, compact structure and high material utilization rate. It is often used as an auxiliary part of the hydraulic transmission system to cool the hydraulic oil so that it is in the normal working temperature range and improve the stability of the hydraulic system and the service life of the parts.

Precautions

Working pressure: AF series: 2Mpa AW series: 2Mpa
AH series: 2Mpa HM series: 2Mpa ACE series: 2Mpa
Operating temperature: The highest operating temperature is 140°C
Use medium:
1. Mineral oil (anti-wear hydraulic oil)
2. Fire-resistant hydraulic oil (high water base, oil-water emulsion, synthetic fluid)
3. Liquid that does not react corrosively to aluminum

Precautions for piping:

1. The piping diameter should match the thread mouth and cannot be changed or reduced.
2. Use direct joints or high-pressure hoses as much as possible to reduce oil return resistance.
3. Use hydraulic oil as much as possible, the faster the oil return, the smoother, and the better the heat dissipation effect.

Precautions for installing and unloading circuit (check valve)

In order to protect the cooler from rupture due to excessive pressure, when the cooler is installed in the oil return circuit, a bypass unloading circuit (check valve) must be installed in parallel with the cooler, and the unloading valve must be able to function when the pressure is too high or the production hydraulic shock. Limited open uninstall.

Installation Precautions

1. Please install the cooler in a well-ventilated place.
2. At the front air suction opening of the cooling fan and the air outlet of the outer fin of the radiator, dust and debris should be removed regularly.
3. The front suction port and rear exhaust port of the cooling fan must be reserved at least about the size of the fan radius to facilitate air convection.

CATALOG

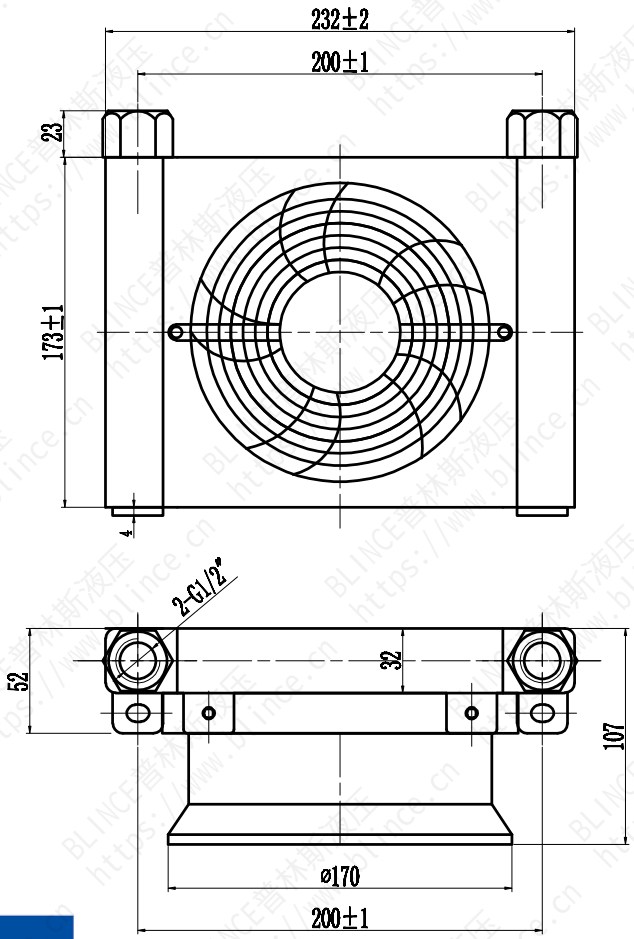
Model	Flow	Thread	Page
AF0510T	10L/min	PT1/2"	01
AF1025T	25L/min	PT1/2"	02
AW0607T	20L/min	G1/2"	03
AH0608T	60L/min	G3/4"	04
AH0608TL	60L/min	G3/4"	05
AH1012T	100L/min	G1"	06
AH1417T	150L/min	G1"	07
AH1417T-Plus	150L/min	G1"	08
AH1470T	200L/min	G1-1/4"	09
AH1490L	250L/min	RC1-1/2"	10
AH1490T	250L/min	G1-1/4"	11
AH1680T	300L/min	G1-1/2"	12
AH1890L	300L/min	G1-1/2"	13
AH2431T	450L/min	G1-1/2"	14
AH3818T	600L/min	G2"	15

◆AF0510T-10L

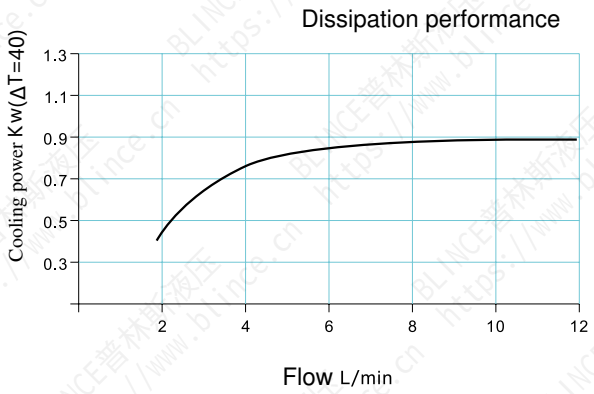


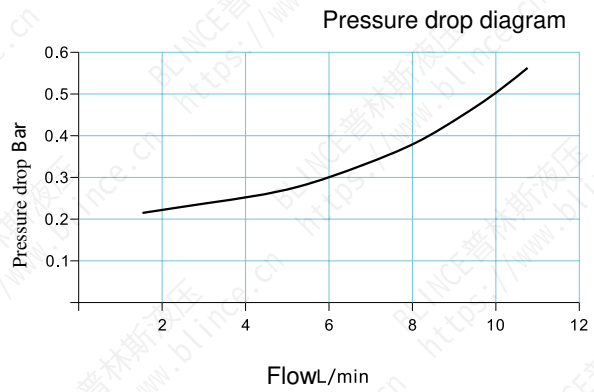
Model	AF0510T	Cooling capacity	720Kcal/h
Flow	10L/min	Size	27*23.5*15cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	48W	Volume	200m³/h
Dissipating area	0.8m²	Thread	PT1/2"
Fan diameter	∅170mm		

◆ Dimensions



◆Performance



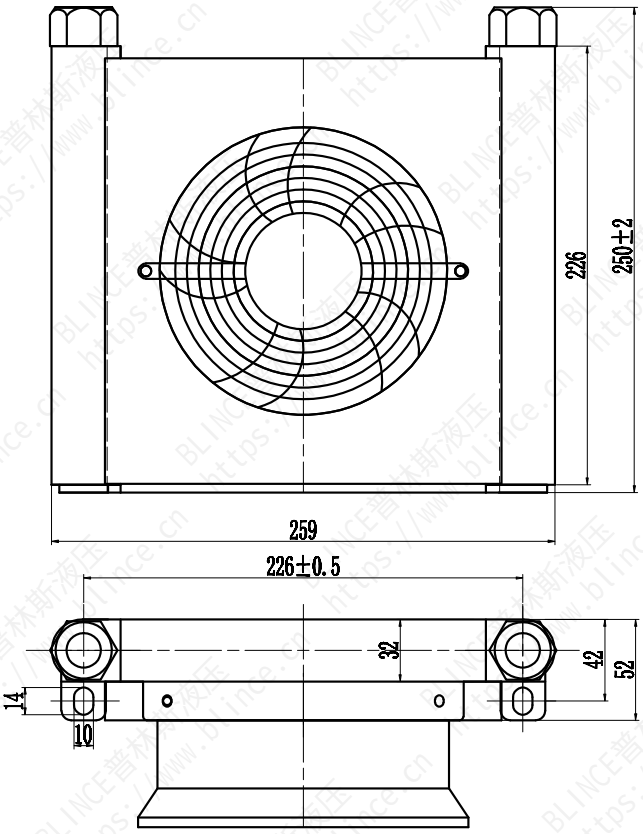


◆AF1025T-25L

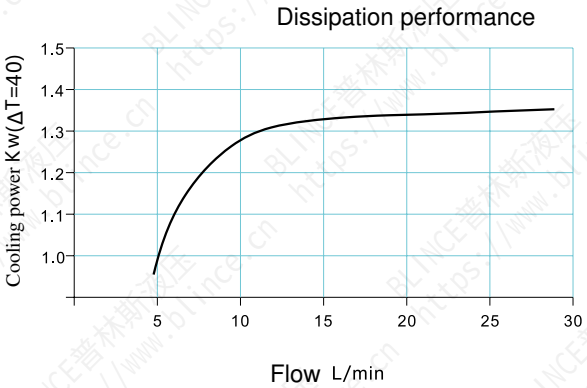
Model	AF1025T	Cooling capacity	800Kcal/h
Flow	25L/min	Size	29*29*15cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	48W	Volume	200m³/h
Dissipating area	1.3m²	Thread	PT1/2"
Fan diameter	∅170mm		

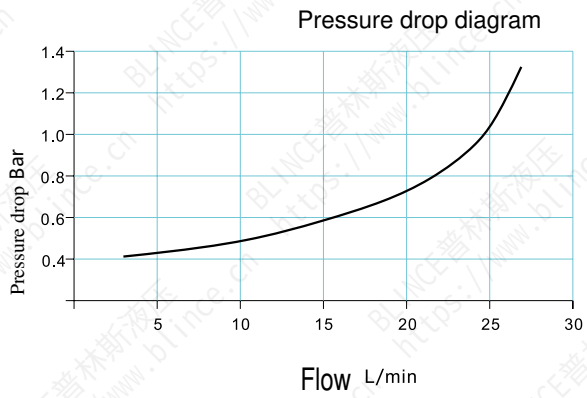


◆Dimensions



◆Performance



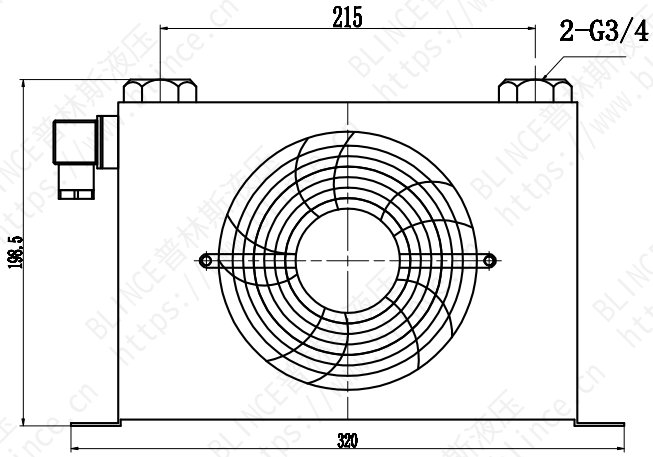


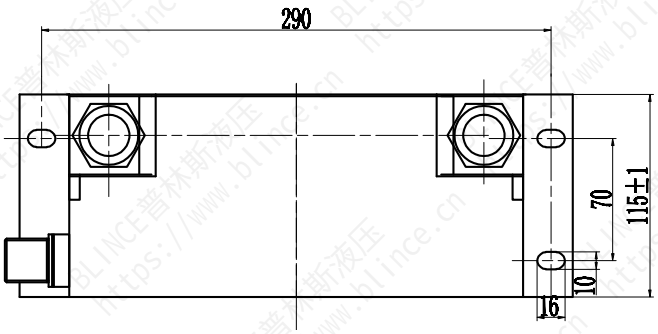
◆AW0607T–20L



Model	AW0607T	Cooling capacity	680Kcal/h
Flow	20L/min	Packing Size	28*21.5*13cm
Wokring Pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	48W	Volume	200m³/h
Dissipating area	0.8m²	Thread	G1/2"
Fan diameter	∅170mm		

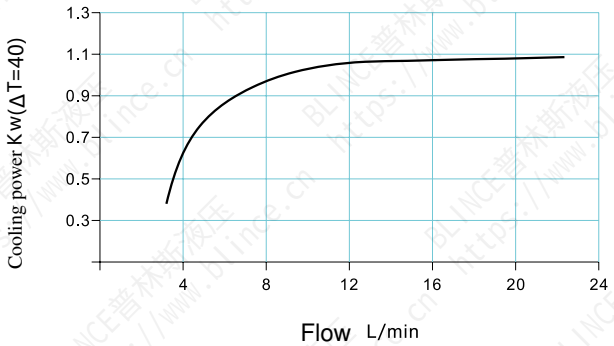
◆Dimension



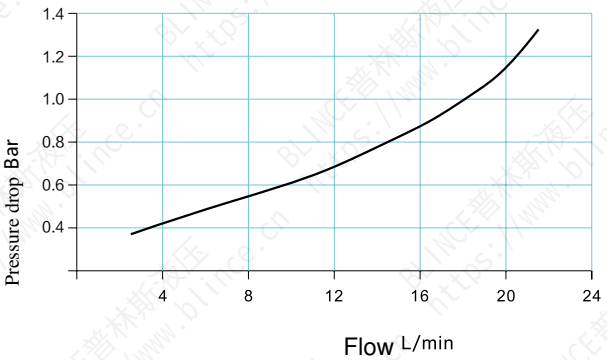


◆Performance

Dissipation performance



Pressure drop diagram

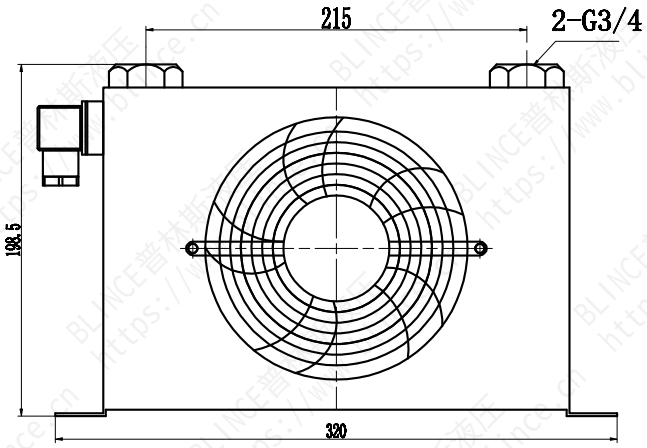


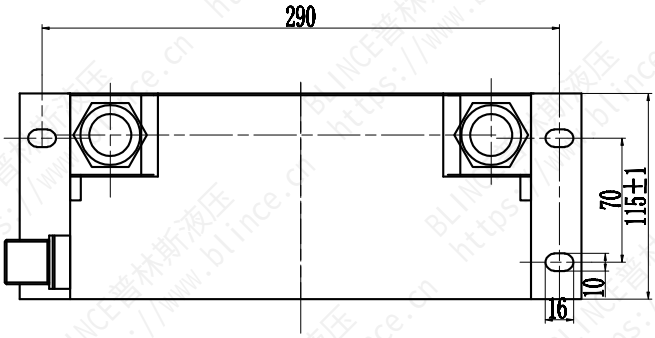
◆AH0608T-60L

Model	AH0608T	Cooling capacity	2300Kcal/h
Flow	60L/min	Packing size	35*22.5*14cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	48W	Volume	200m³/h
Dissipating area	1.3m²	Thread	G3/4"
Fan diameter	∅170mm		

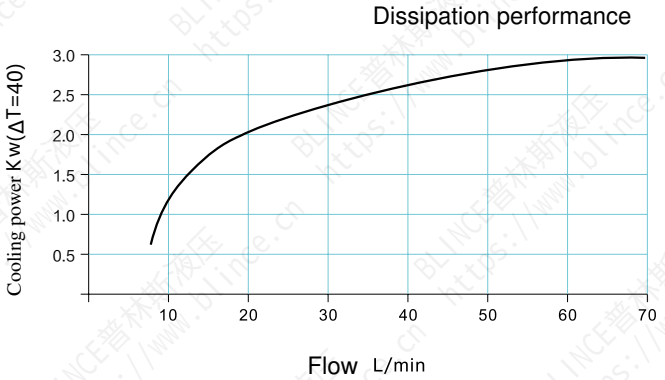


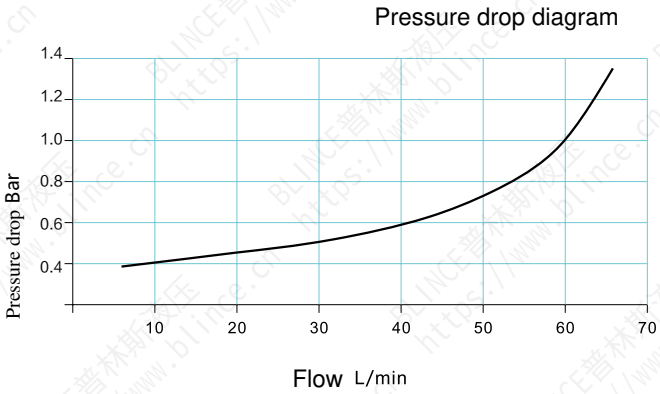
◆Dimension





◆Performance



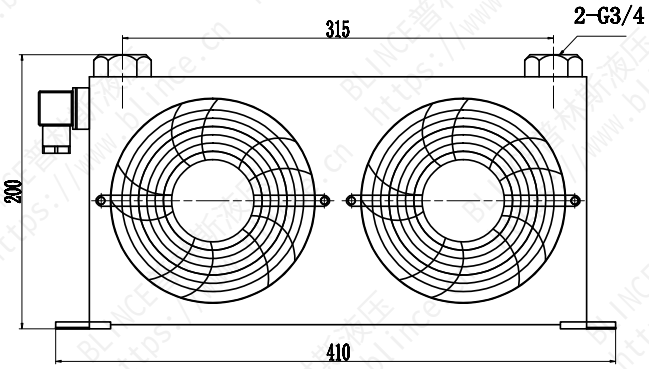


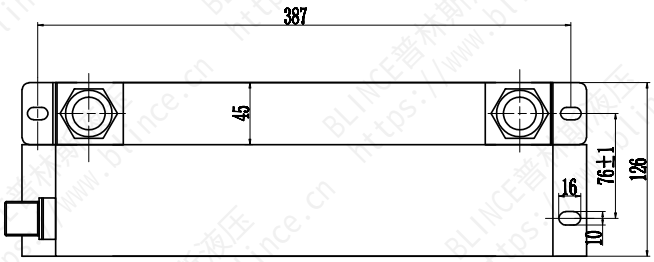
◆AH0608TL-60L



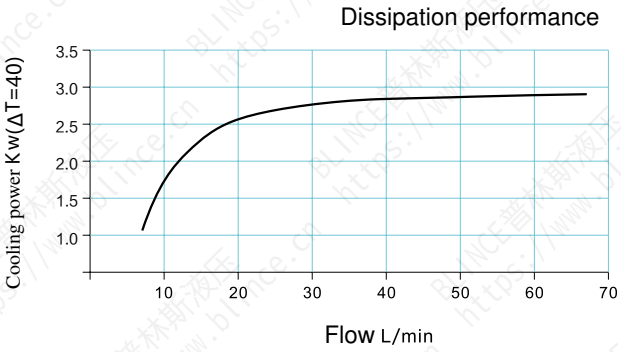
Model	AH0608TL	Cooling capacity	3000Kcal/h
Flow	60L/min	Packing size	44*22*15.5cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	2*48W	Volume	400m³/h
Dissipating area	1.8m²	Thread	G3/4"
Fan diameter	∅170mm		

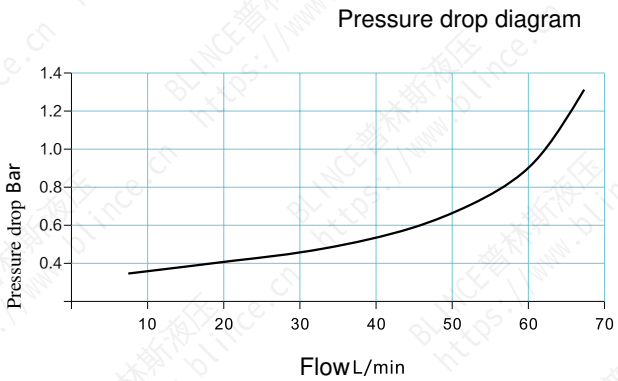
◆Dimension





◆Performance



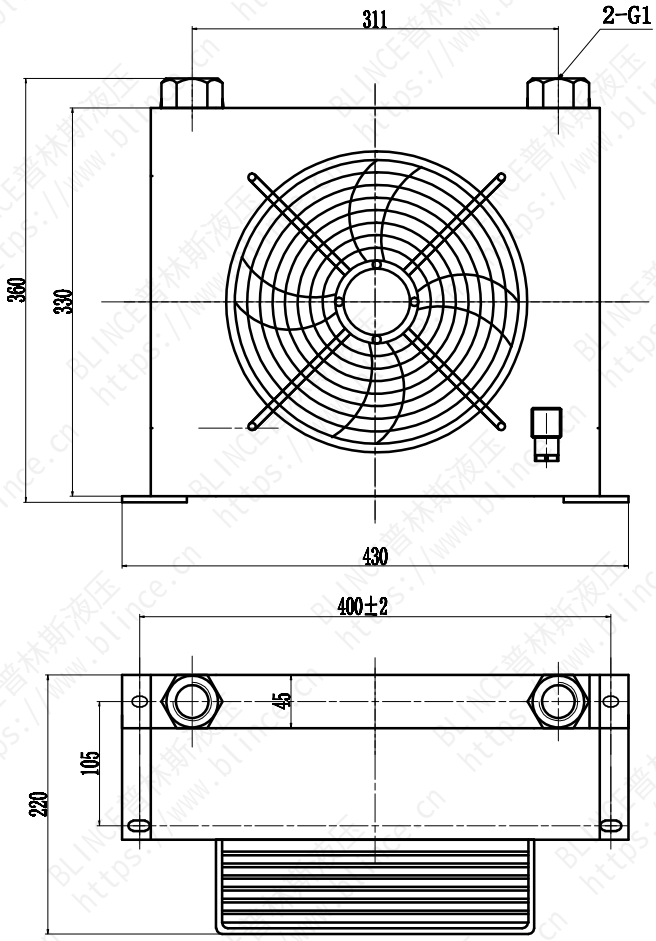


◆AH1012T-100L

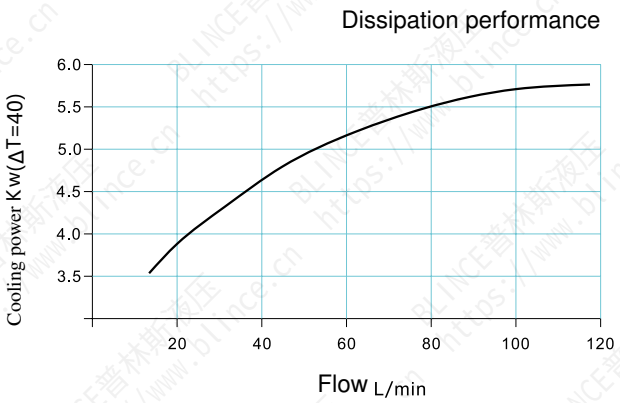
Model	AH1012T	Cooling capacity	6000Kcal/h
Flow	100L/min	Packing size	44.5*37*22cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	60W	Volume	1330m³/h
Dissipating area	3.2㎡	Thread	G1"
Fan diameter	∅250/300mm		

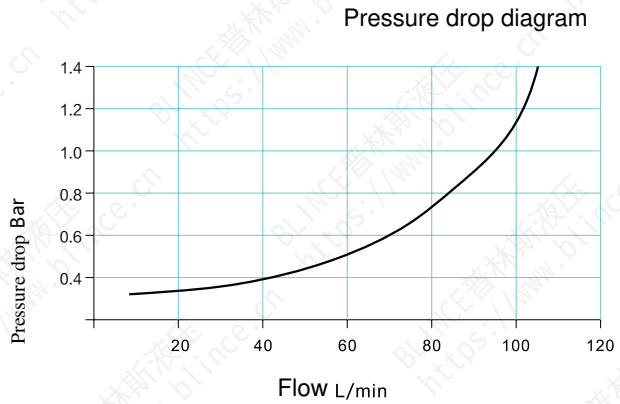


◆Dimension



◆Performance



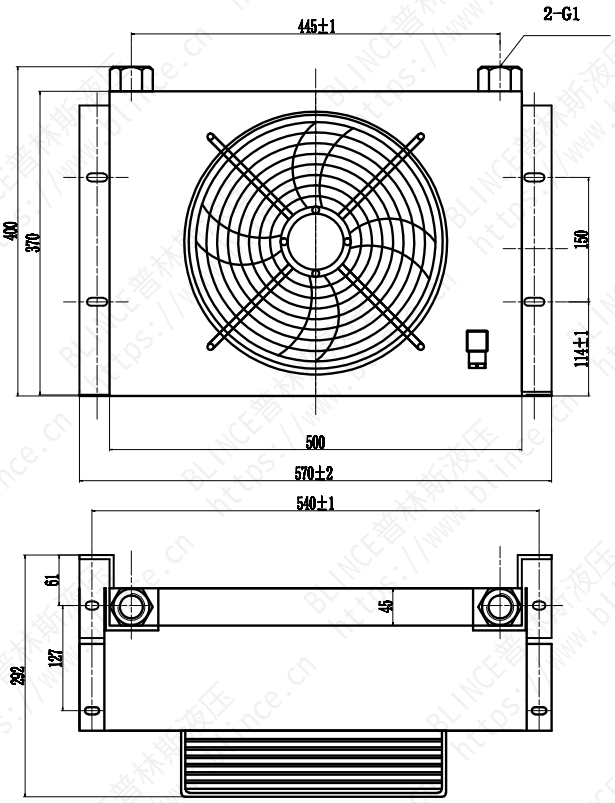


◆AH1417T–150L

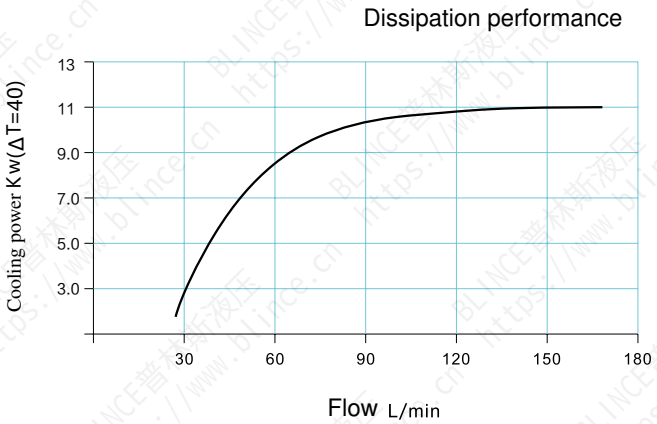


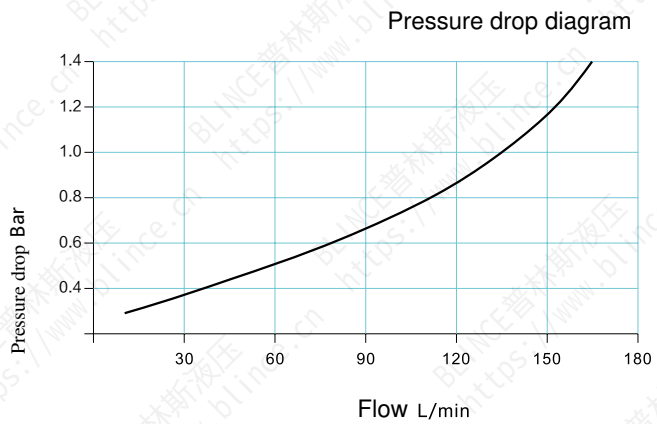
Model	AH1417T	Cooling capacity	10000Kcal/h
Flow	150L/min	Packing size	58*45*30cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	130W	Volume	1810m³/h
Dissipating area	6.2m²	Thread	G1"
Fan diameter	∅300mm		

◆Dimension



◆Performance



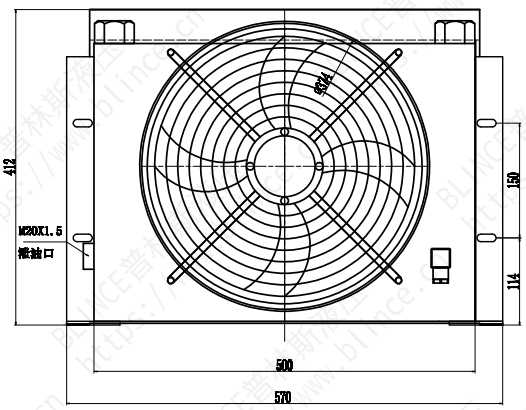


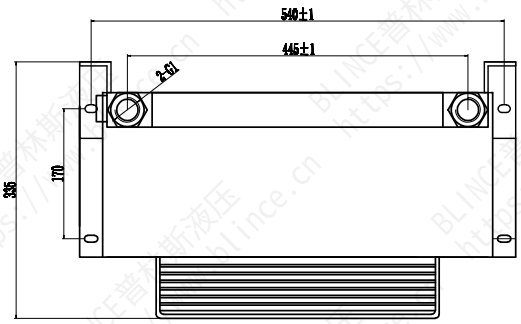
◆AH1417T-150L-Plus

Model	AH1417T-Plus	Cooling capacity	12000Kcal/h
Flow	150L/min	Packing size	58*45*30cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	216W	Volume	1810m³/h
Dissipating area	6.2㎡	Thread	G1"
Fan diameter	∅350mm		

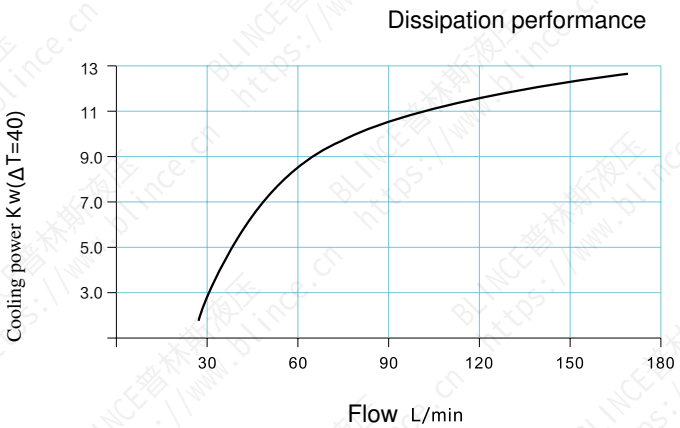


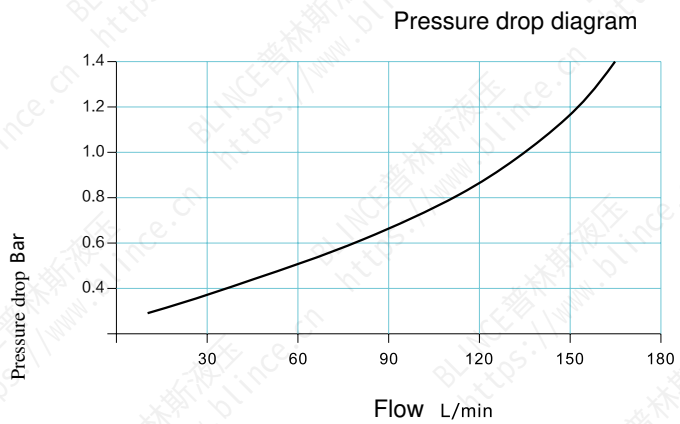
◆Dimension





◆Performance



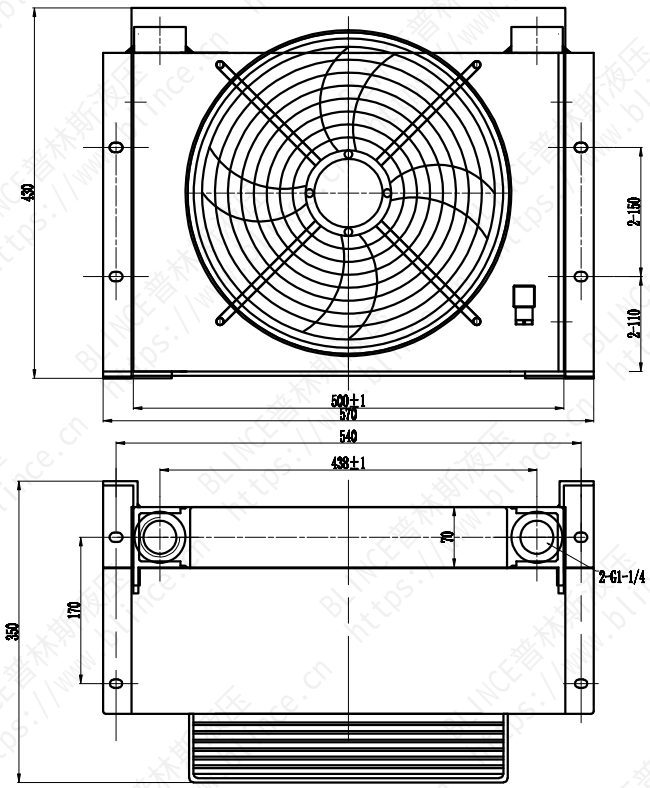


◆AH1470T–200L

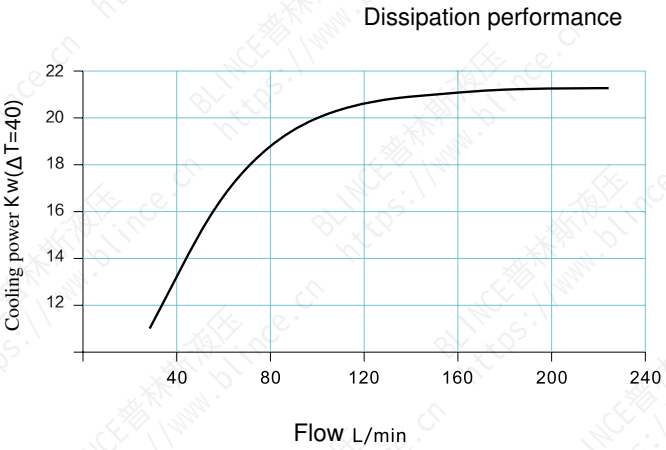


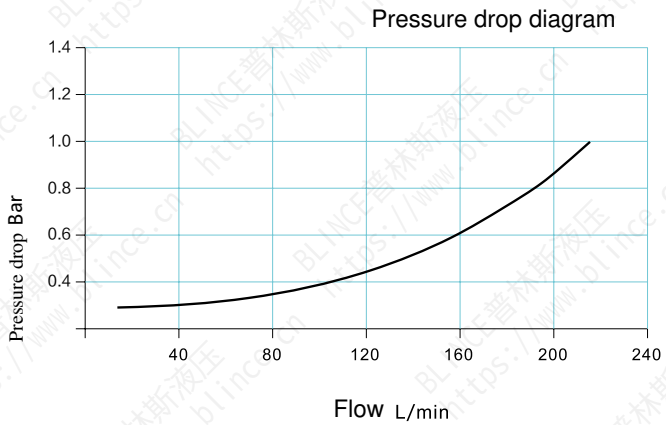
Model	AH1470T	Cooling capacity	18000Kcal/h
Flow	200L/min	Packing size	58*45*30cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	142W	Volume	1810m³/h
Dissipating area	8.3㎡	Thread	G1-1/4"
Fan diameter	∅350mm		

◆Dimension



◆Performance



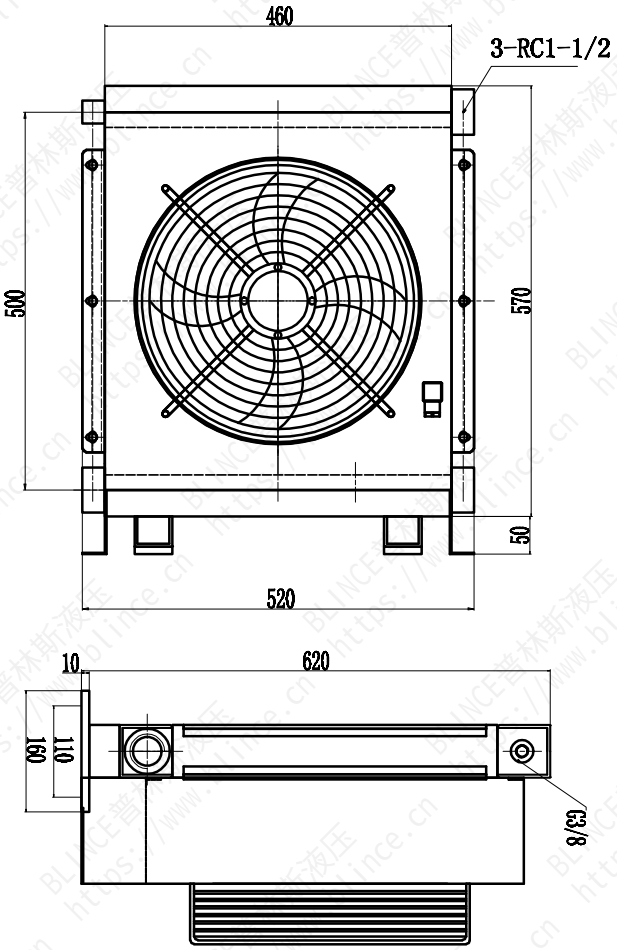


◆AH1490L–250L

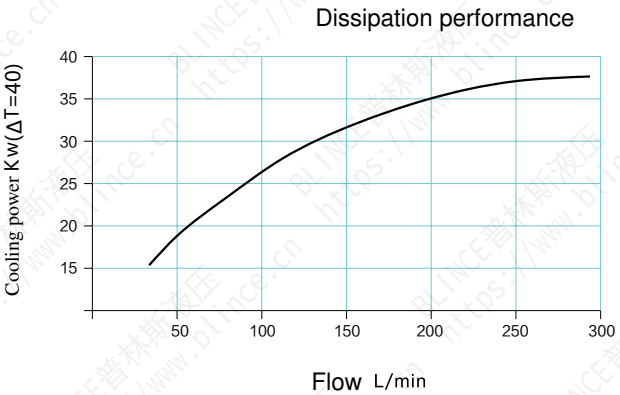
Model	AH1490L	Cooling capacity	28000Kcal/h
Flow	250L/min	Packing size	64*54*40cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	150W	Volume	3150m³/h
Dissipating area	10.5m²	Thread	RC1-1/2"
Fan diameter	∅350mm		

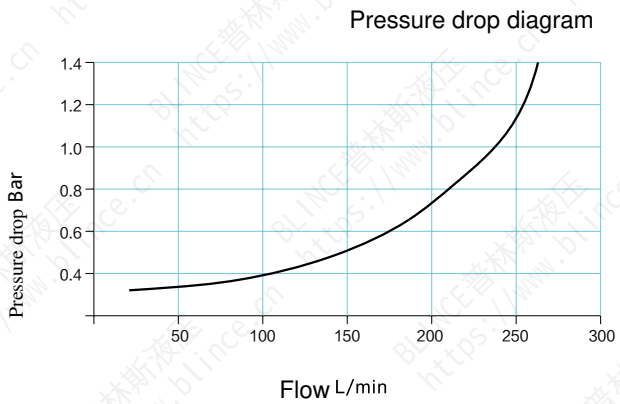


◆Dimension



◆Performance



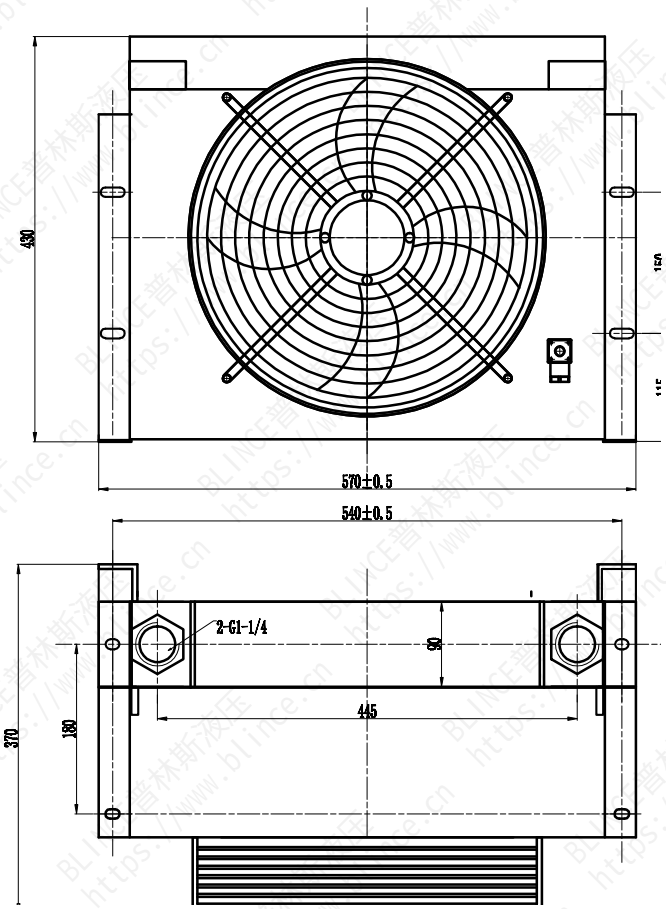


◆AH1490T–250L

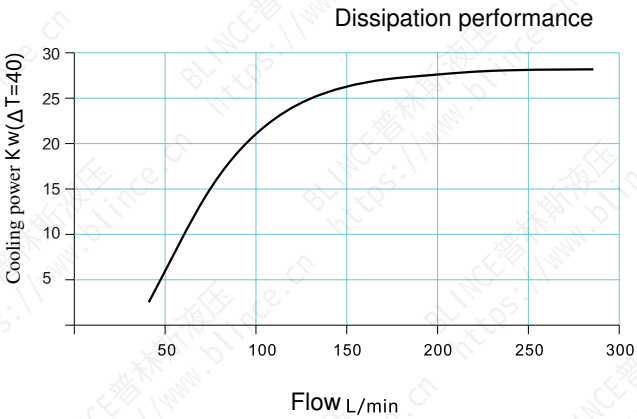


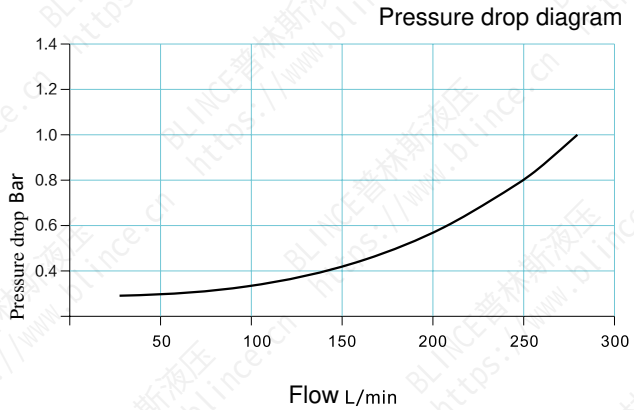
Model	AH1490T	Cooling capacity	24000Kcal/h
Flow	250L/min	Packing size	58*45*38cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	150W	Volume	3150m³/h
Dissipating area	10.5m²	Thread	G1-1/4"
Fan diameter	∅350mm		

◆Dimension



◆Performance



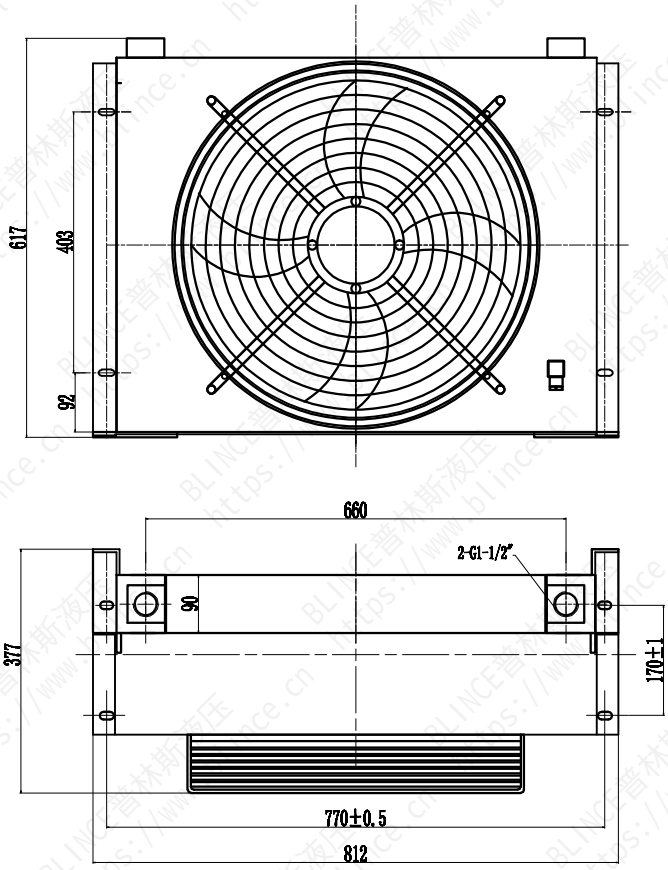


◆AH1680T–300L

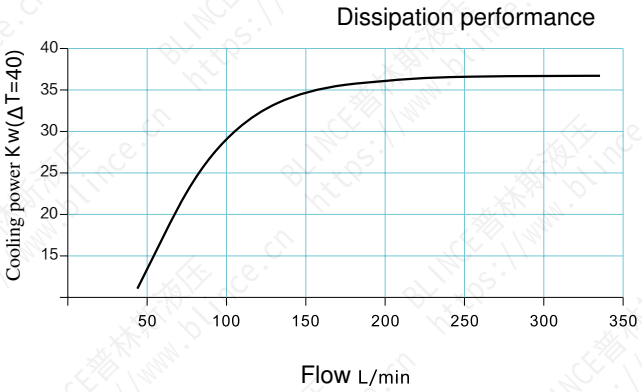
Model	AH1680T-CA	Cooling capacity	32000Kcal/h
Flow	300L/min	Packing size	85*66*42cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	380W	Volume	4200m³/h
Dissipating area	18m²	Thread	G1-1/2"
Fan diameter	∅500mm		

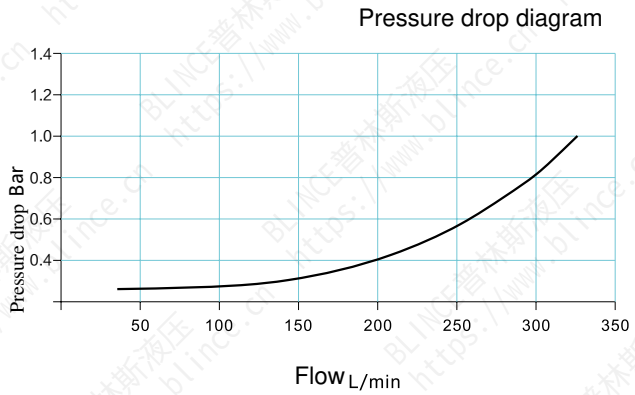


◆Dimension



◆Performance



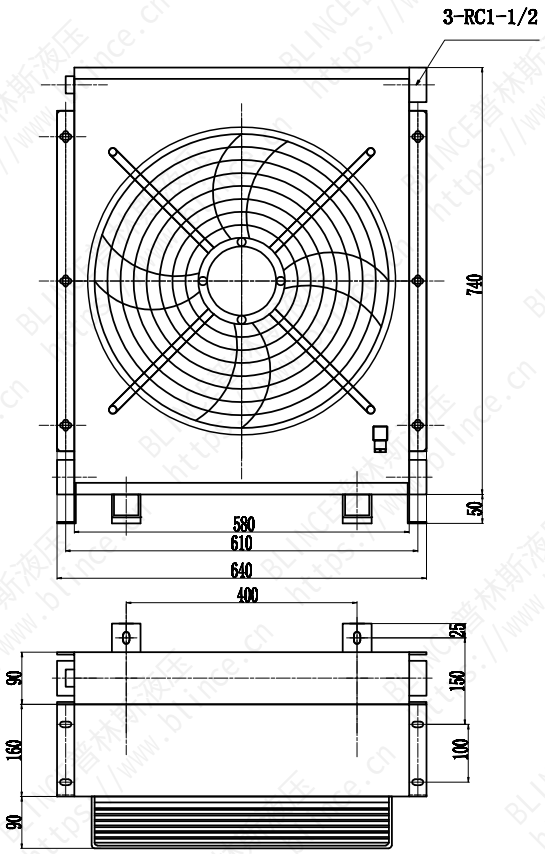


◆AH1890L–300L

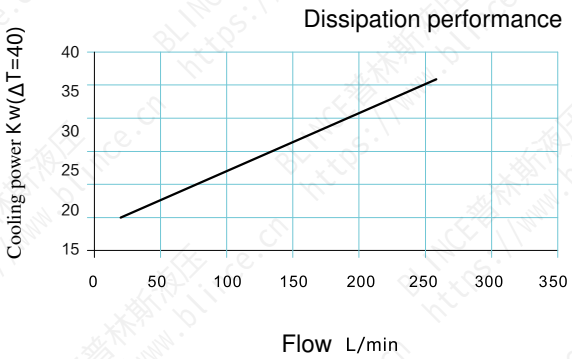


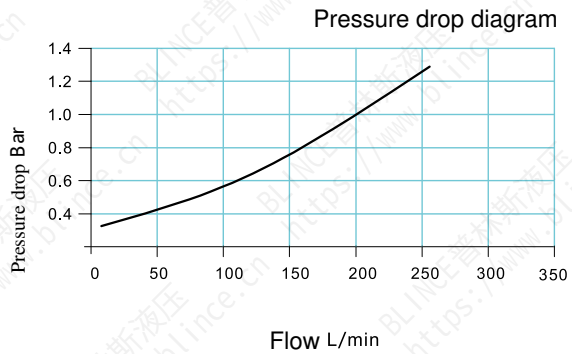
Model	AH1890L	Cooling capacity	32000Kcal/h
Flow	300L/min	Packing size	74*58*94cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	380W	Volume	8760m³/h
Dissipating area	24m²	Thread	G1-1/2"
Fan dimeter	∅500mm		

◆Dimension



◆Performance



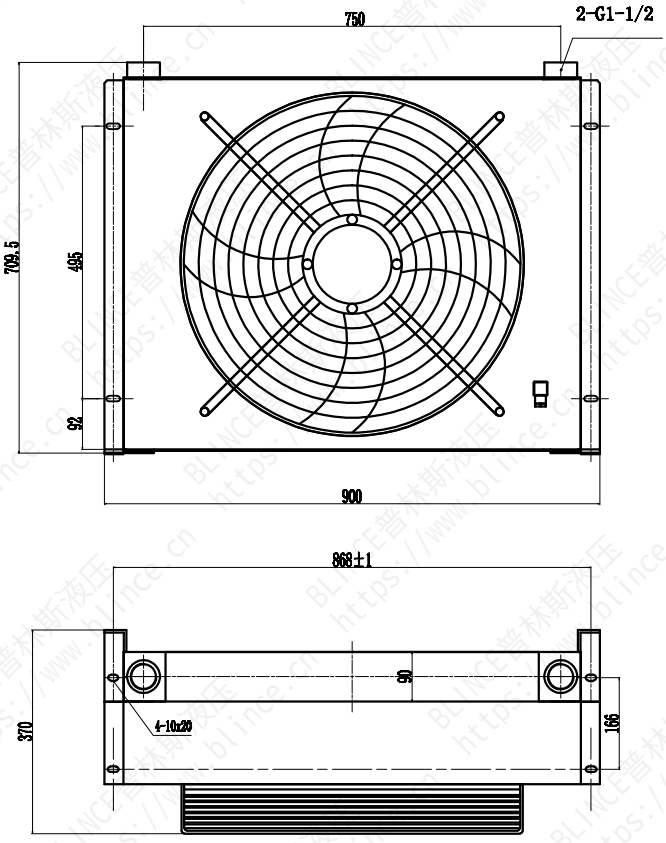


◆AH2431T-450L

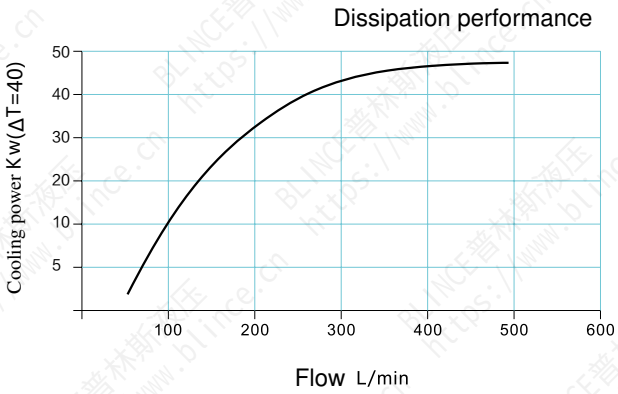
Model	AH2431T	Cooling capacity	40000Kcal/h
Flow	450L/min	Packing size	95*75*43cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	836W	Volume	11800m³/h
Dissipating area	33.2㎡	Thread	G1-1/2"
Fan diameter	∅600mm		

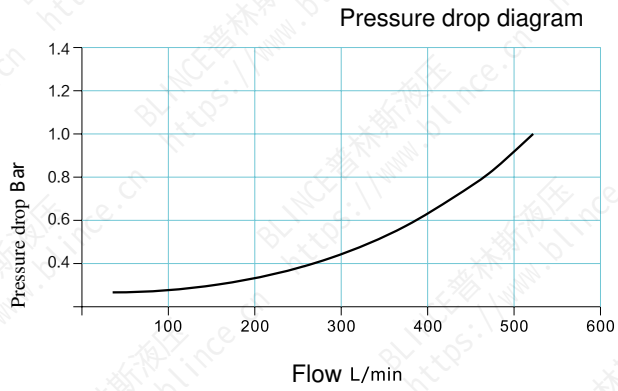


◆Dimension



◆Performance



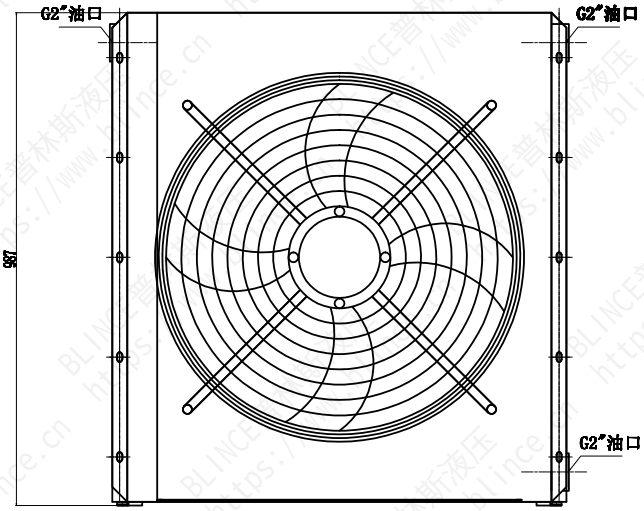


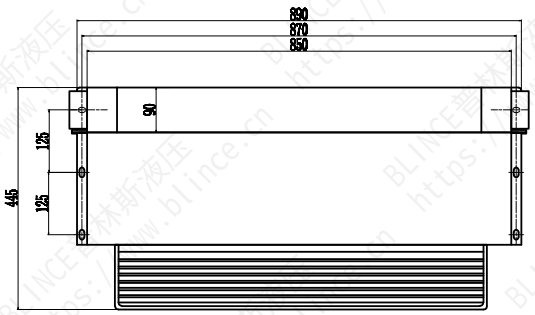
◆AH3818T–600L



Model	AH3818T	Cooling capacity	50000Kcal/h
Flow	600L/min	Packing size	105*97*55cm
Working pressure	2Mpa	Fan voltage	AC380V/220V DC12V/24V
Fan power	1600W	Volume	23500m³/h
Dissipating area	48.2m²	Thread	G2"
Fan diameter	Ø710mm 4 of Ø350mm		

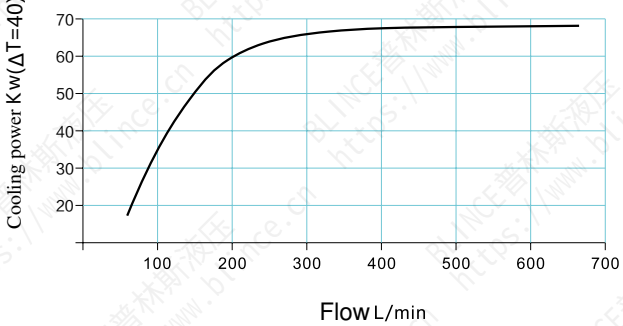
◆Dimension





◆Performance

Dissipation performance



Pressure drop diagram

