



***Stainless Steel Evaporative Condenser
With Stainless Steel Coil***

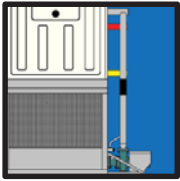


www.heataway.net



Company Profile

HEATAWAY is leader in Stainless Steel Evaporative Condenser with over 30 years of experience. We dedicate to reach the solution for durable and efficiency of Stainless Steel Evaporative Condenser and design Stainless Steel coil for easy maintenance and cleaning scale. Nowadays we strives to seek out and find better ways of manufacturing premium quality cooling product and satisfying customers.



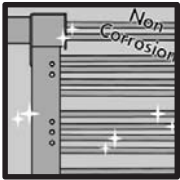
Durable Construction

All metal parts are made from AISI304 Stainless steel for long life-time operation



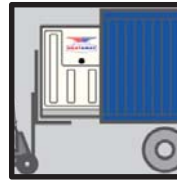
Compact Design

Easy installation and designed with minimal connection to reduce work time.



Low Maintenance

With non-corrosion feature of stainless steel. The condenser can be cleaned with chemical scale remover.



Containerized Unit

Designed to ship in standard shipping containers in two sections with easy and low cost shipment.



Product Features

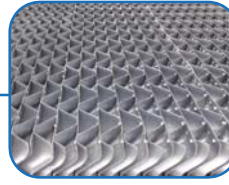
Direct Driven fan

High performance axial flow fan from Multi-Wing operate at 960 rpm directly driven



Drift Eliminator

Non corrosion PVC with UV protection drift eliminator, high efficiency and low drift loss, built in section easy to remove for service



Casing

ECS Model Stainless Steel Casing
Food grade material for food industry

ECF Model Fiberglass Casing
Lighter weight and clean look with less stain

Condenser Coil

AISI304 Stainless steel coil & frame with IQA proved and pressure tested to 25 bar

Water Pump

Low cost power water pump

Inspection hole

For inspection of spray nozzles



Spray Nozzle

Multilayer water spray nozzles feature complete wetting of stainless steel coil surfaces during all operating conditions

Structure and Water Sump

Made of AISI304 Stainless Steel with IQA proved and design to minimize volume of water in sump for low operating weight

Louver

Corrosion resistant PVC with UV protection
Option : Stainless steel louver

Selection Method

Operating condition as required :

Total Heat of Rejection: 1,150 kW
Condensing Temperature: 38°C
Wet Bulb Temperature: 28°C

Selection :

1. Determine correction factor for R-717 at 38°C condensing temperature and 28°C wet bulb temperature from Table 1 which is 1.30.
2. Multiply 1,150 kW x 1.30 = 1,495 kW.
3. From Technical Data, select a unit with a nominal heat rejection rating equal to or greater than 1,495 kW. Select a ECF-1500 with a nominal heat rejection rating of 1,500 kW.

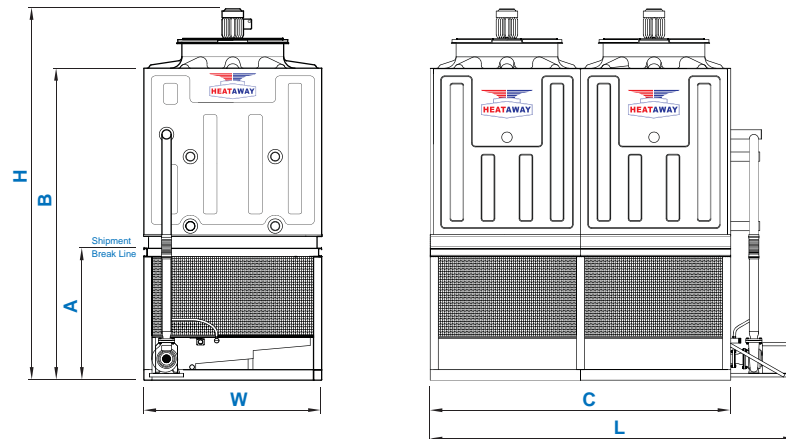
Remark : For correction factor of other refrigerant, please contact us.

Table 1 : Correction Factor R-717

Condensing Temperature °C	Wet Bulb Temperature C				
	22	24	26	28	30
34	1.24	1.44	1.74	2.24	3.24
36	1.05	1.18	1.37	1.65	2.13
38	0.90	1.00	1.12	1.30	1.58
40	0.79	0.86	0.95	1.07	1.24

*Nominal capacity is rated at 38°C condensing temperature and 24°C wet bulb temperature.

Technical Data



Stainless Steel Model

Model ECS	Nominal Capacity (kW)	Dimension (mm)						Motor Size (kW)	
		W	L	H	A	B	C	Fan	Pump
280	280	1,590	2,480	3,965	1,550	3,155	1,900	4.0	1.1
330	330	1,590	2,480	4,205	1,550	3,395	1,900	4.0	1.1
400	400	2,200	2,480	4,230	1,550	3,485	1,900	5.5	1.1
500	500	2,200	2,480	4,470	1,550	3,725	1,900	5.5	1.1
600	600	2,200	3,630	4,230	1,550	3,485	2,930	5.5	1.5
700	700	2,200	3,630	4,470	1,550	3,725	2,930	5.5	1.5
850	850	2,200	4,425	4,230	1,550	3,485	3,720	(2) 5.5	2.2
1000	1,000	2,200	4,425	4,470	1,550	3,725	3,720	(2) 5.5	2.2
1250	1,250	2,200	6,320	4,330	1,600	3,585	5,540	(3) 5.5	3.0
1500	1,500	2,200	6,320	4,570	1,600	3,825	5,540	(3) 5.5	3.0
1700	1,700	2,200	8,260	4,330	1,600	3,585	7,360	(4) 5.5	5.5
1900 ¹⁾	1,900	2,890	6,450	4,570	1,600	3,825	5,540	(3) 5.5	5.5
2000	2,000	2,200	8,260	4,570	1,600	3,825	7,360	(4) 5.5	5.5
2150 ¹⁾	2,150	2,890	8,260	4,330	1,600	3,585	7,360	(4) 5.5	7.5
2250 ¹⁾	2,250	2,200	8,260	4,810	1,600	4,065	7,360	(4) 5.5	5.5
2500 ¹⁾	2,500	2,890	8,260	4,570	1,600	3,825	7,360	(4) 5.5	7.5
2800 ¹⁾	2,800	2,890	8,260	4,810	1,600	4,065	7,360	(4) 5.5	7.5
3000 ¹⁾	3,000	3,150	8,260	4,570	1,600	3,830	7,360	(6) 5.5	7.5

Fiberglass Model

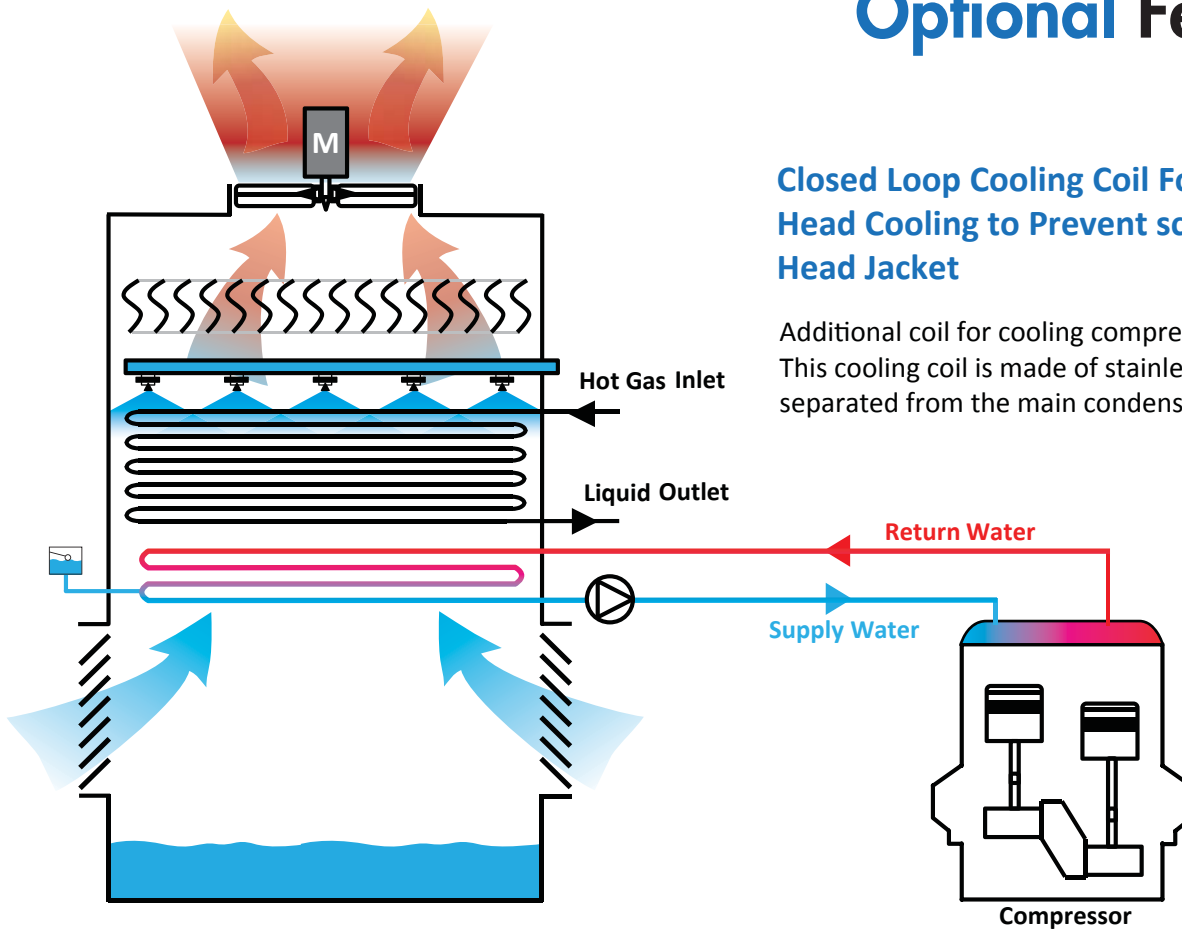
Model ECF	Nominal Capacity (kW)	Dimension (mm)						Motor Size (kW)	
		W	L	H	A	B	C	Fan	Pump
400	400	2,200	2,480	4,470	1,550	3,725	1,820	5.5	1.1
500	500	2,200	2,480	4,470	1,550	3,725	1,820	5.5	1.1
600	600	2,200	3,630	4,470	1,550	3,725	2,850	5.5	1.5
700	700	2,200	3,630	4,470	1,550	3,725	2,850	5.5	1.5
850	850	2,200	4,425	4,470	1,550	3,725	3,640	(2) 5.5	2.2
1000	1,000	2,200	4,425	4,470	1,550	3,725	3,640	(2) 5.5	2.2
1250	1,250	2,200	6,320	4,570	1,600	3,825	5,460	(3) 5.5	3.0
1500	1,500	2,200	6,320	4,570	1,600	3,825	5,460	(3) 5.5	3.0
1700	1,700	2,200	8,260	4,570	1,600	3,825	7,280	(4) 5.5	5.5
2000	2,000	2,200	8,260	4,570	1,600	3,825	7,280	(4) 5.5	5.5
2250	2,250	2,200	8,260	4,570	1,600	3,825	7,280	(4) 5.5	5.5

Note 1) These model cannot ship in container

Optional Features

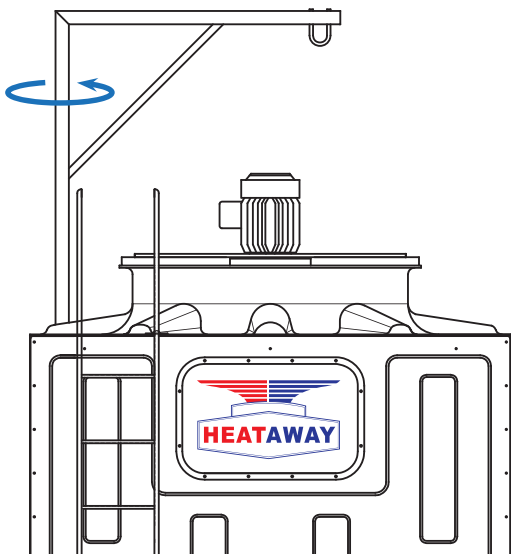
Closed Loop Cooling Coil For Compressor Head Cooling to Prevent scale In Cooling Head Jacket

Additional coil for cooling compressor jacket. This cooling coil is made of stainless steel and separated from the main condenser coil.



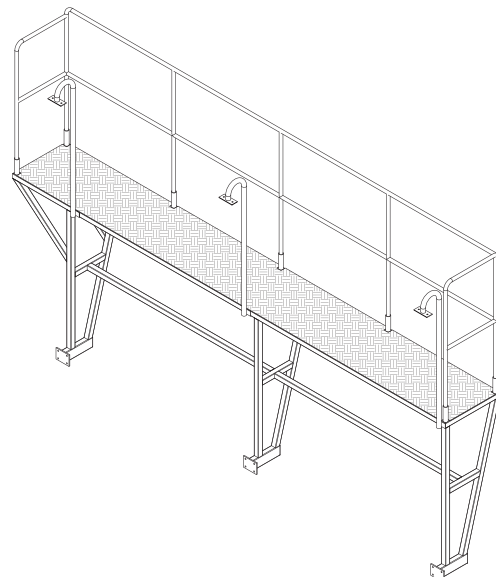
Motor Davit Arm

Motor davit arm is available which a chain hoist can be mounted to easily lower the motor. Motor davit mounting is provided.



Easy Mounting Platform

Can be added to the unit for inspection cleaning and maintenance of drift eliminators and water spray nozzles.



Remark

- 1) For more detail and specifications, please contact us.
- 2) We reserve the right to change our specification and construction for better performance or easier to operate.



HEATAWAY Co., Ltd

567/14 Onnut Rd., Pragate, Bangkok 10250, Thailand

Tel : +66 2000 6500 to 1 Fax : +66 2000 6502

www.heataway.net

E-mail : sales@heataway.net