Evaporative Condenser

CHT TECK CO., LTD

www.chtrefrigeration.com

CHT TECK Factory Show

Since 2012, CHT TECK Co., Ltd has been enaged in evaporative and air cooling technology,
R&D and manufactureing closed circuit cooling tower, evaporative condensers, air cooler unit.

Mission: To build value in industrial refrigeration and cooling field.

Factory: Located in Anqiu Industrial Zone, Weifang City, China
2 workshop, 4 production line, Workshop area 38000m2, Employee 83.

Product: Cooling Tower, Closed Circuit Cooling Tower, Evaporative Condenser, Air Cooler Unit.

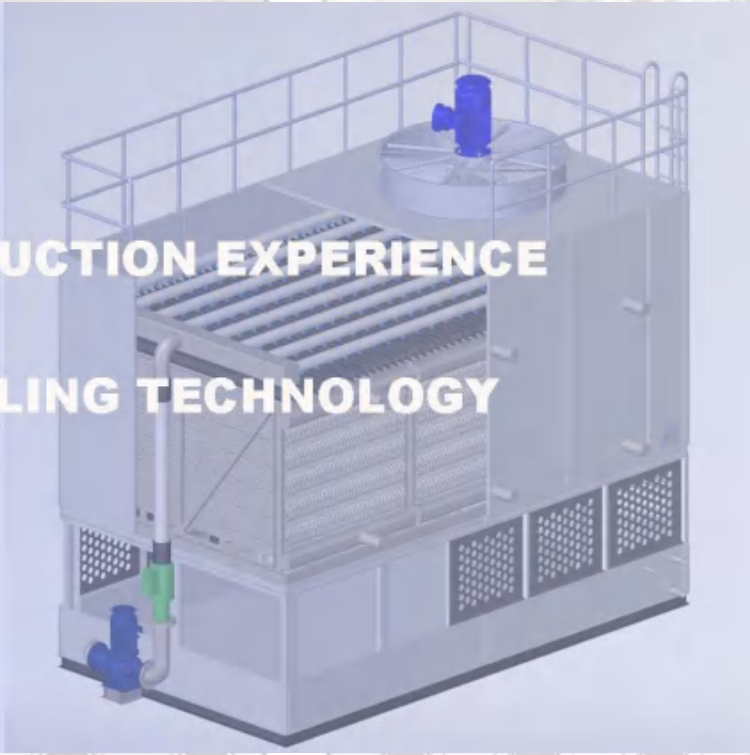
Team: Staff 92, engineers 11(including senior engineer 5)
Skillful production team with over decade manufacturing experience.

Market: Till 2024, has established distributor branches in India, Philippines, Australia, Spain, Russia, Mexico.
Products exported to 52 countries worldwide
Win a good reputation in market for excellent quality and reliability.

CHT TECK Factory Show

+12 YEAR R&D AND PRODUCTION EXPERIENCE

EVAPORATIVE & AIR COOLING TECHNOLOGY



CHT TECK

CHT TECK

Quality Creates The Future

Company profile

CHT TECK CO., LTD is a reliable equipment supplier for customers worldwide in industrial refrigeration and cooling field. Her factory of evaporative condenser and cooling tower equipment located in Anqiu industrial Zoon, Weifang city China, with area 38000m^2, is the production base of 'CHT TECK' brand evaporative condenser, cooling tower, closed circuit cooling tower, air cooler etc.

Why choose CHT TECK?

*Own excellent technical team, who are able to provide reliable technical solution support.

*Guarantee all equipment reach to 100% heat rejection capacity, make your system operate safely, energy save, and long service life.

*The raw materials and parts of all equipment are selected from high-quality brands, and the materials are sufficient to ensure the long-lasting durability of the equipment.

*Skillful production worker team. Espcially proud that we have many skillful welding and assembly workers, who guarantee the equipment safe operation during service life.

*Advanced laser cutting/drilling machines, folding machines, bending machines, and welding machines, etc. Advanced production equipment ensures production accuracy and reduces failure rates.

*Have a sound quality control system. From technical drawings and documents, raw materials entering the factory, to every aspect of equipment production, every process has a strict and standardized quality control process.

*Good sense of service. Focusing on meeting customer needs, we constantly improve our service awareness and gain the trust of customers with professional technology and attitude.

*Products hot sell over 50 countries worldwide. Ability to provide suitable and professional product supply to customers in different countries, different environments, and different working conditions, and gain praise from customers.

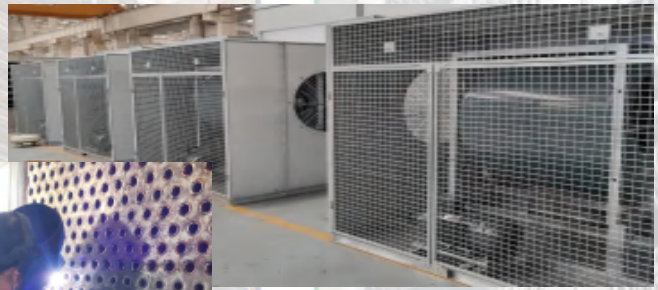
*Cooperative with many international famous brands. Such as Coca-Cola, Nestlé, Bitzer, Ingersoll Rand, GEA, Mycom, etc.

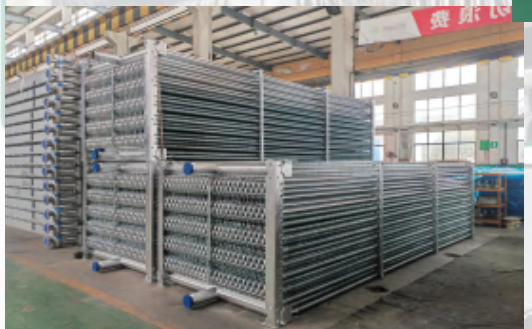
Looking Forward To A Long-term Cooperation With You!

CHT TECK Workshop Show

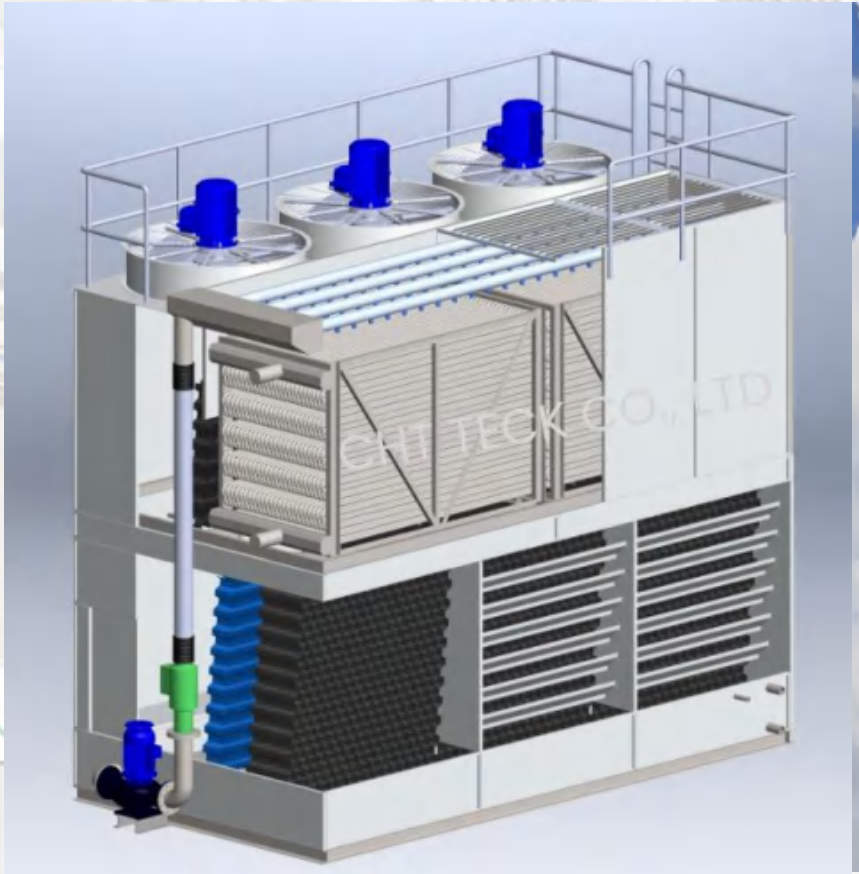


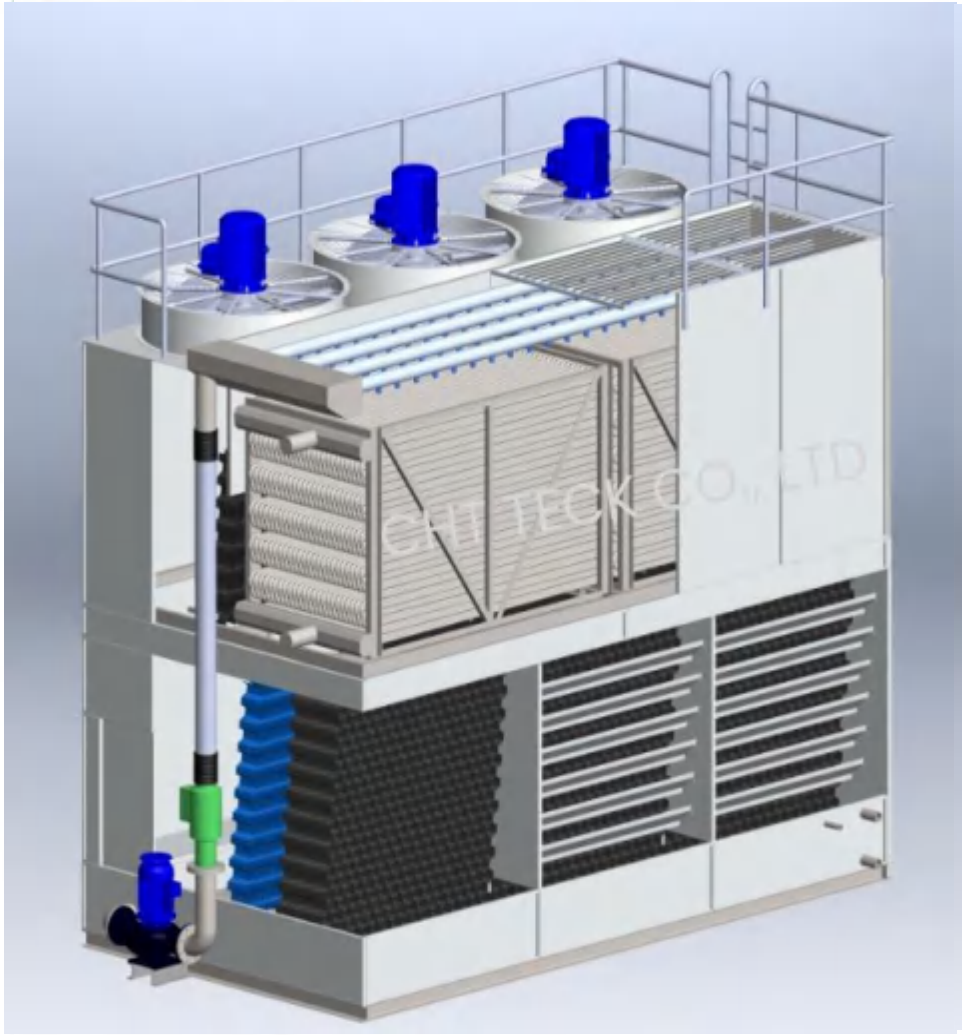




CEHX Series Mixed Flow Type Evaporative Condenser

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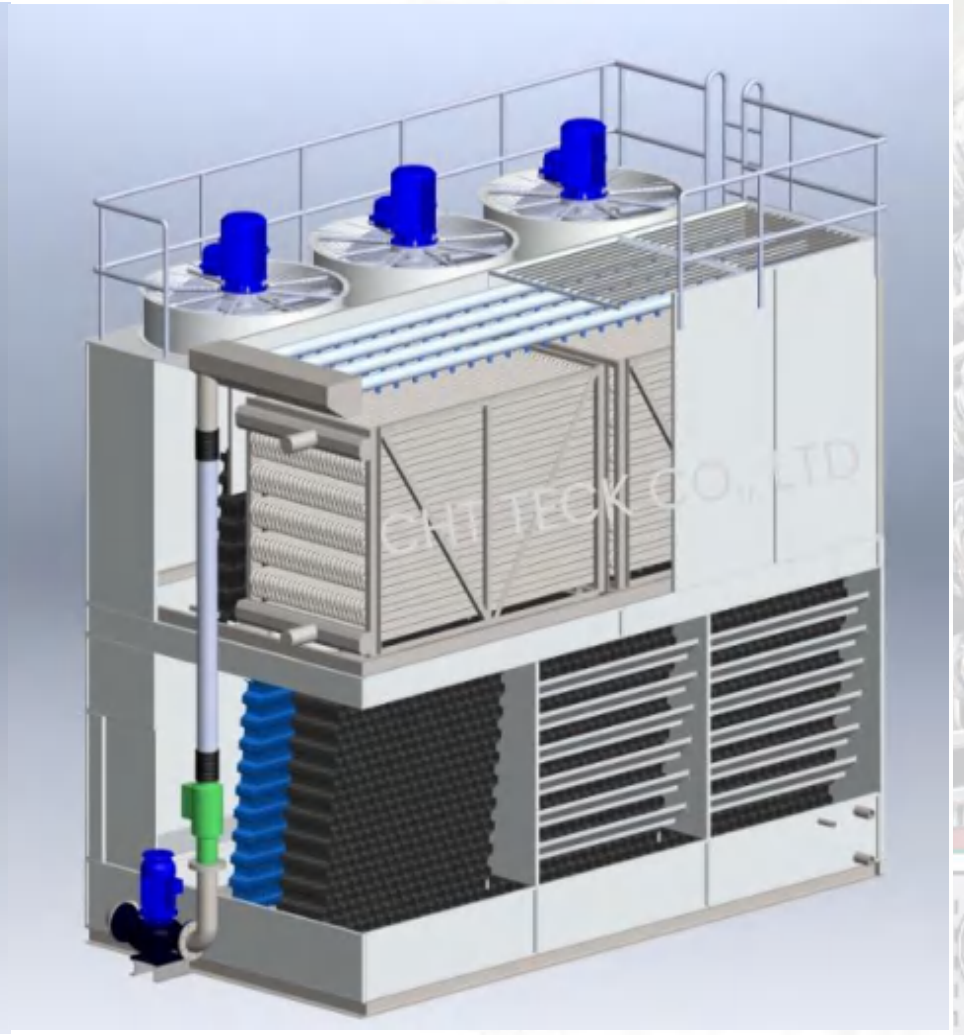
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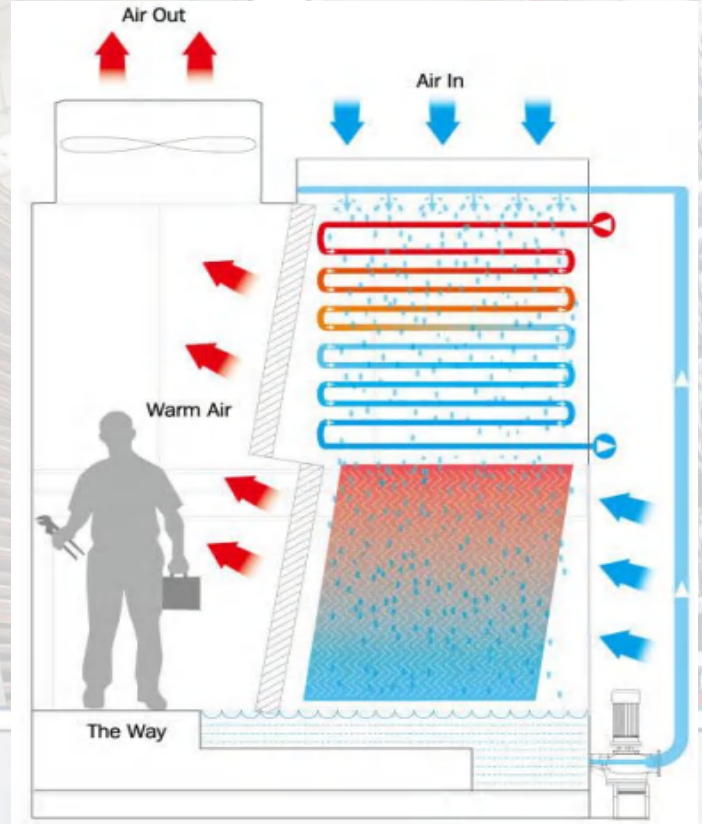
CEHX Series Mixed Flow Type Evaporative Condenser

CEHX series evaporative condenser is designed with a combined multi-modular configuration, equipped with fill design to enlarge efficiency in spraying water cooling.

When water is pumped from water basin and distributed over the fill. Air is induced by axial fan through the fill to make water evaporating and cascading downward the coil. The coil rejects heat through both evaporative cooling through fresh air stream and sensible cooling using the precooled recirculating spray water.

And the heat exchange on coil surface is mainly sensible heat exchange which reduces evaporation load and minimize the tendency to form scale on the coil.The remaining water falls to the cooled water basin where it is recirculated by pump to the upper water distribution system and back down over the fill and coil.



CEHX Series Mixed Flow Type Evaporative Condenser

***Why Choose CEHX Series Evaporative Condenser**

a. Mixed flow, Induced Draft, Eco-Friendly Type

b. 100% heat rejection capacity guaranteed

c. Equipped with fill for spraying water cooling, reduce coil area required, more cost effective.

d. Reduce the possibility of scaling as the direction of air flow same to the spraying water

e. Large door, space and aisle inside for maintenance and repair.

f. With Patented design Air Inlet Grille to Anti UV and block the entry of foreign matter, Effectively prevent the formation of Legionella.

Prevent Scaling As No Dry Point On The Coil

Technical Specificaton- CEHX Series Evaporative Condenser (Suitable To Container Shipping)

Model	Heat Rejection (KW)	Dimension (mm)			Fan			Spraying Pump			Connection (mm)	
		L	W	H	Qty. (Pcs)	Volume (m3/h)	Power (KW)	Qty. (Pcs)	Volume (m3/h)	Power (KW)	Inlet	Outlet
CEHX-320	320	1924	2200	3850	1	45000	4	1	28	0.75	1-DN65	1-DN65
CEHX-420	420	1924	2200	4350	1	45000	4	1	28	0.75	1-DN80	1-DN80
CEHX-520	520	2840	2200	4120	2	35000	2.2	1	53	1.1	1-DN100	1-DN100
CEHX-595	595	2840	2200	4120	2	40000	3	1	53	1.1	1-DN100	1-DN100
CEHX-705	705	2840	2200	4350	2	45000	4	1	53	1.1	1-DN100	1-DN100
CEHX-765	765	2840	2200	4550	2	40000	3	1	53	1.1	1-DN100	1-DN100
CEHX-810	810	2840	2200	4550	2	45000	4	1	53	1.1	1-DN100	1-DN100
CEHX-900	900	4220	2200	4120	3	40000	3	1	70	1.5	1-DN100	1-DN100
CEHX-980	980	4220	2200	4150	3	45000	4	1	70	1.5	1-DN100	1-DN100
CEHX-1100	1100	4220	2200	4850	3	45000	4	1	84	2.2	2-DN100	1-DN100
CEHX-1215	1215	4220	2200	5050	3	45000	4	1	84	2.2	2-DN100	1-DN100
CEHX-1380	1380	5600	2200	4820	4	40000	3	1	150	3	2-DN100	1-DN100
CEHX-1450	1450	5600	2200	4850	4	45000	4	1	150	3	2-DN100	1-DN100

Note: 1, The Rated Heat Rejection Capacity is for R717 refrigeratant, based on Condensing Temperature 36℃and Wet Bulb Temperature 26℃.
2, The Model selection shall be calculated by technical team from CHT TECK, based on projects actual operation condition.

Technical Specificaton- CEHX Series Evaporative Condenser (Suitable To Container Shipping)

Model	Rated Heat Rejection (KW)	Dimension (mm)			Fan			Spraying Pump			Connection (mm)	
		L	W	H	Qty. (Pcs)	Volume (m3/h)	Power (KW)	Qty. (Pcs)	Volume (m3/h)	Power (KW)	Inlet	Outlet
CEHX-1520	1520	5600	2200	4850	4	55000	5.5	1	150	3	2-DN100	1-DN100
CEHX-1680	1680	5600	2200	5050	4	55000	5.5	1	150	3	2-DN100	1-DN100
CEHX-1725	1725	6980	2200	4820	5	40000	3	1	180	4	2-DN100	2-DN100
CEHX-1820	1820	6980	2200	4850	5	45000	4	1	180	4	2-DN100	2-DN100
CEHX-1900	1900	6980	2200	5050	5	55000	5.5	1	180	4	2-DN100	2-DN100
CEHX-2140	2140	8360	2200	4850	6	45000	4	1	230	5.5	2-DN100	2-DN100
CEHX-2300	2300	8360	2200	4850	6	55000	5.5	1	230	5.5	2-DN100	2-DN100
CEHX-2450	2450	8360	2200	5050	6	55000	5.5	1	230	5.5	2-DN100	2-DN100
CEHX-2660	2660	9740	2200	4850	7	55000	5.5	2	150	3	2-DN100	2-DN100
CEHX-2880	2880	9740	2200	5050	7	55000	5.5	2	150	3	2-DN100	2-DN100

Note: 1, The Rated Heat Rejection Capacity is for R717 refrigeratant, based on Condensing Temperature 36℃and Wet Bulb Temperature 26℃.
2, The Model selection shall be calculated by technical team from CHT TECK, based on projects actual operation condition.

Factor For Model Selection

For R717 (Ammonia) Refrigerant

Condensing Temperature (℃)	Wet Bulb Tempeature (℃)																			
	10	12	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
29	0.72	0.78	0.86	0.96	1.01	1.09	1.18	1.3	1.43	1.6	1.84	2.16	2.66							
30	0.68	0.73	0.81	0.88	0.94	1	1.07	1.15	1.27	1.4	1.59	1.79	2.13							
31	0.64	0.68	0.74	0.82	0.86	0.91	0.97	1.04	1.12	1.22	1.36	1.52	1.74	2.06						
32	0.61	0.65	0.69	0.74	0.8	0.84	0.89	0.95	1.02	1.1	1.2	1.34	1.49	1.7	2.02					
33	0.57	0.61	0.65	0.7	0.73	0.78	0.82	0.87	0.92	0.99	1.07	1.16	1.29	1.45	1.66	1.96				
34	0.55	0.58	0.62	0.66	0.69	0.72	0.76	0.8	0.85	0.9	0.96	1.04	1.14	1.27	1.42	1.63	1.9			
35	0.52	0.54	0.58	0.62	0.64	0.67	0.7	0.73	0.78	0.83	0.88	0.94	1.02	1.11	1.23	1.37	1.59	1.85	2.16	2.49
36	0.5	0.52	0.55	0.59	0.61	0.63	0.66	0.69	0.72	0.75	0.81	0.86	0.92	1	1.09	1.22	1.35	1.57	1.76	2.05
37	0.47	0.49	0.52	0.55	0.57	0.59	0.61	0.64	0.67	0.7	0.73	0.79	0.84	0.9	0.97	1.06	1.21	1.33	1.52	1.71
38	0.45	0.47	0.5	0.53	0.55	0.56	0.58	0.6	0.62	0.65	0.68	0.72	0.76	0.82	0.88	0.96	1.04	1.19	1.35	1.5
39	0.43	0.45	0.47	0.5	0.52	0.53	0.54	0.56	0.58	0.61	0.63	0.67	0.7	0.74	0.8	0.86	0.95	1.04	1.18	1.28
40	0.42	0.43	0.45	0.48	0.49	0.5	0.52	0.53	0.55	0.58	0.6	0.62	0.66	0.69	0.73	0.78	0.85	0.93	1.01	1.17
41	0.4	0.41	0.43	0.45	0.46	0.47	0.49	0.5	0.52	0.54	0.56	0.58	0.61	0.64	0.67	0.71	0.76	0.83	0.92	1.01
42	0.39	0.4	0.41	0.43	0.44	0.45	0.47	0.48	0.49	0.51	0.53	0.55	0.57	0.6	0.62	0.66	0.7	0.74	0.82	0.91
43	0.37	0.38	0.39	0.41	0.42	0.43	0.44	0.45	0.46	0.48	0.5	0.51	0.53	0.55	0.58	0.61	0.65	0.69	0.72	0.8
44	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.46	0.47	0.49	0.5	0.52	0.54	0.57	0.6	0.64	0.68	0.71
45	0.34	0.35	0.36	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.46	0.47	0.49	0.51	0.53	0.56	0.58	0.63	0.67

Factor For Model Selection

For HFC-22/134a (Freon) Refrigerant

Condensing Temperature (℃)	Wet Bulb Tempeature (℃)																	
	10	12	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
29	0.89	0.97	1.07	1.19	1.3	1.35	1.46	1.61	1.77	1.98	2.28	2.68	3.30					
30	0.84	0.91	1	1.09	1.17	1.28	1.33	1.43	1.57	1.74	1.97	2.22	2.64					
31	0.79	0.84	0.92	1.02	1.07	1.13	1.20	1.29	1.39	1.51	1.69	1.88	2.16	2.55				
32	0.76	0.81	0.86	0.92	0.99	1.04	1.10	1.18	1.26	1.36	1.49	1.66	1.85	2.11	2.5			
33	0.71	0.76	0.81	0.87	0.91	0.97	1.02	1.08	1.14	1.23	1.33	1.44	1.60	1.8	2.06	2.43		
34	0.68	0.72	0.77	0.82	0.86	0.89	0.94	0.99	1.05	1.12	1.19	1.29	1.41	1.57	1.76	2.02	2.33	
35	0.64	0.67	0.72	0.77	0.79	0.83	0.87	0.91	0.97	1.03	1.09	1.17	1.26	1.38	1.53	1.7	1.97	2.29
36	0.62	0.64	0.68	0.73	0.76	0.78	0.82	0.86	0.89	0.93	1.00	1.07	1.14	1.24	1.35	1.51	1.67	1.95
37	0.58	0.61	0.64	0.68	0.71	0.73	0.76	0.86	0.83	0.87	0.91	0.98	1.04	1.12	1.20	1.31	1.5	1.65
38	0.56	0.58	0.62	0.66	0.68	0.69	0.72	0.74	0.77	0.81	0.84	0.89	0.94	1.02	1.09	1.19	1.29	1.48
39	0.53	0.56	0.58	0.62	0.64	0.66	0.67	0.69	0.72	0.76	0.78	0.83	0.87	0.92	0.99	1.07	1.18	1.29
40	0.52	0.53	0.56	0.6	0.61	0.62	0.64	0.66	0.68	0.72	0.74	0.77	0.82	0.86	0.91	0.97	1.05	1.15
41	0.50	0.51	0.53	0.56	0.57	0.58	0.61	0.62	0.64	0.67	0.69	0.72	0.76	0.79	0.83	0.88	0.94	1.03
42	0.48	0.50	0.51	0.53	0.55	0.56	0.58	0.6	0.61	0.63	0.66	0.68	0.71	0.74	0.77	0.82	0.87	0.92
43	0.46	0.47	0.48	0.51	0.52	0.53	0.55	0.56	0.57	0.6	0.62	0.63	0.66	0.68	0.72	0.76	0.81	0.86
44	0.45	0.46	0.47	0.48	0.5	0.51	0.52	0.53	0.55	0.57	0.58	0.61	0.62	0.64	0.67	0.71	0.74	0.78
45	0.42	0.43	0.45	0.46	0.47	0.48	0.50	0.51	0.52	0.53	0.55	0.57	0.58	0.61	0.63	0.66	0.69	0.72

2025 Business Cooperation

INNENTRA

EQUIPOS Y COMPONENTES INDUSTRIALES