



ARCTIC HEAT EXCHANGER PRODUCT RANGE

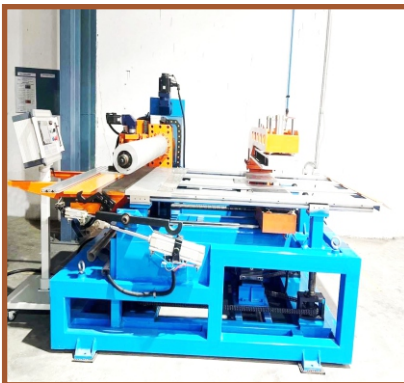
Our Manufacturing

Arctic has ISO certified manufacturing facility for manufacturing of heat exchangers such as cooling coils, condenser coils, indoor units and condensing units for various applications in HVACR industry

Our plant is based at Bhiwadi, Rajasthan, which is approx 65 Kms from New Delhi Airport and well connected to various ports in India.

We have complete automated manufacturing plant having Fin Die, Fin Press, Vertical Expander, Horizontal Expander, Hair Pin Bender, Coil Bender, Brazing Set-up, Leakage Testing Unit, Sheet Metal Process and other machines.

European coil design software and Stringent quality control ensures the best-in-class quality products customised as per your need.



ISO Certifications



ISO 9001:2015
Certified in
Quality management System



ISO 14001:2015
Certified in
Environmental Management System



ISO 45001:2018
Certified in
Health & safety Management System



Special Designed Indoor Units

- **CA Storage Units** - Special Indoor Units for CA Cold Storage to maintain High Humidity and High CFM inside the CA Rooms.
- **Potato Cold Storage Units** - Special Indoor Units for Potato Cold Storage to maintain High Humidity and regulated CFM inside the Rooms.
- **Low RH Units** - Specially built Low RH Units for Seed & Spices cold storage.
- **Ripening Chamber Units** - High Humidity & High CFM Units for Banana and other products Ripening.
- **Pre Cooling Units** - High Humidity & High CFM Units for Pre Cooling Applications.
- **Blast Room Units** - High CFM Units for Blast Applications.
- **Cubic Evaporators** for various cold storage applications.
- **Slim line indoor units** for processing rooms / low height cold room.
- **Indoor coils / Evaporator units** are available for capacity range from 1kw to 80kw suitable for temperature range from +45°C to -40°C.

Key Features of Coils

- High-Efficiency Coil design for optimal heat transfer using copper and aluminum with proper fin spacing to maximize Suitable Powerful surface area for heat exchange.
- Fan Systems design over the heat exchanger to enhance heat transfer and cooling efficiency.
- Durable Coil Construction - Built with materials that resist corrosion and wear, ensuring a long operational lifespan.
- Defrosting Options- Systems designed for low-temperature applications include electric or hot gas defrosting to prevent ice buildup on the coils.
- Adjustable Airflow- Customization of airflow can be done to enable precise temperature and CFM management.
- Space-Saving Designs - Compact evaporator units / Condenser coils are available for installations where space is limited.
- Corrosion Resistance- Evaporators / Condenser constructed with corrosion-resistant alloys and coatings, especially important in industrial settings with corrosive substances.
- Energy Efficient design minimizes energy consumption while maintaining high cooling performance.
- Ease of Maintenance - Simple designs and accessible components make maintenance and cleaning easier.
- Refrigerant Management- Heat Exchangers are designed to use refrigerants efficiently, minimizing operational costs and environmental impact.

Evaporator Units (Positive Temperature Application - 4mm Fin Spacing)

S. NO.	Model	Capacity (KW)*		Fans (1300-1400 rpm)				Unit Dimension (mm)		
		SST +5°C RT +15°C	SST -6°C RT +2°C	Air flow (m³/h)	Air throw (m)	Number of fan	Fan Dia. (Ø mm)	Length	Width	Height
1	AMT 3001-02	1.93	1.26	1850	10	1	300	750	520	485
2	AMT 3001-03	2.73	1.78	1850	10			750	520	485
3	AMT 3001-04	3.51	2.28	1850	9			750	520	485
4	AMT 3001-06	4.77	3.11	1850	9			750	520	485
5	AMT 3002-02	3.98	2.6	3700	10	2		1150	520	485
6	AMT 3002-03	5.67	3.7	3700	10			1150	520	485
7	AMT 3002-04	7.18	4.68	3700	9			1150	520	485
8	AMT 3002-06	9.48	6.2	3700	9			1150	520	485
9	AMT 3003-02	5.47	3.84	5550	10	3		1550	520	485
10	AMT 3003-03	8.51	5.55	5550	10			1550	520	485
11	AMT 3003-04	10.54	6.87	5550	9			1550	520	485
12	AMT 3003-06	14.67	9.57	5550	9			1550	520	485
13	AMT 4001-02	3.48	2.27	4000	13	1	400	850	520	585
14	AMT 4001-03	5.1	3.13	4000	13			850	520	585
15	AMT 4001-04	6.37	4.16	4000	12			850	520	585
16	AMT 4001-06	8.79	5.73	4000	12			850	520	585
17	AMT 4002-02	7.06	4.62	8000	13	2		1350	520	585
18	AMT 4002-03	10.12	6.62	8000	13			1350	520	585
19	AMT 4002-04	12.79	8.3	8000	12			1350	520	585
20	AMT 4002-06	18.62	12.08	8000	12			1350	520	585
21	AMT 4003-02	11.21	7.28	12000	13	3		1850	520	585
22	AMT 4003-03	15.58	10.1	12000	13			1850	520	585
23	AMT 4003-04	20.47	13.28	12000	12			1850	520	585
24	AMT 4003-06	26.18	16.95	12000	12			1850	520	585
25	AMT 4501-02	4.77	3.09	5500	14	1	450	900	520	685
26	AMT 4501-03	6.96	4.51	5500	14			900	520	685
27	AMT 4501-04	8.71	5.64	5500	13			900	520	685
28	AMT 4501-06	12.22	7.92	5500	13			900	520	685
29	AMT 4502-02	9.86	6.39	11000	14	2		1450	520	685
30	AMT 4502-03	14.17	9.19	11000	14			1450	520	685
31	AMT 4502-04	18.11	11.74	11000	13			1450	520	685
32	AMT 4502-06	24.99	16.22	11000	13			1450	520	685
33	AMT 4503-02	14.94	9.69	16500	14	3		2000	520	685
34	AMT 4503-03	21.26	13.79	16500	14			2000	520	685
35	AMT 4503-04	27.4	17.78	16500	13			2000	520	685
36	AMT 4503-06	37.79	24.53	16500	13			2000	520	685
37	AMT 5001-02	5.75	3.73	7400	16	1	500	950	520	685
38	AMT 5001-03	8.34	5.42	7400	16			950	520	685
39	AMT 5001-04	10.62	6.89	7400	15			950	520	685
40	AMT 5001-06	14.4	9.33	7400	15			950	520	685
41	AMT 5002-02	11.66	7.58	14800	16	2		1550	520	685
42	AMT 5002-03	16.79	10.91	14800	16			1550	520	685
43	AMT 5002-04	21.51	13.96	14800	15			1550	520	685
44	AMT 5002-06	29.67	19.24	14800	15			1550	520	685
45	AMT 5003-02	17.81	11.59	22200	16	3		2150	520	685
46	AMT 5003-03	25.66	16.68	22200	16			2150	520	685
47	AMT 5003-04	31.72	20.87	22200	15			2150	520	685
48	AMT 5003-06	44.96	29.18	22200	15			2150	520	685
49	AMT 6302-04	45.44	29.46	24840	18	2	630	2150	600	1100
50	AMT 6302-06	62.16	40.35	24840	18			2150	600	1100
51	AMT 6303-04	68.47	44.38	37260	18	3		3050	600	1100
52	AMT 6303-06	92.11	59.79	37260	18			3050	600	1100

- * Capacity considering Refrigerant R-404A.
- * SST - Standard Suction Temperature, RT - Room Temperature.
- * High RH / Low RH units available as per the requirement.
- * Contact us for capacity at other refrigerants.
- * Unit with higher Air throw is also available.

Evaporator Units (Low Temperature Application - 6mm Fin Spacing)

S. NO.	Model	Capacity (KW)*			Fans (1300-1400 rpm)				Defrost Heater		Unit Dimension (mm)		
		SST -18°C RT -10°C	SST -27°C RT -20°C	SST -32°C RT -25°C	Air flow (m³/h)	Air throw (m)	Number of fan	Fan Dia. (Ø mm)	Coil (Nos x Watt)	Drain Tray (Nos x Watt)	Length	Width	Height
1	ALT 3002-02	1.83	1.5	1.34	3700	10	2	300	2 X 500	2 X 500	1150	520	485
2	ALT 3002-03	2.61	2.21	1.95	3700	10			3 X 500	2 X 500	1150	520	485
3	ALT 3002-04	3.39	2.76	2.51	3700	9			4 X 500	2 X 500	1150	520	485
4	ALT 3002-06	4.74	3.81	3.51	3700	9			4 X 500	2 X 500	1150	520	485
5	ALT 3003-02	2.77	2.27	2.11	5550	10	3		2 X 750	2 X 750	1550	520	485
6	ALT 3003-03	3.95	3.18	2.81	5550	10			4 X 750	2 X 750	1550	520	485
7	ALT 3003-04	4.64	3.37	3.41	5550	9			5 X 750	2 X 750	1550	520	485
8	ALT 3003-06	7.05	5.66	5.39	5550	9			6 X 750	2 X 750	1550	520	485
9	ALT 4001-02	1.67	1.39	1.31	4000	13	1	400	3 X 300	2 X 300	850	520	585
10	ALT 4001-03	2.22	1.69	1.67	4000	13			5 X 300	2 X 300	850	520	585
11	ALT 4001-04	3.08	2.57	2.45	4000	12			6 X 300	2 X 300	850	520	585
12	ALT 4001-06	4.28	3.59	3.44	4000	12			7 X 300	2 X 300	850	520	585
13	ALT 4002-02	3.38	2.83	2.70	8000	13	2		3 X 550	2 X 550	1350	520	585
14	ALT 4002-03	4.86	4.09	3.90	8000	13			5 X 550	2 X 550	1350	520	585
15	ALT 4002-04	6.23	5.24	5.02	8000	12			6 X 550	2 X 550	1350	520	585
16	ALT 4002-06	8.73	7.21	6.87	8000	12			7 X 550	2 X 550	1350	520	585
17	ALT 4003-02	4.83	3.83	3.69	12000	13	3	3 X 800	2 X 800	1850	520	585	
18	ALT 4003-03	7.02	5.57	5.38	12000	13		5 X 800	2 X 800	1850	520	585	
19	ALT 4003-04	9.08	7.12	6.96	12000	12		6 X 800	2 X 800	1850	520	585	
20	ALT 4003-06	12.05	8.85	8.97	12000	12		7 X 800	2 X 800	1850	520	585	
21	ALT 4501-02	2.15	1.74	1.65	5500	14	1	450	3 X 350	2 X 350	900	520	685
22	ALT 4501-03	3.12	2.54	2.41	5500	14			5 X 350	2 X 350	900	520	685
23	ALT 4501-04	4.03	3.28	3.12	5500	13			6 X 350	2 X 350	900	520	685
24	ALT 4501-06	5.69	4.63	4.41	5500	13			8 X 350	2 X 350	900	520	685
25	ALT 4502-02	4.42	3.54	3.44	11000	14	2		3 X 700	2 X 700	1450	520	685
26	ALT 4502-03	6.41	5.25	5.01	11000	14			5 X 700	2 X 700	1450	520	685
27	ALT 4502-04	8.28	6.78	6.47	11000	13			6 X 700	2 X 700	1450	520	685
28	ALT 4502-06	11.68	9.54	9.12	11000	13			8 X 700	2 X 700	1450	520	685
29	ALT 4503-02	6.69	5.39	5.24	16500	14	3	3 X 1050	2 X 1050	2000	520	685	
30	ALT 4503-03	9.72	7.97	7.61	16500	14		5 X 1050	2 X 1050	2000	520	685	
31	ALT 4503-04	12.55	10.28	9.83	16500	13		6 X 1050	2 X 1050	2000	520	685	
32	ALT 4503-06	17.68	14.45	13.85	16500	13		8 X 1050	2 X 1050	2000	520	685	
33	ALT 5001-02	2.48	1.81	1.86	7400	16	1	500	3 X 350	2 X 350	950	520	685
34	ALT 5001-03	3.89	3.22	2.73	7400	16			5 X 350	2 X 350	950	520	685
35	ALT 5001-04	4.69	3.56	3.55	7400	15			6 X 350	2 X 350	950	520	685
36	ALT 5001-06	6.65	5.16	5.08	7400	15			8 X 350	2 X 350	950	520	685
37	ALT 5002-02	5.14	4.05	3.91	14800	16	2		3 X 700	2 X 700	1550	520	685
38	ALT 5002-03	7.47	5.92	5.72	14800	16			5 X 700	2 X 700	1550	520	685
39	ALT 5002-04	9.67	7.69	7.43	14800	15			6 X 700	2 X 700	1550	520	685
40	ALT 5002-06	13.75	10.81	10.59	14800	15			8 X 700	2 X 700	1550	520	685
41	ALT 5003-02	7.79	6.61	5.96	22200	16	3	3 X 1050	2 X 1050	2150	520	685	
42	ALT 5003-03	11.92	9.97	9.55	22200	16		5 X 1050	2 X 1050	2150	520	685	
43	ALT 5003-04	14.66	11.71	11.32	22200	15		6 X 1050	2 X 1050	2150	520	685	
44	ALT 5003-06	20.87	16.68	16.12	22200	15		8 X 1050	2 X 1050	2150	520	685	
45	ALT 6302-04	20.76	16.77	16.03	24840	18	2	630	8 X 1050	2 X 1050	2150	600	1100
46	ALT 6302-06	29.1	23.46	22.48	24840	18			10 X 1050	2 X 1050	2150	600	1100
47	ALT 6303-04	31.78	26.57	25.43	37260	18	3		8 X 1550	2 X 1550	3050	600	1100
48	ALT 6303-06	42.91	34.13	32.62	37260	18			10 X 1550	2 X 1550	3050	600	1100

* Capacity considering Refrigerant R-404A.

* SST - Standard Suction Temperature, RT - Room Temperature.

* Contact us for capacity at other refrigerants.

* Unit with higher Air throw is also available.

Evaporator Units (Low Temperature Application - 8mm Fin Spacing)

S. NO.	Model	Capacity (KW)*	Fans (1300-1400 rpm)				Defrost Heater		Unit Dimension (mm)		
		SST -42°C RT -35°C	Air flow (m³/h)	Air throw (m)	Number of fan	Fan Dia. (Ø mm)	Coil (Nos x Watt)	Drain Tray (Nos x Watt)	Length	Width	Height
1	AULT 4002-02	2.33	8000	13	2	400	3 X 550	2 X 550	1350	520	585
2	AULT 4002-03	3.39	8000	13			5 X 550	2 X 550	1350	520	585
3	AULT 4002-04	4.4	8000	12			6 X 550	2 X 550	1350	520	585
4	AULT 4002-06	6.06	8000	12			7 X 550	2 X 550	1350	520	585
5	AULT 4003-02	3.17	12000	13	3		3 X 800	2 X 800	1850	520	585
6	AULT 4003-03	4.64	12000	13			5 X 800	2 X 800	1850	520	585
7	AULT 4003-04	6.04	12000	12			6 X 800	2 X 800	1850	520	585
8	AULT 4003-06	7.85	12000	12			7 X 800	2 X 800	1850	520	585
9	AULT 4502-02	2.96	11000	14	2	450	3 X 700	2 X 700	1450	520	685
10	AULT 4502-03	4.33	11000	14			5 X 700	2 X 700	1450	520	685
11	AULT 4502-04	5.62	11000	13			6 X 700	2 X 700	1450	520	685
12	AULT 4502-06	8.02	11000	13			8 X 700	2 X 700	1450	520	685
13	AULT 4503-02	4.5	16500	14	3		3 X 1050	2 X 1050	2000	520	685
14	AULT 4503-03	6.57	16500	14			5 X 1050	2 X 1050	2000	520	685
15	AULT 4503-04	8.54	16500	13			6 X 1050	2 X 1050	2000	520	685
16	AULT 4503-06	12.17	16500	13			8 X 1050	2 X 1050	2000	520	685
17	AULT 5002-02	3.36	14800	16	2	500	3 X 700	2 X 700	1550	520	685
18	AULT 5002-03	4.94	14800	16			5 X 700	2 X 700	1550	520	685
19	AULT 5002-04	6.45	14800	15			6 X 700	2 X 700	1550	520	685
20	AULT 5002-06	9.28	14800	15			8 X 700	2 X 700	1550	520	685
21	AULT 5003-02	5.12	22200	16	3		3 X 1050	2 X 1050	2150	520	685
22	AULT 5003-03	8.27	22200	16			5 X 1050	2 X 1050	2150	520	685
23	AULT 5003-04	9.82	22200	15			6 X 1050	2 X 1050	2150	520	685
24	AULT 5003-06	14.12	22200	15			8 X 1050	2 X 1050	2150	520	685
25	AULT 6302-04	13.92	24840	18	2	630	8 X 1050	2 X 1050	2150	600	1100
26	AULT 6302-06	19.76	24840	18			10 X 1050	2 X 1050	2150	600	1100
27	AULT 6303-04	22.21	37260	18	3		8 X 1550	2 X 1550	3050	600	1100
28	AULT 6303-06	28.62	37260	18			10 X 1550	2 X 1550	3050	600	1100
29	AULT 7103-04	26.25	45360	19	710	8 X 1650	2 X 1650	3200	650	1200	
30	AULT 7103-06	33.11	45360	19		10 X 1650	2 X 1650	3200	650	1200	

- * Capacity considering Refrigerant R-404A.
- * SST - Standard Suction Temperature, RT - Room Temperature.
- * Contact us for capacity at other refrigerants.
- * Unit with higher Air throw is also available.



Air Cooled Condensers

- Condenser coils suitable for capacity range from 1 KW to 250 KW.
- High Ambient Condensing Unit available.
- Blue Fin (coated) Condensers available as option.

S. NO.	Model	Capacity (KW)*	Fans (1300-1400 rpm)		
		CT 53°C AT 38°C	Air flow (m³/h)	Number of fan	Fan Dia. (Ø mm)
1	ARC 20 - 102	1.19	450	1	200
2	ARC 20 - 202	2.21	900	2	
3	ARC 25 - 102	1.85	950	1	250
4	ARC 25 - 104	2.82	950		
5	ARC 25 - 202	4.21	1900	2	
6	ARC 25 - 204	6.32	1900		
7	ARC 30 - 102	3.3	1850	1	300
8	ARC 30 - 104	5.19	1850		
9	ARC 30 - 202	6.6	3700	2	
10	ARC 30 - 204	10.38	3700		
11	ARC 40 - 102	5.86	4000	1	400
12	ARC 40 - 104	9.54	4000		
13	ARC 40 - 106	12.45	4000		
14	ARC 40 - 202	12.6	8000	2	
15	ARC 40 - 204	21.04	8000		
16	ARC 40 - 206	26.16	8000		
17	ARC 45 - 102	7.6	5500	1	450
18	ARC 45 - 104	13.79	5500		
19	ARC 45 - 106	17.24	5500		
20	ARC 45 - 202	16.98	11000	2	
21	ARC 45 - 204	28.91	11000		
22	ARC 45 - 206	36.02	11000		
23	ARC 50 - 102	9.57	7400	1	500
24	ARC 50 - 104	17.49	7400		
25	ARC 50 - 106	22.16	7400		
26	ARC 50 - 202	19.14	14800	2	
27	ARC 50 - 204	35.05	14800		
28	ARC 50 - 206	44.39	14800		
29	ARC 50 - 304	63.991	22200	3	
30	ARC 50 - 306	80.887	22200		
31	ARC 50 - 404	97.112	29600	4	
32	ARC 50 - 406	116.929	29600		
33	ARC 63 - 104	35.42	12420	1	630
34	ARC 63 - 106	44.9	12420		
35	ARC 63 - 204	67.47	24840	2	
36	ARC 63 - 206	87.14	24840		
37	ARC 63 - 304	111.29	37260	3	
38	ARC 63 - 306	139.746	37260		
39	ARC 63 - 404	144.764	49680	4	
40	ARC 63 - 406	182.251	49680		



- * Capacity considering Refrigerant R-404A.
- * CT - Condensing Temperature, AT - Ambient Temperature.
- * Higher Capacity condensers also available as per the requirement.
- * Contact us for capacity at other refrigerants.



Arctic Refrigeration Pvt. Ltd.

Registered office.: 1159, 11th Floor, Tower B-1,
Spaze I Tech Park, Sohna Road, Gurgaon-122001,
Haryana, India.

Manufacturing Address.: F-233 & F-234, Industrial
Area IID Center, Khushkhhera, Bhiwadi, Alwar,
Rajasthan-301707, India.

For enquiry, please contact us at

☎ +91-124-4505850

✉ info@arcticsystems.in

🌐 www.arcticrefrigerations.com

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