



Best Regards

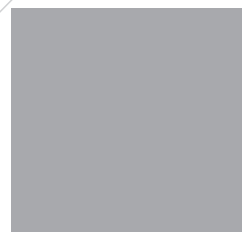
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www.cold-solution.com



REFRIGERATION Project SOLUTION

Green Refrigeration, Care For Health of Human

**HN3, CO2, R410, R404, R507, R134A, R22
220v-440V, 1ph, 3ph, 50hz, 60hz For choice**



Hengchang Refrigeration and Heating Materials Limited

ABOUT US



AMCOOL,which factory located in Nantong city(near Shanghai), is specialized in research and production of cold room, refrigeration equipment, condensing units, air cooler, compressor, etc. ,

Our products have been sold to Europe, Southeast Asia, Middle-east, South America, East Africa etc with good reputation.

Our company is a member of China Refrigeration .Ins-titute; it takes the lead in acquiring ISO9001 quality system certification and the Manufacture License of S-pecial Equipment.

Our main products include: Cold room PU panels, doors, Air-cooled and water cooled condensing unit with Bitzer/ Copeland/Danfoss/Refcom/Maneurop/Tecumseh/Hanbell Screw compressor, Standard evaporator and industrial evaporator.,Flack ice machine and block ice machine and tube ice machine .

To provide customers with complete solution and win-win cooperation are our AMCOOL eternal goal!

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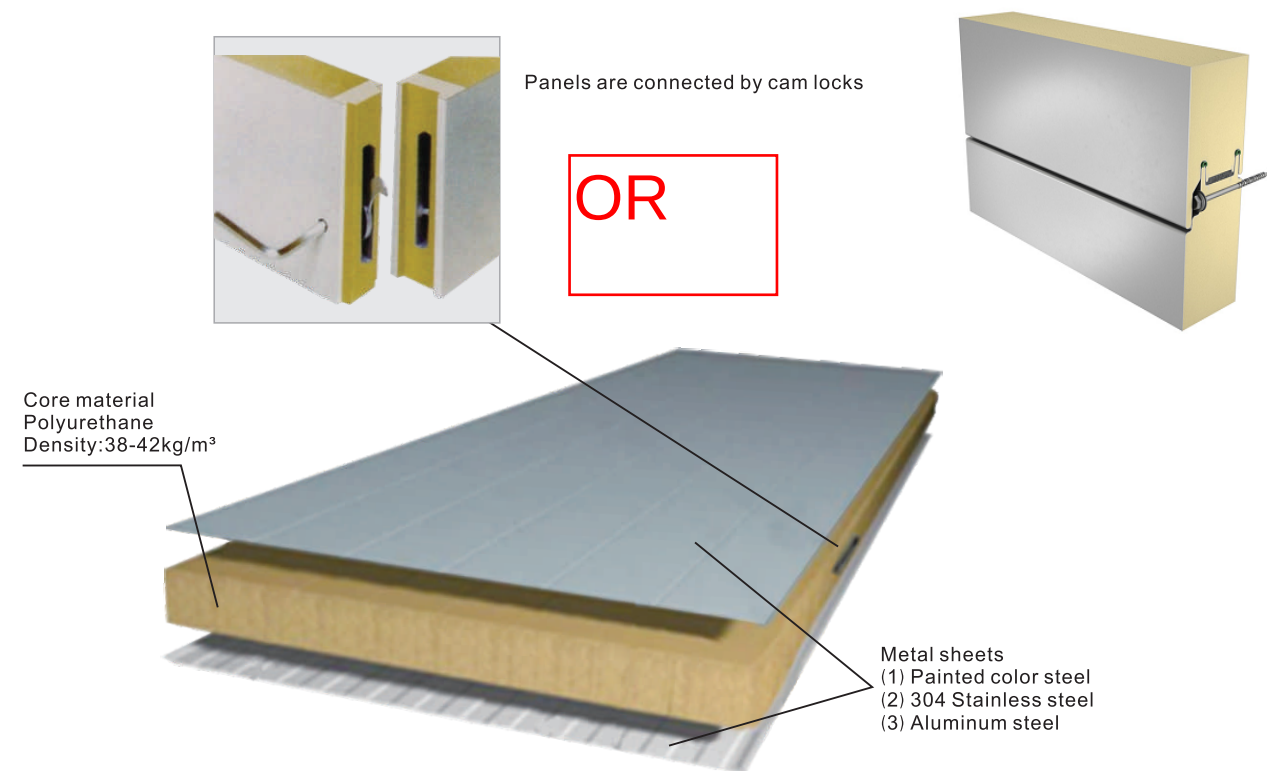
Model of units 03

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Model of units 03

1. Panels
- 2.cold room
- 3.NH3/CO2 Ceiling Air cooler
4. Standard Air cooler
- 5.

Panel



Material

Polyurethane Foam Sandwich Panels, the external and inner panels cover is of zinc-coated steel sheet with a plastic finish. the heat insulation is of rigid foam polyurethane.

Specifications

Panel Available Thickness: 50mm. 75mm. 100mm. 120mm. 150mm.180mm&200mm

Panel Available Width: 500–1200mm Both Surface of Panels: to be plating 0.326mm 0.4mm. 0.5mm or 0.6mm

Thickness Pre-painted hotgalvanized Steel Sheet coated with 200 micron PVC. (Other surface choice: 304 stainless steel or Aluminum Plate etc)

Installations

Panels Connect Method: Dry-joint System with Cam Lock. between two panels are male and female. the floor panels are reinforced and they withstand distributed load up to 2000kg/SQ meters. also the coldroom should be installed in a sheltered place away from direct sunshine. dust and rain.

Others

Regular Steel Sheet Color Code: RAL 9002(Grey White)

PU Material Origin: Germany Japan or Korea

Density: $40 \pm 2 \text{ kg/m}^3$

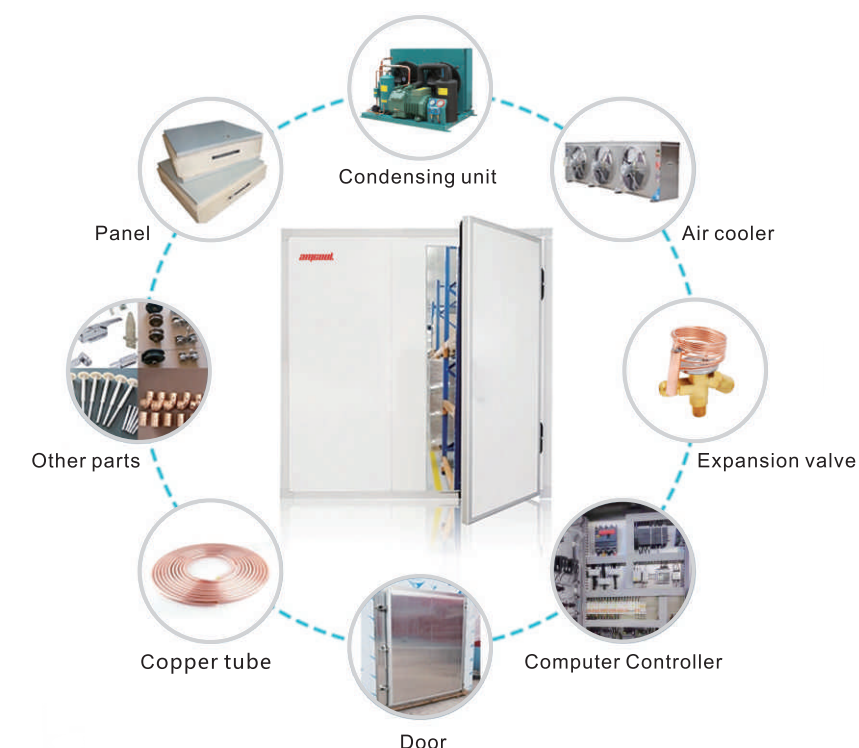
Heat Transfer Quotient: $< 1\%$ ($-30^\circ\text{C} - 100^\circ\text{C}/96\text{h}$)

Safety: $< 3\%$

Fire Rating: B1 or B2

According to the cold temperature divided into following four categories

- High temperature cold storage (HBP) $-2^\circ\text{C} \sim +8^\circ\text{C}$
- Middle temperature Cold storage (MBP) $-10^\circ\text{C} \sim -23^\circ\text{C}$
- Low temperature cold storage (LBP) $-23^\circ\text{C} \sim -30^\circ\text{C}$
- Super low temperature usually $-30^\circ\text{C} \sim -80^\circ\text{C}$



Reference value

HBP: 1HP cooling $10 \sim 15\text{m}^3$ or 16mm^2

MBP: 1HP cooling $8 \sim 10\text{m}^3$ or 12m^2

LBP: 1HP cooling $4 \sim 6\text{m}^3$ or 8m^2

HBP: 1) Cooling capacity = Vol. $\times 90 \times 1.16$ + Tolerance 100~400W

2) Evap. area = Cooling capacity $\times 1.1$

MBP: 1) Cooling capacity = Vol. $\times 95 \times 1.16$ + Tolerance 200~600W

2) Evap. area = Cooling capacity $\times 1.3 \sim 1.5$

Tube = Cooling capacity $\times 1.1 \sim 1.5$

LBP: 1) Cooling capacity = Vol. 110×1.2 + Tolerance 300~800W

2) Evap. area = Cooling capacity / 900~100w

Tube = Cold room area $\times 4 \sim 5$

Middel Tmperature(100mm panel)

Vol.(m³)	Semi-hermetic	Hermetic
10/18	3HP	3/4HP
20/30	4HP	5HP
40/50	5HP	6.5HP
60/80	8HP	10HP
90/100	10HP	15HP
130/150	15HP	20HP
200	20HP	25HP
400	35HP	40HP
600	50HP	60HP
800	60HP	70HP

High Temperature(150mm panel)

Vol.(m³)	Semi-hermetic	Hermetic
10/18	3HP	3HP
20/30	3HP	4HP
40/50	4HP	5HP
60/80	5HP	6.5HP
90/150	8HP	10HP
200	10HP	15HP
400	20HP	25HP
600	30HP	35HP
800	40HP	45HP

Door selection

Standard Swing door

No.	material	thickness	Standard dimension	Part
1	Color steel, stainless steel or embossed aluminum	PU=100mm Or 150mm	700W × 1700Hmm	1.Hinge 2.Locks 3.Electric heating wire
2		PU=100mm Or 150mm	800W × 1800Hmm	
3		PU=100mm Or 150mm	900W × 1900Hmm	
4		PU=100mm Or 150mm	1000W × 2000Hmm	
5		PU=100mm Or 150mm	1200W × 2000Hmm	

Manual Sliding door

Part model	Door frame size (mm)	Door size (mm)
MS900 × 1900	1040 × 2040	900 × 1900
MS1040 × 1900	1180 × 2040	1040 × 1900
MS1200 × 2000	1340 × 2140	1200 × 2000
MS1500 × 2000	1640 × 2140	1500 × 2000



Automatically sliding door

Part model	Door frame size (mm)	Door size (mm)
MS900 × 1900	1040 × 2040	900 × 1900
MS1040 × 1900	1180 × 2040	1040 × 1900
MS1200 × 2000	1340 × 2140	1200 × 2000
MS1500 × 2000	1640 × 2140	1500 × 2000



To be adjusted as per specific requirement
 Heating insulation material: polyurethane(thickness 100mm)
 Surface material: PGI steel or 304 stainless steel



Cold Room



Cold room selection sheet

Walk-in Chiller (0℃ ~ 5℃)

Keep freshness Cold room, Double Colored steel sheet PU panels. 100mm Thickness

Room Volume (CBM)	Outside dimension (mm)	Semi Hermetic Unit	Full Hermetic Unit	Evaporator
15	L3000 × W2000 × H2500	2HP	3HP	DL-15
30	L4000 × W3000 × H2500	3HP	4HP	DL-25
50	L5000 × W4000 × H2500	4HP	5HP	DL-55
100	L6000 × W5000 × H3300	7HP	8HP	DL-105
200	L10000 × W6000 × H3300	12HP	13HP	DL-160
500	L20000 × W7000 × H3500	20HP	12HP × 2	2 × DL-125

Walk-in Freezer (-18℃ ~ 0℃)

Refrigeration Cold room, Double Colored steel sheet PU panels. 100~150mm Thickness

Room Volume (CBM)	Outside dimension (mm)	Semi Hermetic Unit	Full Hermetic Unit	Evaporator
15	L3000 × W2000 × H2500	3HP	4HP	DD-22
30	L4000 × W3000 × H2500	5HP	6HP	DD-40
50	L5000 × W4000 × H2500	7HP	8HP	DD-60
100	L6000 × W5000 × H3300	12HP	13HP	DD-120
200	L10000 × W6000 × H3300	25HP	13HP × 2	2 × DD-120
500	L20000 × W7000 × H3500	40HP	12HP × 4	4 × DD-120

Deep Freezer (-18℃ ~ -25℃)

Keep freshness Cold room, Double Colored steel sheet PU panels. 150~180mm Thickness

Room Volume (CBM)	Outside dimension (mm)	Semi Hermetic Unit	Full Hermetic Unit	Evaporator
15	L3000 × W2000 × H2500	5HP	5HP	DJ-20
27	L3000 × W3000 × H3000	7HP	7HP	DJ-40
40	L4000 × W4000 × H2500	10HP	5HP × 2	DJ-55
60	L5000 × W4000 × H3000	15HP	7HP × 2	DJ-85
100	L6000 × W5000 × H3300	20HP	7HP × 3	DJ-100

Panel Factory



Ceiling Unit Cooler Factory



Ceiling Unit Cooler Production Flow



Ceiling Unit Cooler

NH3 , CO2

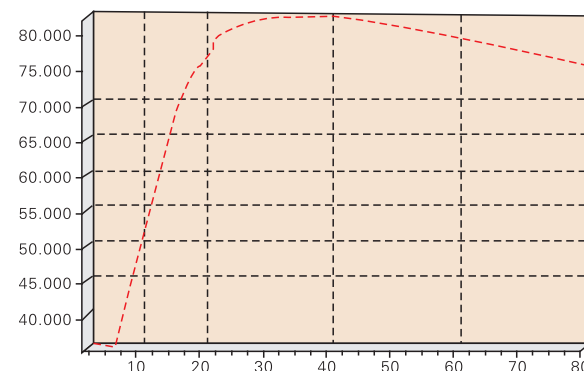


Applicaton

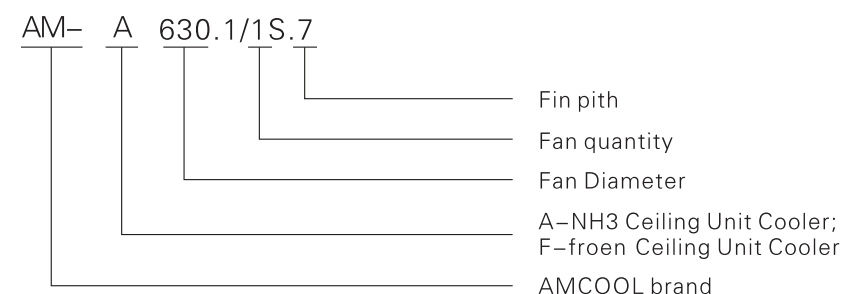
AM series air cooler is used for large, medium and small cold rooms (such as IQF, frozen food, fresh storage). AM-A ammonia series is suitable for refrigerant R717, cold room temperature is $-40^{\circ}\text{C} \sim +5^{\circ}\text{C}$, AM-F fluorine series is suitable for refrigerant R134a, R404A, R410A, R507, R22, cold room temperature $-40^{\circ}\text{C} \sim +20^{\circ}\text{C}$.

Feature

- Structures and covers of Unit Cooler are designed by our 3D software Using this software we design your customized air cooler parametrical.
- Our advanced coil software can simulate your running heating conditions We can optimized the coil tubes to get best cooling capacity.
- We can provide CAD drawings and reliable data of your customized products.
- Using maintenance door, checking and maintenance will be easier.
- Support feet are considered which can provide convenience of installing and carrying also you can using these feet as installing supports.
- Normal casing material is galvanized steel, powercoated white RAL9018 Other option: Aluminum or stainless steel.



Model description



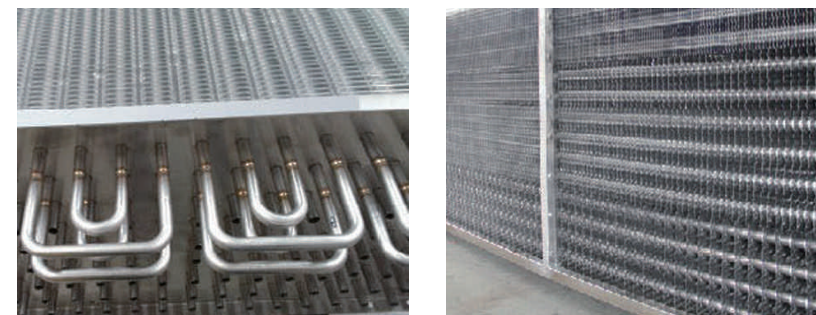
去掉F,加上CO2

Ceiling Unit Cooler



Guarantee of Safe Running

- Stainless steel Pipe running pressure to 5.0Mpa, Blasting pressure to 50Mpa.
- Nitrogen pressure testing 3.0Mpa which keeping 24 hours Eddy current testing provide good quality of stainless steel tube.
- TIG welding process of bend is fully automatic which can guarantee high strength and good appearance.
- Float-Coil Tech which can float tubes in the centre of plate holes Avoiding direct friction between tubes and plates which may causing leakage of tubes in process of running and transport.



Coil BlockA

- $\Phi 16\text{mm}$ Copper tube or stainless steel tube (304 or 316L).
- High efficiency sine wave fin.
- Fin material: 8011, Almg3, 304(316L), Coated.
- Fin Pitch: 4.5mm, 7mm, 10mm, 12mm.
- Other fin pitches can be customized by user.

Rapid Defrosting Syetem

- Electrical defrosting- stainless steel heating pipe, installed in fan coil and water pan
- Water defrosting- water tray spraying
- Hot gas defrosting- hot gas pipe set in tray, energy saving and high efficiency, help oil return to compressor
- Combine different defrosting ways together



Fan system

- Extended air throw streamer, air throw can reach to 70m.
- Motor protection class IP54, Insulation grade ,F
- Duct axial fan blades are made of casting aluminum,
- Motor application temperature: $-45^{\circ}\text{C} \sim +50^{\circ}\text{C}$.
- Lower noise fan is possible for special application conditions.
- Motor power will be changed with the change of air temperature and resistance,

Technical parameters of AM-A Ceiling Unit Cooler

AM-A Series		7mm Fin Pitch				Application To 20~-20℃							
Model of units	Notmal Capacfty NH3	Exchange Surface	Tube Volume	Air Flow	Air Throw	Fans 50Hz			Electrical Defrosting		Refrigerant Connectionm		
	DT=10K Te= -30℃					Fan Diameter	Wotor Power	Voltage	Coil Power	Voltage	Inlet pipe	Outlet pipe	Hot Gas Inlet
	KW					m²	L	m³/h	m	Φmm	KW	V	W
AM-A630.1/1FI.7	15.4	68	17.4	10200	22	630	0.94	380/3/50	8160	380/3/50	25	45	32
AM-A630.1/1S.7	17.8	82	20.9	10000	22	630	0.94	380/3/50	9840	380/3/50	25	45	32
AM-A630.1/1E.7	20.6	109	27.9	9000	20	630	0.94	380/3/50	13080	380/3/50	25	45	32
AM-A710.1/1FI.7	22.0	100	25.4	15000	25	710	1.8	380/3/50	12000	380/3/50	25	45	32
AM-A710.1/1S.7	25.1	119	30.5	14600	25	710	1.8	380/3/50	14280	380/3/50	25	45	32
AM-A710.1/1E.7	30.5	158	40.6	14200	25	710	1.8	380/3/50	18960	380/3/50	32	57	32
AM-A900.1/1FI.7	34.4	136	34.8	20000	30	900	2.0	380/3/50	16320	380/3/50	32	57	32
AM-A900.1/1S.7	41.6	163	41.8	19800	30	900	2.0	380/3/50	19560	380/3/50	32	57	32
AM-A900.1/1E.7	41.6	217	55.7	19000	28	900	2.0	380/3/50	26040	380/3/50	32	57	32
AM-A630.1/2FI.7	30.8	136	34.8	20400	25	630	1.88	380/3/50	16320	380/3/50	32	57	32
AM-A630.1/2S.7	35.3	164	41.8	20000	25	630	1.88	380/3/50	19680	380/3/50	32	57	32
AM-A630.1/2E.7	40.8	218	55.8	18000	22	630	1.88	380/3/50	26160	380/3/50	32	57	32
AM-A710.1/2FI.7	44.4	198	50.8	30000	27	710	3.6	380/3/50	23760	380/3/50	32	57	32
AM-A710.1/2S.7	50.6	238	61.0	29200	27	710	3.6	380/3/50	28560	380/3/50	38	76	38
AM-A710.1/2E.7	61.4	316	81.2	28400	27	710	3.6	380/3/50	37920	380/3/50	38	76	38
AM-A900.1/2FI.7	61.0	272	69.6	40000	32	900	4.0	380/3/50	32640	380/3/50	38	76	38
AM-A900.1/2S.7	70.3	326	83.6	39600	32	900	4.0	380/3/50	39120	380/3/50	38	76	38
AM-A900.1/2E.7	84.4	434	111.4	38000	32	900	4.0	380/3/50	52080	380/3/50	38	76	38
AM-A630.1/3FI.7	45.7	205	52.2	30600	27	630	2.82	380/3/50	24600	380/3/50	38	76	38
AM-A630.1/3S.7	53.3	246	62.7	30000	27	630	2.82	380/3/50	29520	380/3/50	38	76	38
AM-A630.1/3E.7	61.8	327	83.7	27000	25	630	2.82	380/3/50	39240	380/3/50	38	76	38
AM-A710.1/3FI.7	78.5	298	76.2	45000	29	710	5.4	380/3/50	35760	380/3/50	38	76	38
AM-A710.1/3S.7	78.1	357	91.5	43800	29	710	5.4	380/3/50	42840	380/3/50	38	76	38
AM-A710.1/3E.7	94.0	474	121.8	42600	29	710	5.4	380/3/50	56880	380/3/50	38	76	38
AM-A900.1/3FI.7	92.3	407	104.0	60000	35	900	6.0	380/3/50	48840	380/3/50	38	76	38
AM-A900.1/3S.7	106.2	489	125.4	59400	35	900	6.0	380/3/50	58680	380/3/50	45	89	38
AM-A900.1/3E.7	127.7	651	167.1	57000	35	900	6.0	380/3/50	78120	380/3/50	45	89	38

- Note:
- DT(the difference between the air inlet temperature and the evaporatingtemperature).
 - The capacity of unit cooler is calculated with Nh3.
 - Pump operation, recirculation ratio 3: 1.
 - Other running condition, please contract our company.

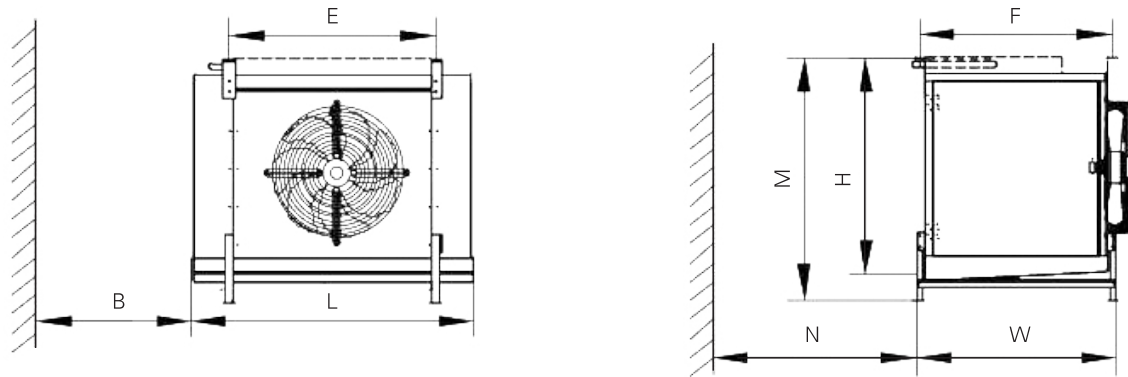
Technical parameters of AM-F Ceiling Unit Cooler

AM-F Series			7mm Fin Pitch				Application To 20~-20℃							
Model of units	Notmal Capacfty NH3		Exchange Surface	Tube Volume	Air Flow	Air Throw	Fans 50Hz			Electrical Defrosting		Refrigerant Connexion		
	DT=8K-SC2 Te=-8℃	DT=7K-SC3 Te=-25℃					Fan Diameter	Wotor Power	Voltage	Coil Power	Voltage	Inlet pipe	Outlet pipe	Hot Gas Inlet
	kW						m²	L	m³/h	m	Φmm	kW	V	W
AM-F500.1/1S.7	8.7	6.7	54	13.7	6500	15	500	0.55	380/3/50	5400	380/3/50	16	28	16
AM-F500.1/1E.7	10.7	8.1	71	18.3	6200	14	500	0.55	380/3/50	7100	380/3/50	16	28	16
AM-F600.1/1S.7	11.6	9.3	75	19.2	8500	18	600	0.84	380/3/50	7500	380/3/50	16	28	16
AM-F600.1/1E.7	14.1	11.1	100	25.5	8200	16	600	0.84	380/3/50	10000	380/3/50	16	28	16
AM-F630.1/1S.7	13.2	10.7	82	20.9	10000	22	630	0.94	380/3/50	8200	380/3/50	16	28	16
AM-F630.1/1E.7	16.3	12.8	109	27.9	9000	20	630	0.94	380/3/50	10900	380/3/50	16	35	16
AM-F710.1/1S.7	19.5	14.6	119	30.5	14600	25	710	1.8	380/3/50	11900	380/3/50	22	42	16
AM-F710.1/1E.7	24.2	18.9	158	40.6	14200	25	710	1.8	380/3/50	15800	380/3/50	22	42	16
AM-F900.1/1S.7	26.4	21.3	163	41.8	19800	30	900	2.0	380/3/50	16300	380/3/50	22	42	16
AM-F900.1/1E.7	32.4	25.5	217	55.7	19000	28	900	2.0	380/3/50	21700	380/3/50	28	54	16
AM-F500.1/2S.7	17.5	13.9	108	27.4	13000	17	500	1.1	380/3/50	10800	380/3/50	16	35	16
AM-F500.1/2E.7	21.6	16.4	142	36.6	12400	16	500	1.1	380/3/50	14200	380/3/50	22	42	16
AM-F600.1/2S.7	24.0	18.2	150	38.4	17000	20	600	1.68	380/3/50	15000	380/3/50	22	42	16
AM-F600.1/2E.7	28.9	22.9	200	51.0	16400	18	600	1.68	380/3/50	20000	380/3/50	22	42	16
AM-F630.1/2S.7	26.9	21.5	164	41.8	20000	25	630	1.88	380/3/50	16400	380/3/50	22	42	16
AM-F630.1/2E.7	31.6	24.9	218	55.8	18000	22	630	1.88	380/3/50	21800	380/3/50	22	42	16
AM-F710.1/2S.7	39.3	31.1	238	61.0	29200	27	710	3.6	380/3/50	23800	380/3/50	28	54	16
AM-F710.1/2E.7	48.7	38.1	316	81.2	28400	27	710	3.6	380/3/50	31600	380/3/50	28	64	16
AM-F900.1/2S.7	53.0	43.0	326	83.6	39600	32	900	4.0	380/3/50	32600	380/3/50	28	64	28
AM-F900.1/2E.7	66.4	50.5	434	111.4	38000	32	900	4.0	380/3/50	43400	380/3/50	2×28	2×54	28
AM-F500.1/3S.7	25.1	20.5	162	41.1	19500	18	500	1.65	380/3/50	16200	380/3/50	22	42	22
AM-F500.1/3E.7	32.3	25.3	213	54.9	18600	18	500	1.65	380/3/50	21300	380/3/50	22	42	22
AM-F600.1/3S.7	35.5	28.5	225	57.6	25500	22	600	2.52	380/3/50	22500	380/3/50	28	54	22
AM-F600.1/3E.7	44.3	33.5	300	76.5	24600	20	600	2.52	380/3/50	30000	380/3/50	28	64	22
AM-F630.1/3S.7	40.4	32.1	246	62.7	30000	27	630	2.82	380/3/50	24600	380/3/50	28	64	22
AM-F630.1/3E.7	48.4	36.0	327	83.7	27000	25	630	2.82	380/3/50	32700	380/3/50	28	64	22
AM-F710.1/3S.7	59.4	45.9	357	91.5	43800	29	710	5.4	380/3/50	35700	380/3/50	28	64	22
AM-F710.1/3E.7	69.5	55.8	474	121.8	42600	29	710	5.4	380/3/50	47400	380/3/50	2×28	2×54	28
AM-F900.1/3S.7	80.9	60.5	489	125.4	59400	35	900	6.0	380/3/50	48900	380/3/50	2×28	2×54	28
AM-F900.1/3E.7	97.6	77.2	651	167.1	57000	35	900	6.0	380/3/50	65100	380/3/50	2×28	2×64	35
AM-F500.1/4S.7	35.2	28.0	216	54.8	26000	21	500	2.2	380/3/50	21600	380/3/50	28	54	22
AM-F500.1/4E.7	43.3	32.2	284	73.2	24800	21	500	2.2	380/3/50	28400	380/3/50	28	64	22
AM-F600.1/4S.7	48.2	36.7	300	76.8	34000	23	600	3.36	380/3/50	30000	380/3/50	28	64	22
AM-F600.1/4E.7	57.5	40.8	400	102.0	32800	22	600	3.36	380/3/50	40000	380/3/50	28	64	22
AM-F630.1/4S.7	54.1	40.5	328	83.6	40000	28	630	3.76	380/3/50	32800	380/3/50	28	64	22
AM-F630.1/4E.7	63.4	50.0	436	111.6	36000	26	630	3.76	380/3/50	43600	380/3/50	2×28	2×54	28
AM-F710.1/4S.7	78.9	62.4	476	122.0	58400	30	710	7.2	380/3/50	47600	380/3/50	2×28	2×54	35
AM-F710.1/4E.7	97.6	76.4	632	162.4	56800	30	710	7.2	380/3/50	63200	380/3/50	2×28	2×64	35

- Note:
- DT(the difference between the air inlet temperature and the evaporatingtemperature)
 - The capacity of unit cooler is calculated with R404A
 - SC2 condition: DT=8K, Evaporating temperature -8C, room temperature 0 C, Rh85%
 - SC1 condition: DT=7K, Evaporating temperature -25 C, room temperature -18C, Rh95%
 - Direct expanding operation

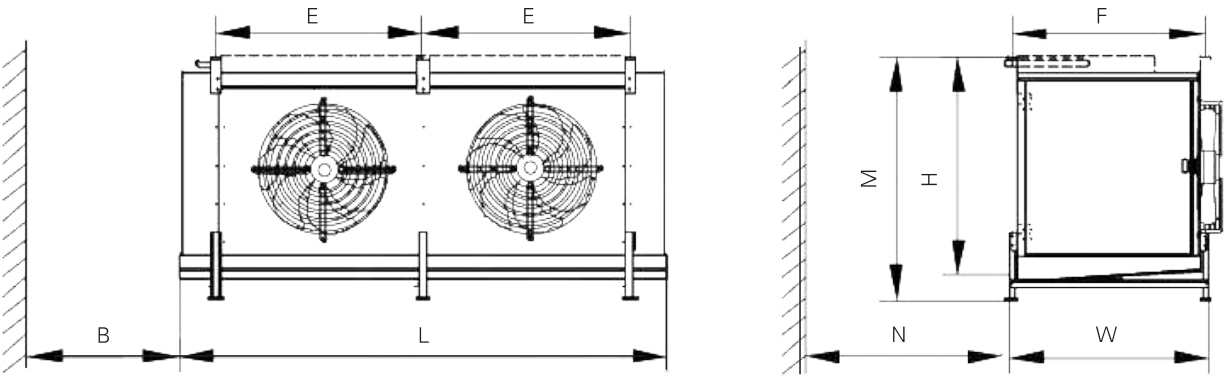
Dimensional parameters of Ceiling Unit Cooler

Model of units	Dimensions(mm)									FAN quantiny
	A	E	L	F	H	W	M	B	N	
500.1/1F.7	900	900	1294	623	745	593	960	400	600	1
500.1/1Fl.7	900	900	1294	673	745	643	960	400	600	1
500.1/1S.7	900	900	1294	723	745	693	960	400	600	1
500.1/1E.7	900	900	1294	823	745	793	960	400	600	1
600.1/1F.7	1100	1100	1494	673	845	643	1060	400	600	1
600.1/1Fl.7	1100	1100	1494	723	845	693	1060	400	600	1
600.1/1S.7	1100	1100	1494	773	845	743	1060	400	600	1
600.1/1E.7	1100	1100	1494	873	845	843	1060	400	600	1
630.1/1F.7	1200	1200	1594	673	845	643	1060	400	600	1
630.1/1Fl.7	1200	1200	1594	723	845	693	1060	400	600	1
630.1/1S.7	1200	1200	1594	773	845	743	1060	400	600	1
630.1/1E.7	1200	1200	1594	873	845	843	1060	400	600	1
710.1/1F.7	1400	1400	1794	773	1045	743	1260	400	600	1
710.1/1Fl.7	1400	1400	1794	823	1045	793	1260	400	600	1
710.1/1S.7	1400	1400	1794	873	1045	843	1260	400	600	1
710.1/1E.7	1400	1400	1794	973	1045	943	1260	400	600	1
900.1/1F.7	1600	1600	1994	773	1245	743	1460	400	600	1
900.1/1Fl.7	1600	1600	1994	823	1245	793	1460	400	600	1
900.1/1S.7	1600	1600	1994	873	1245	843	1460	400	600	1
900.1/1E.7	1600	1600	1994	973	1245	943	1460	400	600	1



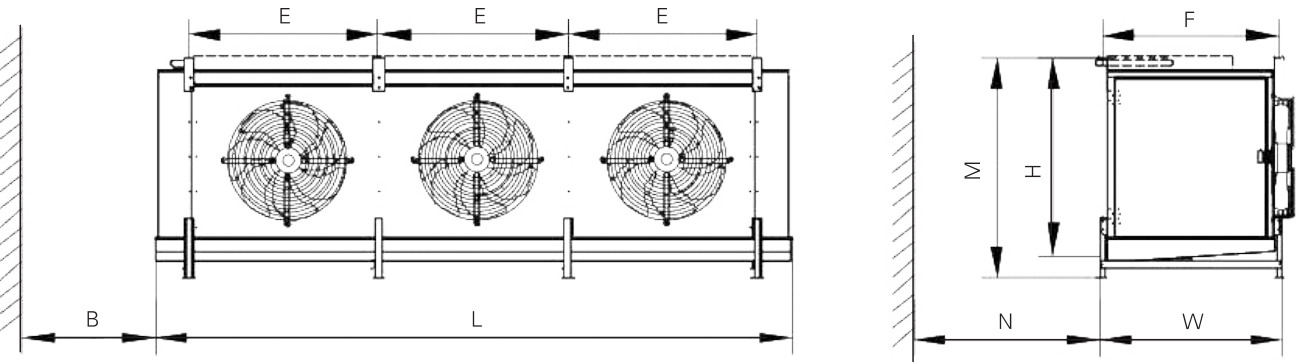
Dimensional parameters of Ceiling Unit Cooler

Model of units	Dimensions(mm)									FAN quantiny
	A	E	L	F	H	W	M	B	N	
500.1/2F.7	1800	900	2194	623	745	593	960	450	1000	2
500.1/2Fl.7	1800	900	2194	673	745	643	960	450	1000	2
500.1/2S.7	1800	900	2194	723	745	693	960	450	1000	2
500.1/2E.7	1800	900	2194	823	745	793	960	450	1000	2
600.1/2F.7	2200	1100	2594	673	845	643	1060	450	1000	2
600.1/2Fl.7	2200	1100	2594	723	845	693	1060	450	1000	2
600.1/2S.7	2200	1100	2594	773	845	743	1060	450	1000	2
600.1/2E.7	2200	1100	2594	873	845	843	1060	450	1000	2
630.1/2F.7	2400	1200	2794	673	845	643	1060	450	1000	2
630.1/2Fl.7	2400	1200	2794	723	845	693	1060	450	1000	2
630.1/2S.7	2400	1200	2794	773	845	743	1060	450	1000	2
630.1/2E.7	2400	1200	2794	873	845	843	1060	450	1000	2
710.1/2F.7	2800	1400	3194	773	1045	743	1260	450	1000	2
710.1/2Fl.7	2800	1400	3194	823	1045	793	1260	450	1000	2
710.1/2S.7	2800	1400	3194	873	1045	843	1260	450	1000	2
710.1/2E.7	2800	1400	3194	973	1045	943	1260	450	1000	2
900.1/2F.7	3200	1600	3594	773	1245	743	1460	450	1000	2
900.1/2Fl.7	3200	1600	3594	823	1245	793	1460	450	1000	2
900.1/2S.7	3200	1600	3594	873	1245	843	1460	450	1000	2
900.1/2E.7	3200	1600	3594	973	1245	943	1460	450	1000	2



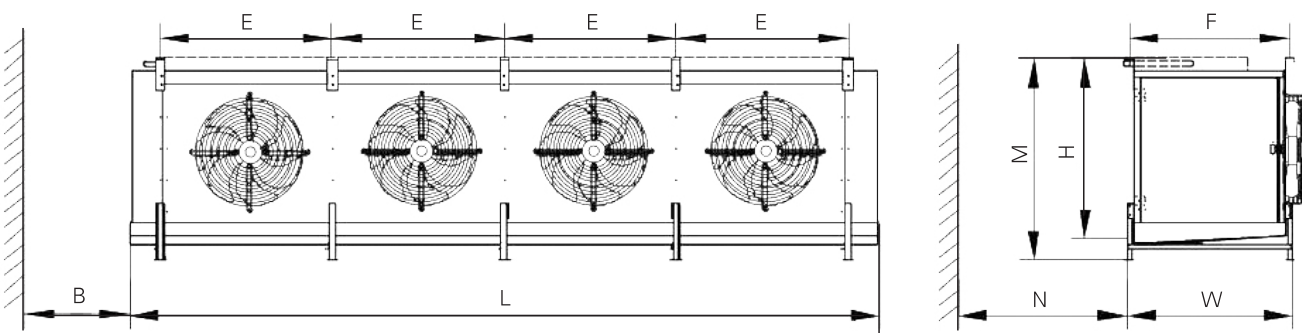
Dimensional parameters of Ceiling Unit Cooler

Model of units	Dimensions(mm)									FAN quantiny
	A	E	L	F	H	W	M	B	N	
500.1/3F.7	2700	900	3094	623	745	593	960	500	1000	3
500.1/3FI.7	2700	900	3094	673	745	643	960	500	1000	3
500.1/3S.7	2700	900	3094	723	745	693	960	500	1000	3
500.1/3E.7	2700	900	3094	823	745	793	960	500	1000	3
600.1/3F.7	3300	1100	3694	673	845	643	1060	500	1000	3
600.1/3FI.7	3300	1100	3694	723	845	693	1060	500	1000	3
600.1/3S.7	3300	1100	3694	773	845	743	1060	500	1000	3
600.1/3E.7	3300	1100	3694	873	845	843	1060	500	1000	3
630.1/3F.7	3600	1200	3994	673	845	643	1060	500	1000	3
630.1/3FI.7	3600	1200	3994	723	845	693	1060	500	1000	3
630.1/3S.7	3600	1200	3994	773	845	743	1060	500	1000	3
630.1/3E.7	3600	1200	3994	873	845	843	1060	500	1000	3
710.1/3F.7	4200	1400	4594	773	1045	743	1260	500	1000	3
710.1/3FI.7	4200	1400	4594	823	1045	793	1260	500	1000	3
710.1/3S.7	4200	1400	4594	873	1045	843	1260	500	1000	3
710.1/3E.7	4200	1400	4594	973	1045	943	1260	500	1000	3
900.1/3F.7	4800	1600	5194	773	1245	743	1460	500	1000	3
900.1/3FI.7	4800	1600	5194	823	1245	793	1460	500	1000	3
900.1/3S.7	4800	1600	5194	873	1245	843	1460	500	1000	3
900.1/3E.7	4800	1600	5194	973	1245	943	1460	500	1000	3



Dimensional parameters of Ceiling Unit Cooler

Model of units	Dimensions(mm)									FAN quantiny
	A	E	L	F	H	W	M	B	N	
500.1/4F.7	3600	900	3994	623	745	593	960	550	1000	4
500.1/4FI.7	3600	900	3994	673	745	643	960	550	1000	4
500.1/4S.7	3600	900	3994	723	745	693	960	550	1000	4
500.1/4E.7	3600	900	3994	823	745	793	960	550	1000	4
600.1/4F.7	4400	1100	4794	673	845	643	1060	550	1000	4
600.1/4FI.7	4400	1100	4794	723	845	693	1060	550	1000	4
600.1/4S.7	4400	1100	4794	773	845	743	1060	550	1000	4
600.1/4E.7	4400	1100	4794	873	845	843	1060	550	1000	4
630.1/4F.7	4800	1200	5194	673	845	643	1060	550	1000	4
630.1/4FI.7	4800	1200	5194	723	845	693	1060	550	1000	4
630.1/4S.7	4800	1200	5194	773	845	743	1060	550	1000	4
630.1/4E.7	4800	1200	5194	873	845	843	1060	550	1000	4
710.1/4F.7	5600	1400	5994	773	1045	743	1260	550	1000	4
710.1/4FI.7	5600	1400	5994	823	1045	793	1260	550	1000	4
710.1/4S.7	5600	1400	5994	873	1045	843	1260	550	1000	4
710.1/4E.7	5600	1400	5994	973	1045	943	1260	550	1000	4



Standard Air-cooler



High-temperature保留红色，其他字体换成另外一种颜色。这样能突出温度的选型。

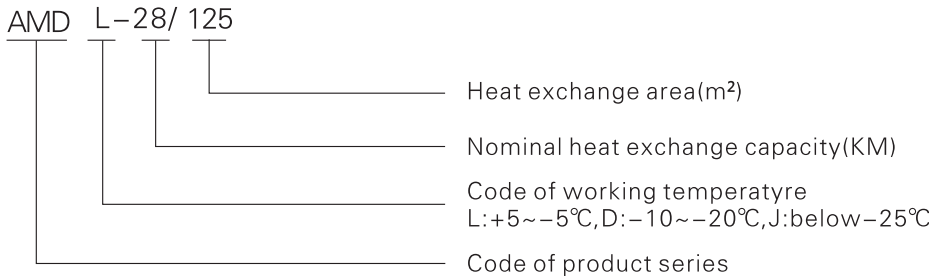
Applicaton

AMD-series Air-coolor is one kind of storage cooling equipment used in freon refrigerating, according to applicable temperature, there are 3 series including AMDL, AMDD and AMDJ, Which can be used at different storage tempe-ratures. AMDL type air-cooler is mainly applicable to about 0°C fresfi-preserved storages; AMDD type air-cooler is mainly applicable to about -18°Ccold storages; AMDJ type cooling fan is mainly applicable to quick-freezing storages below -25°C.

Feature

- This kind of air-cooler is specially designed for preservation, refrigeration and cold storages;
- The shell is made of quality steel plate; sprayed plastic surtace is anti-corrosive, and its appearance is handsome;
- Coiled pipes are mechanical expanding tubes in staggered arrangement; therefore, copper tubes and aluminum sheets are combined cioseiv, and ensure good effect of heat exchange electrical heating tubes made of good stainless steel are distributed evenly in coiled pipes, and thus ensureexcellent defrosting effect. electrical heating tubes are defrosted by cosely conecting electical aluminum bushing and holes of finsas a result, heat is dissipated easily, and thus fan boasts long service life;
- The design width of this cooling fan is reasonabie, space between fan biade and aluminum fin is larger than 1/3 diameter of fan blade in order to ensure sufficient effective air volume;
- Long-distance air supply ducts can be used according to customers requirements;
- For special-purpose prodcts, please contas agencies of AMCOOL company

Model description



High-temperature standard Air-Cooler

Technicai parameters of High-temperature standard Air-Cooler (supended-ceiling type)

Model of units	Refrigerating capacity	Nominalv area	Coiume	Inlet/outlet tube of refrigerant	Parameters of fan						Eleetrothermal defrosting	
	Δt=10℃ Temperature of Storage 0℃				Air volume	Quantity	Diameter of fan	Voltage	Pange	Range	Defrosting power of fins	Power of defrosting pan
	W				m²	L	mm	m³/h	N	mm	V	W
High–temperature fin space 4.5mm												
AMDL–2/10	2000	10	1.4	Φ12/Φ14	1566	1	300	380/220	75	8	500	500
AMDL–3/15	3000	15	1.8	Φ12/Φ14	3126	2	300	380/220	2×75	8	900	900
AMDL–4.3/20	4260	20	2.7	Φ12/Φ16	3126	2	300	380/220	2×75	8	900	900
AMDL–5.3/25	5325	25	3.5	Φ12/Φ16	4689	3	300	380/220	3×75	8	1200	1200
AMDL–8.4/40	8400	40	5.8	Φ16/Φ25	6800	2	400	380/220	2×180	10	1000	1000
AMDL–12/55	11550	55	7.6	Φ16/Φ25	6800	2	400	380/220	2×180	10	1200	1200
AMDL–17/80	16800	80	10.1	Φ19/Φ32	12000	2	500	380	2×550	15	2800	1400
AMDL–23/105	23200	105	13.5	Φ19/Φ32	12000	2	500	380	2×550	15	4200	1400
AMDL–28/125	27600	125	17.3	Φ19/Φ38	18000	3	500	380	3×550	15	4800	1600
AMDL–35/160	34640	160	19.6	Φ19/Φ38	18000	3	500	380	3×550	15	5100	1700
AMDL–40/185	40320	185	22.7	Φ25/Φ42	24000	4	500	380	4×550	15	6000	2000
AMDL–46/210	46080	210	25.8	Φ25/Φ42	24000	4	500	380	4×550	15	6000	2200
AMDL–52/260	52000	260	32.2	Φ25/Φ50	24000	4	500	380	4×550	15	6000	2200
AMDL–66/330	66000	330	41.9	Φ25/Φ50	32000	4	550	380	4×550	15	11000	2200
AMDL–82/410	82000	410	51.6	Φ25/Φ50	36000	4	600	380	4×750	17	11000	2200
AMDL–94/470	94000	470	62.2	Φ25/Φ54	36000	3	700	380	3×1500	17	16000	2000
AMDL–116/580	116000	580	72.8	Φ28/Φ54	36000	3	700	380	3×1500	17	17600	2200

※ When Tr=-25°C and Δt=10°C, R134a energy should multiply correction factor f ,that is QoR134a= QoR22 × f.

Medium-temperature standard Air-Cooler

Technicai parameters of Medium-temperature standard Air-Cooler
(supended-ceiling type)

Model of units	Refrigerating capacity	Nominalv area	Coiume	Inlet/outlet tube of refrigerant	Parameters of fan						Eleetrothermal defrosting	
	△t=10℃ Temperatureof Storage -18℃				Air volume	Quantity	Diameter of fan	Voltage	Pange	Range	Defrosting power of fins	Power of defrosting pan
	W				m²	L	mm	m³/h	N	mm	V	W
Medium–temperature fin space 6.0mm												
AMDD–1.2/7	1225	7	1.4	Φ12/Φ14	1566	1	300	380/220	75	8	500	500
AMDD–2.1/12	2100	12	1.8	Φ12/Φ14	3126	2	300	380/220	2×75	8	900	900
AMDD–2.6/15	2650	15	2.7	Φ12/Φ16	3126	2	300	380/220	2×75	8	1800	900
AMDD–3.9/22	3850	22	3.5	Φ12/Φ16	4689	3	300	380/220	3×75	8	2400	1200
AMDD–5.3/30	5250	30	5.8	Φ16/Φ25	6800	2	400	380/220	2×180	10	2000	1000
AMDD–7.0/40	7000	40	7.6	Φ16/Φ25	6800	2	400	380/220	2×180	10	3600	1200
AMDD–11/60	10500	60	10.1	Φ19/Φ32	12000	2	500	380	2×550	15	4200	1400
AMDD–14/80	14000	80	13.5	Φ19/Φ32	12000	2	500	380	2×550	15	7000	1400
AMDD–18/100	17500	100	17.3	Φ19/Φ38	18000	3	500	380	3×550	15	8000	1600
AMDD–21/120	21000	120	19.6	Φ19/Φ38	18000	3	500	380	3×550	15	8500	1700
AMDD–25/140	24500	140	22.7	Φ25/Φ42	24000	4	500	380	4×550	15	10000	2000
AMDD–28/160	28000	160	25.8	Φ25/Φ42	24000	4	500	380	4×550	15	11000	2200
AMDD–35/200	35000	200	32.2	Φ25/Φ50	24000	4	500	380	4×550	15	11000	2200
AMDD–44/250	43750	250	41.9	Φ25/Φ50	32000	4	550	380	4×550	15	17600	2200
AMDD–54/310	54250	310	51.6	Φ25/Φ50	36000	4	600	380	4×750	17	17600	2200
AMDD–63/360	63000	360	62.2	Φ25/Φ54	36000	3	700	380	3×1500	17	20000	2000
AMDD–77/440	77000	440	72.8	Φ28/Φ54	36000	3	700	380	3×1500	17	22000	2200

※ When Tr=–25℃ and △t=10℃, R134a energy should multiply correction factor f ,that is QoR134a= QoR22 × f.

Low-temperature standard Air-Cooler

Technicai parameters of Low-temperature standard Air-Cooler
(supended-ceiling type)

Model of units	Refrigerating capacity	Nominal v area	Coil volume	Inlet/outlet tube of refrigerant	Parameters of fan						Electrothermal defrosting	
	Δt=10℃ Temperature of Storage -25℃				Air volume	Quantity	Diameter of fan	Voltage	Power	Range	Defrosting power of fins	Power of defrosting pan
	W				m³/h	N	mm	V	W	m	W	W
Low-temperature fin space 9.0mm												
AMDJ-1.2/8	1240	8	1.8	Φ12/Φ14	3126	2	300	380/220	2×75	8	900	900
AMDJ-1.9/12	1860	12	2.7	Φ12/Φ16	3126	2	300	380/220	2×75	8	1800	900
AMDJ-2.3/15	2325	15	3.5	Φ12/Φ16	4689	3	300	380/220	3×75	8	2400	1200
AMDJ-3.1/20	3100	20	5.8	Φ16/Φ25	6800	2	400	380/220	2×180	10	2000	1000
AMDJ-4.7/30	4650	30	7.6	Φ16/Φ25	6800	2	400	380/220	2×180	10	3600	1200
AMDJ-6.2/40	6200	40	10.1	Φ19/Φ32	12000	2	500	380	2×550	15	4200	1400
AMDJ-8.5/55	8525	55	13.5	Φ19/Φ32	12000	2	500	380	2×550	15	7000	1400
AMDJ-11/70	10850	70	17.3	Φ19/Φ38	18000	3	500	380	3×550	15	8000	1600
AMDJ-13/85	13175	85	19.6	Φ19/Φ38	18000	3	500	380	3×550	15	8500	1700
AMDJ-16/100	15500	100	22.7	Φ25/Φ42	24000	4	500	380	4×550	15	10000	2000
AMDJ-18/115	17825	115	25.8	Φ25/Φ42	24000	4	500	380	4×550	15	11000	2000
AMDJ-22/140	21700	140	32.2	Φ25/Φ50	24000	4	500	380	4×550	15	11000	2200
AMDJ-26/170	26350	170	41.9	Φ25/Φ50	32000	4	550	380	4×550	15	17600	2200
AMDJ-33/210	32550	210	51.6	Φ25/Φ50	36000	4	600	380	4×750	17	17600	2200
AMDJ-39/250	38750	250	62.2	Φ25/Φ54	36000	3	700	380	3×1500	17	20000	2000
AMDJ-47/300	46500	300	72.8	Φ28/Φ54	36000	3	700	380	3×1500	17	22000	2200

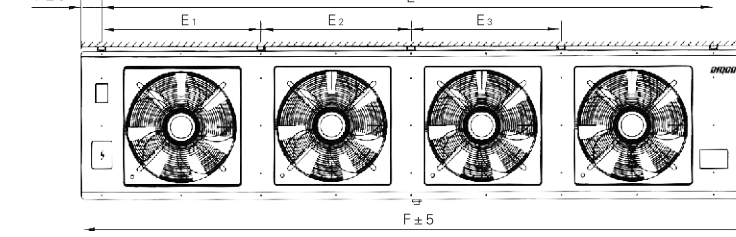
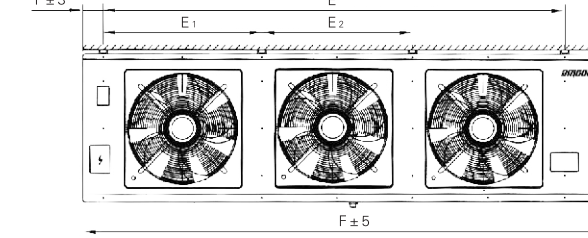
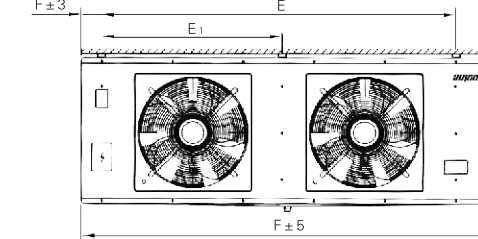
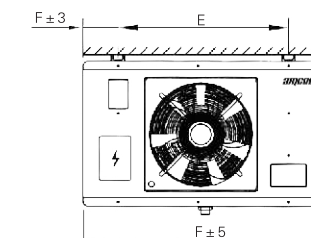
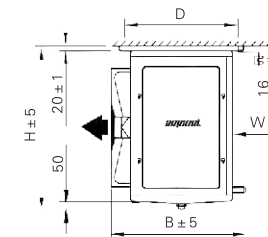
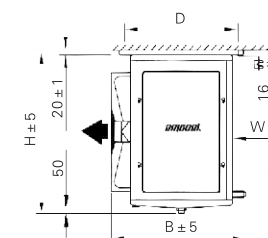
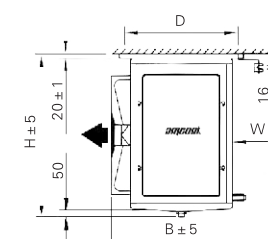
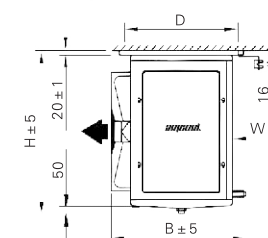
※ When Tr=–25℃ and △t=10℃, R134a energy should multiply correction factor f ,that is QoR134a= QoR22 × f.

Dimensional parameters of standard Air-Cooler

Model of units	Length (mm)	Width (mm)	Height (mm)	Position dimension of suspended-ceiling mounting hole (mm)						External diameter of connecting drain pipe	Space (mm)
	L	B	H	D	E	E ₁	E ₂	E ₃	F		W
AMDL-2/10	730	420	475	340	510				105	G1"	300
AMDD-1.2/7											
AMDL-3/15	1280	420	475	340	1060				105	G1"	300
AMDD-2.1/12											
AMDJ-1.2/8	1280	420	475	340	1060				105	G1"	300
AMDL-4.3/20											
AMDD-2.6/15	1280	420	475	340	1060				105	G1"	300
AMDJ-1.9/12											
AMDL-5.3/25	1580	420	475	340	1360				105	G1"	300
AMDD-3.9/22											
AMDJ-2.3/15	1580	420	475	340	1360				105	G1"	300
AMDL-8.4/40											
AMDD-5.3/30	1380	490	600	380	1110				95	G1"	350
AMDJ-3.1/20											
AMDL-12/55	1750	490	600	380	1480				95	G1"	350
AMDD-7.0/40											
AMDJ-4.7/30	1920	580	680	510	1650	840			95	G1"	400
AMDL-17/80											
AMDD-11/60	1920	580	680	510	1650	840			95	G1"	450
AMDJ-6.2/40											
AMDL-23/105	1920	580	680	510	1650	840			95	G1"	450
AMDD-14/80											
AMDJ-8.5/55	2420	580	680	510	2150	740	700		95	G1"	450
AMDL-28/125											
AMDD-18/100	2720	580	680	510	2450	840	800		95	G1"	500
AMDJ-11/70											
AMDL-35/160	3120	580	680	510	2850	740	700	700	95	G1"	500
AMDD-21/120											
AMDJ-13/85	3520	580	680	510	3250	840	800	800	95	G1.5"	500
AMDL-40/185											
AMDD-25/140	3520	680	680	580	3250	840	800	800	95	G1.5"	500
AMDJ-16/100											
AMDL-46/210	3520	680	680	580	3250	840	800	800	95	G1.5"	500
AMDD-28/160											
AMDJ-18/115	3520	680	680	580	3250	840	800	800	95	G1.5"	500
AMDL-52/260											
AMDD-35/200	3520	680	680	580	3250	840	800	800	95	G1.5"	500
AMDJ-22/140											

Dimensional parameters of standard Air-Cooler

Model of units	Length (mm)	Width (mm)	Height (mm)	Position dimension of suspended-ceiling mounting hole (mm)						External diameter of connecting drain pipe	Space (mm)
	L	B	H	D	E	E ₁	E ₂	E ₃	F		W
AMDL-66/330	3520	680	740	580	3250	840	800	800	95	G1.5"	610
AMDD-44/250											
AMDJ-26/170	3520	940	910	630	3250	840	800	800	95	G1.5"	610
AMDL-82/410											
AMDD-54/310	3020	1040	960	720	2750	940	900		95	G1.5"	630
AMDJ-33/210											
AMDL-94/470	3320	1040	1010	720	3050	1040	1000		95	G2.5"	630
AMDD-63/360											
AMDJ-39/250	3320	1040	1010	720	3050	1040	1000		95	G2.5"	630
AMDL-116/580											
AMDD-77/440	3320	1040	1010	720	3050	1040	1000		95	G2.5"	630
AMDJ-47/300											



Air-cooler condenser



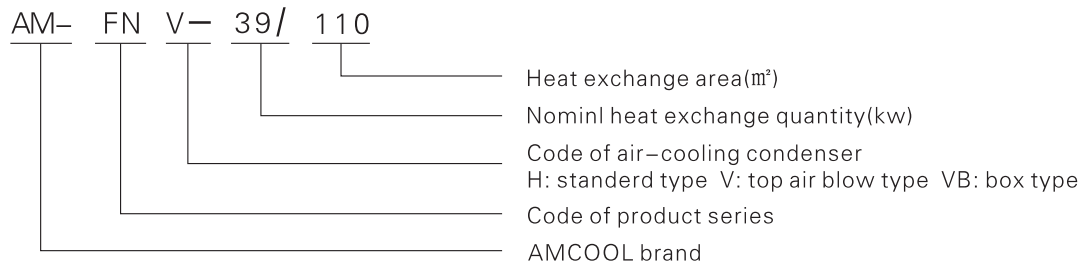
Applicaton

Air-cooler condenser is a radiator in freon refrigerating equipment, which used in air cooling air-cooled condensers has 3 types, including AM-FNH type, AM-FNV type and AM-FNVB type, AM-FNH type makes use of lateral air blows; AM-FNV type and AM-FNVB type are top air blows.

Feature

- This kind of air-cooler is specially designed for preservation, refrigeration and cold storages.
- The shell is made of quality steel plate; sprayed plastic surface is anti-corrosive, and its appearance is handsome.
- The design width of this cooling fan is reasonable, space between fan blade and aluminum fin is larger than 1/3 diameter of fan blade in order to ensure sufficient effective air volume.
- This product has passed 2.5 MPa air-tightness test and treatment of system waste.
- It is applicable to such refrigerant as R22, R134a, R404A and R407C,etc.
- AM-FNH type condensers use motors that boast large air volume and low rotating speed. therefore, the condensers have low noise and nice appearance, and can be widely used in those refrigerating equipment that have strict requirements of noise.
- AM-FNV type condensers have low noise motors, large windward sides and favorable heat exchanging effect. They are widely used in relatively large condensing units.

Model description



Technical parameters of AM-FNH type condensers

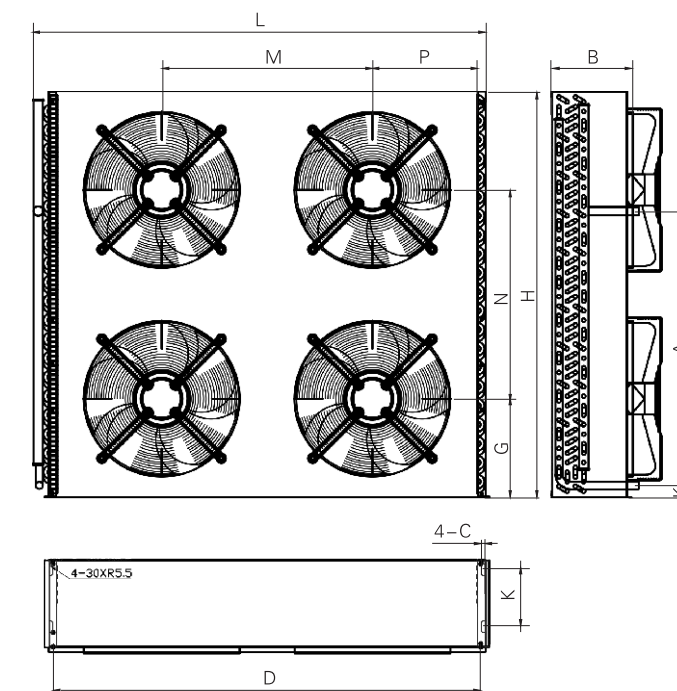
Model of units	Main parameters		Parameters of fan motor					Caliber of connecting tube		Category
	△t=15 (kw) Heat removal quantity	Condensing area	Diameter of fan blade	Quantity	Total air volume	Power	Voltage	Inlet	Outlet	
	w	m²	φmm	N	m³/h	w	v	φmm	φmm	
AM-FNH-0.7/2	710	2.0	200	1	430	33	220	10	10	This company can design and produce specialnon-standard products for customers
AM-FNH-1.2/3.4	1217	3.4	200	1	430	33	220	10	10	
AM-FNH-1.4/4.0	1440	4.0	200	1	430	33	220	10	10	
AM-FNH-1.6/4.4	1566	4.4	250	1	910	60	220	10	10	
AM-FNH-1.9/5.2	1856	5.2	300	1	1530	75	220	10	10	
AM-FNH-2.9/8.0	2864	8.0	300	1	1530	75	220	10	12	
AM-FNH-3.0/8.4	3007	8.4	300	1	1530	75	220	10	12	
AM-FNH-3.8/10.6	3816	10.6	300	1	1530	75	220	10	12	
AM-FNH-3.6/10	3550	10	350	1	1800	90	380	16	12	
AM-FNH-4.3/12	4296	12	350	1	1800	120	380	16	12	
AM-FNH-5.4/15	5355	15	350	1	1800	120	380	16	12	
AM-FNH-6.4/18	6408	18	400	1	3000	120	380	16	12	
AM-FNH-7.9/22A	7876	22	400	1	3000	120	380	16	12	
AM-FNH-10/27	9610	27	400	1	3000	2×120	380	19	16	
AM-FNH-7.9/22B	7876	22	350	2	3600	2×120	380	16	12	
AM-FNH-10/28	9968	28	350	2	3600	2×120	380	19	16	
AM-FNH-12/33	11880	33	350	2	3600	2×120	380	19	16	
AM-FNH-13/36	12960	42	400	2	6000	2×120	380	22	19	
AM-FNH-15/43	15036	52	400	2	6000	2×120	380	22	19	
AM-FNH-17/48	16784	60	400	2	6000	2×120	380	22	19	
AM-FNH-20/55	19907	70	400	2	6000	2×120	380	22	19	
AM-FNH-21/60	21360	80	400	2	6000	2×120	380	22	19	
AM-FNH-25/70	24640	100	450	2	9000	2×180	380	22	19	
AM-FNH-28/80	28240	110	450	2	9000	2×180	380	28	22	
AM-FNH-35/100	35400	120	400	4	12000	4×120	380	28	22	
AM-FNH-42/120	42240	135	400	4	12000	4×120	380	28	22	
AM-FNH-46/130	47799	155	400	4	12000	4×120	380	28	22	
AM-FNH-55/150	55025	170	450	4	18000	4×180	380	28	22	
AM-FNH-65/180	65500	180	450	4	18000	4×180	380	28	22	
AM-FNH-72/200	72200	200	450	4	18000	4×180	380	28	22	
AM-FNH II -12/31	11880	31	400	2	6000	2×120	380	19	16	
AM-FNH II -15/42	15036	42	400	2	6000	2×120	380	22	19	
AM-FNH II -17/48	16784	48	400	2	6000	2×120	380	22	19	
AM-FNH II -21/60	21360	60	400	2	6000	2×120	380	22	19	
AM-FNH II -26/74	25640	74	450	2	9000	2×180	380	22	19	
AM-FNH II -29/85	28240	85	450	2	9000	2×180	380	28	22	
AM-FNH II -35/100	35400	100	400	4	12000	4×120	380	28	22	
AM-FNH II -43/125	43240	125	400	4	12000	4×120	380	28	22	
AM-FNH II -46/130	45799	130	450	4	18000	4×180	380	28	22	
AM-FNH II -55/150	55025	150	450	4	18000	4×180	380	28	22	
AM-FNH II -65/180	65500	180	450	4	18000	4×180	380	28	22	

Dimensional parameters of FNH type condensers

Model of units	Copper tubes	Dimensions			Mounting dimensions			Coupling dimensions		Dimensions of fan arrangement			
	Row number × Number of rings	L	B	H	D	E	C	A	K	G	P	M	N
	N × W	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
AM-FNH-0.7/2	2 × 4	300	120	240	275	70	9	200	24	115	125		
AM-FNH-1.2/3.4	3 × 4	300	120	240	275	70	9	200	24	115	125		
AM-FNH-1.4/4.0	3 × 4.5	350	120	255	290	90	7	225	24	128	150		
AM-FNH-1.6/4.4	3 × 5	375	120	280	350	70	7	250	24	140	162		
AM-FNH-1.9/5.2	3 × 6	420	130	340	370	100	7	290	25	170	185		
AM-FNH-2.9/8.0	4 × 6	420	150	340	370	120	9	290	25	170	185		
AM-FNH-3.0/8.4	3 × 6	530	170	350	475	120	9	275	44	175	225		
AM-FNH-3.8/10.6	4 × 6	530	170	350	475	120	9	275	44	175	225		
AM-FNH-3.6/10	3 × 8	530	190	420	475	120	9	375	30	210	225		
AM-FNH-4.3/12	4 × 8	520	200	420	430	130	9	320	50	210	220		
AM-FNH-5.4/15	4 × 9	570	200	470	480	130	9	370	50	235	245		
AM-FNH-6.4/18	4 × 10	610	200	520	520	130	11	420	50	260	265		
AM-FNH-7.9/22A	5 × 10	610	220	520	520	150	11	420	50	260	265		
AM-FNH-10/27	6 × 9	670	260	470	580	190	11	425	35	340	295		
AM-FNH-7.9/22B	4 × 8	890	200	420	800	130	11	320	50	210	210	390	
AM-FNH-10/28	4 × 8	930	200	430	840	130	11	375	35	215	223	405	
AM-FNH-12/33	5 × 9	930	220	480	840	130	11	425	35	240	223	405	
AM-FNH-13/36	4 × 11	1040	200	580	950	130	11	387	60	290	250	460	
AM-FNH-15/43	4 × 13	1040	200	680	950	130	11	487	60	340	250	460	
AM-FNH-17/48	4 × 12	1260	220	630	1170	120	11	437	60	315	305	570	
AM-FNH-20/55	4 × 14	1260	220	730	1170	120	11	537	60	365	305	570	
AM-FNH-21/60	4 × 15	1260	220	780	1170	120	11	562	60	390	305	570	
AM-FNH-25/70	4 × 16	1260	220	830	1170	120	11	587	60	415	305	570	
AM-FNH-28/80	4 × 18	1260	220	830	1170	120	11	687	60	465	305	570	
AM-FNH-35/100	4 × 22	1260	220	1130	1170	120	11	800	60	283	305	570	565
AM-FNH-42/120	4 × 25	1260	220	1280	1170	120	11	800	60	345	305	570	590
AM-FNH-46/130	4 × 27	1260	220	1380	1170	120	11	800	60	345	305	570	690
AM-FNH-55/150	5 × 26	1330	270	1330	1240	200	11	805	55	340	320	610	650
AM-FNH-65/180	6 × 26	1330	290	1330	1240	200	11	805	55	340	320	610	650
AM-FNH-72/200	6 × 28	1330	290	1430	1240	200	11	1060	35	340	320	610	700

Dimensional parameters of FNH type condensers

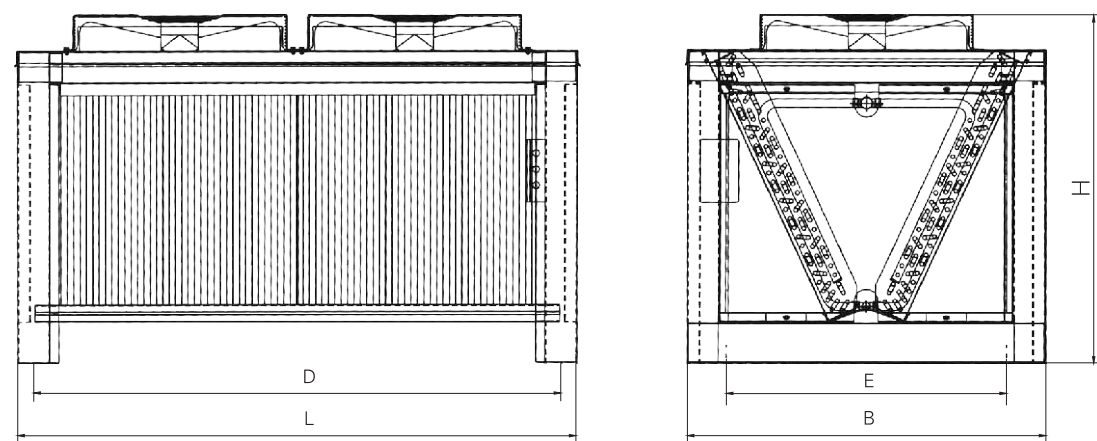
Model of units	Copper tubes	Dimensions			Mounting dimensions			Coupling dimensions		Dimensions of fan arrangement			
	Row number × Number of rings	L	B	H	D	E	C	A	K	G	P	M	N
	N × W	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
AM-FNH II-12/31	3 × 12	1020	220	630	930	150	9	470	38.5	315	235	470	
AM-FNH II-15/42	4 × 12	1020	220	630	930	150	9	470	38.5	315	235	470	
AM-FNH II-17/48	3 × 14	1020	220	730	930	150	9	570	38.5	365	235	470	
AM-FNH II-21/60	5 × 14	1020	220	730	930	150	9	570	38.5	365	235	470	
AM-FNH II-26/74	5 × 14	1230	220	730	1140	160	9	570	38.5	365	287.5	575	
AM-FNH II-29/85	5 × 16	1230	220	830	1140	160	9	670	38.5	415	287.5	575	
AM-FNH II-35/100	4 × 24	1230	220	1230	1140	160	9	1070	38.5	307.5	287.5	575	615
AM-FNH II-43/125	5 × 24	1230	220	1230	1140	160	9	1070	38.5	307.5	287.5	575	615
AM-FNH II-46/130	4 × 24	1530	250	1230	1470	180	9	1070	38.5	307.5	370	740	615
AM-FNH II-55/150	5 × 22	1530	250	1130	1170	180	9	970	38.5	282.5	370	740	565
AM-FNH II-65/180	6 × 22	1530	270	1130	1470	180	9	970	38.5	282.5	370	740	565



Technical parameters of AM-FNV type condensers

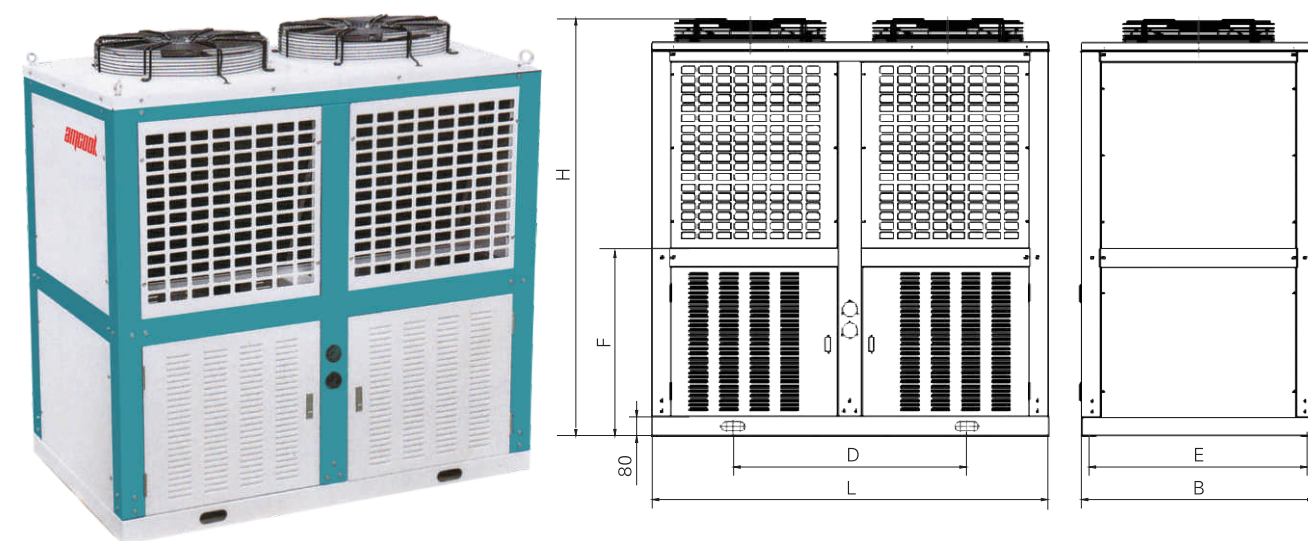
Model of units	Δt=15 (kw) Heat removal quantity	Heat- exchange area	Fan					Inlet	Outlet	Dimensions			Mounting Dimensions	
			Quantity	Diameter of fan blade	Air voiume	Power	Voltage			L	B	H	D	E
	W	m²	N	Φmm	m³/h	W	V	Φmm	Φmm	mm	mm	mm	mm	mm
AM-FNV-25/72	24840	72	1	4D500	8720	600	380	22	16	950	900	880	870	650
AM-FNV-30/87	30102	87	1	4D600	10820	780	380	25	16	1100	1000	860	1020	750
AM-FNV-39/110	39050	110	2	4D500	2×6570	2×450	380	25	16	1400	900	880	1320	650
AM-FNV-45/130	44850	130	2	4D550	2×8720	2×600	380	28	19	1550	900	880	1470	650
AM-FNV-55/155	55025	155	2	4D550	2×8720	2×600	380	28	19	1600	1000	980	1520	750
AM-FNV-64/185	63825	185	2	4D600	2×10820	2×780	380	28	22	1700	1000	1080	1620	750
AM-FNV-73/210	72660	210	2	4D630	2×12200	2×800	380	32	22	1750	1100	1180	1670	750
AM-FNV-83/240	82800	240	2	Φ710	2×15000	2×1200	380	32	22	1900	1175	1260	1820	925
AM-FNV-100/280	99980	280	3	Φ600	3×10820	3×780	380	35	25	2350	1000	1180	2270	750
AM-FNV-104/300	103800	300	2	Φ800	2×19000	2×1300	380	35	25	2250	1175	1260	2170	925
AM-FNV-111/320	111040	320	2	Φ800	2×19000	2×1200	380	38	25	2350	1175	1260	2270	925
AM-FNV-125/360	124560	360	3	Φ630	3×13200	3×800	380	42	28	2650	1175	1260	2570	925
AM-FNV-138/400	138400	400	3	Φ710	3×15000	3×1200	380	42	28	2950	1175	1260	2870	925
AM-FNV-166/480	165600	480	3	Φ800	3×19000	3×1300	380	54	28	3400	1175	1260	3320	925

Note: four-pole external rotor fans shall be used for the heat-exchange area less than 210m². And six-pole axial flow fans shall be used for the heat-exchange area more than 240 m².



Technical parameters of AM-FNVB type condensers

Model of units	Δt=15 (kw) Heat removal quantity	Heat- exchange area	Fan					Inlet	Outlet	Dimensions				Mounting Dimensions	
			Quantity	Diameter of fan blade	Air voiume	Power	Voltage			L	B	H	F	D	E
	W	m²	N	Φmm	m³/h	W	V	Φmm	Φmm	mm	mm	mm	mm	mm	mm
AM-FNVB-25/72	24840	72	1	Φ550	8720	600	380	22	16	950	900	1490	630	550	820
AM-FNVB-30/87	30102	87	1	Φ600	10820	780	380	25	16	1100	1000	1500	630	600	820
AM-FNVB-39/110	39050	110	2	Φ500	2×6570	2×450	380	25	16	1400	900	1490	630	900	820
AM-FNVB-45/130	44850	130	2	Φ550	2×8720	2×600	380	28	19	1550	900	1490	630	900	820
AM-FNVB-55/155	55025	155	2	Φ550	2×8720	2×600	380	28	19	1600	1000	1650	700	900	920
AM-FNVB-64/185	63825	185	2	Φ600	2×10820	2×780	380	28	22	1700	1000	1780	715	1000	920
AM-FNVB-73/210	72660	210	2	Φ630	2×12200	2×800	380	32	22	1750	1100	1880	715	1050	920
AM-FNVB-83/240	82800	240	2	Φ710	2×15000	2×1200	380	32	22	1900	1175	1980	735	1200	1100
AM-FNVB-100/280	99980	280	3	Φ600	3×10820	3×780	380	35	25	2350	1000	1880	735	1600	920
AM-FNVB-104/300	103800	300	2	Φ800	2×19000	2×1300	380	35	25	2250	1175	1980	735	1550	1100
AM-FNVB-111/320	111040	320	2	Φ800	2×19000	2×1200	380	38	25	2350	1175	1980	735	1650	1100
AM-FNVB-125/360	124560	360	3	Φ630	3×13200	3×800	380	42	28	2650	1175	1980	735	1950	1100
AM-FNVB-138/400	138400	400	3	Φ710	3×15000	3×1200	380	42	28	2950	1175	1980	735	2250	1100
AM-FNVB-166/480	165600	480	3	Φ800	3×19000	3×1300	380	54	28	3400	1175	1980	735	2700	1100

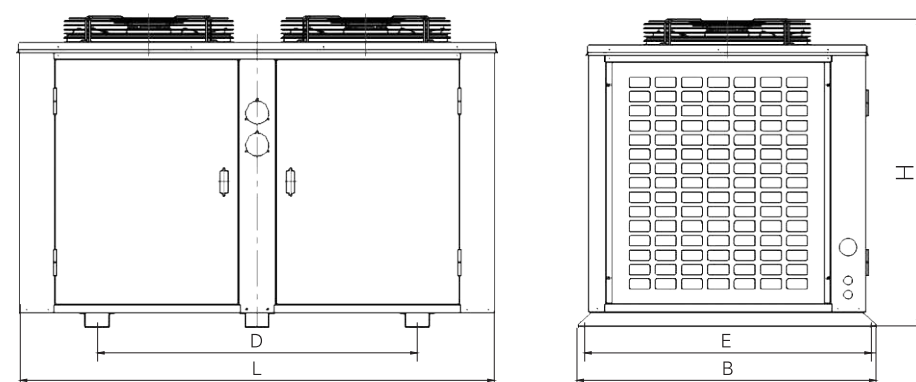


AM-FNU type type condensers

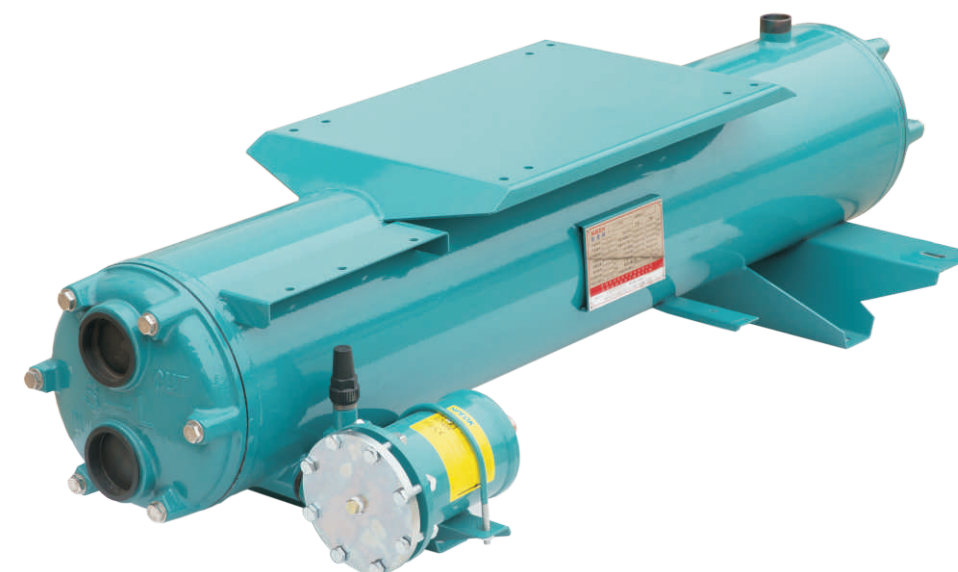


Technical parameters of AM-FNU type condensers

Model of units	Δt=15 (kw) Heat removal quantity	Heat- exchange area	Fan					Inlet	Outlet	Dimensions			Mounting Dimensions	
			Quantity	Diameter of fan blade	Air voiume	Power	Voltage			L	B	H	D	E
	W	m²	N	Φmm	m³/h	W	V	Φmm	Φmm	mm	mm	mm	mm	mm
AM-FNU-10/28	9968	28	1	4D450	5000	290	380	19	14	870	670	690	510	840
AM-FNU-12/33	11880	33	1	4D450	5000	290	380	19	14	870	670	690	510	840
AM-FNU-15/42	15036	42	1	4D500	6570	380	380	19	16	920	770	690	610	890
AM-FNU-18/50	17950	50	1	4D550	8720	600	380	22	16	900	770	900	610	870
AM-FNU-21/60	31360	60	1	4D550	8720	600	380	22	16	900	770	900	610	870
AM-FNU-25/70	24640	70	1	4D550	8720	600	380	22	16	900	770	1000	610	840
AM-FNU-28/80	28240	80	2	4D450	2×5000	2×290	380	22	16	1330	850	890	900	820
AM-FNU-31/90	30500	90	2	4D500	2×6570	2×380	380	22	16	1300	950	890	900	920
AM-FNU-35/100	35400	100	2	4D500	2×6570	2×380	380	22	16	1330	950	990	900	920
AM-FNU-39/110	39050	110	2	4D500	2×6570	2×380	380	22	16	1480	950	990	900	920
AM-FNU-42/120	42240	120	2	4D550	2×8720	2×600	380	25	19	1730	1050	1000	1300	1020
AM-FNU-46/130	46028	130	2	4D550	2×8720	2×600	380	25	29	1730	1050	1000	1300	1020
AM-FNU-50/150	50109	150	2	4D550	2×8720	2×600	380	25	19	1730	1050	1000	1300	1020



Shell and tube water-cooled condenser



PKSL 型号不对

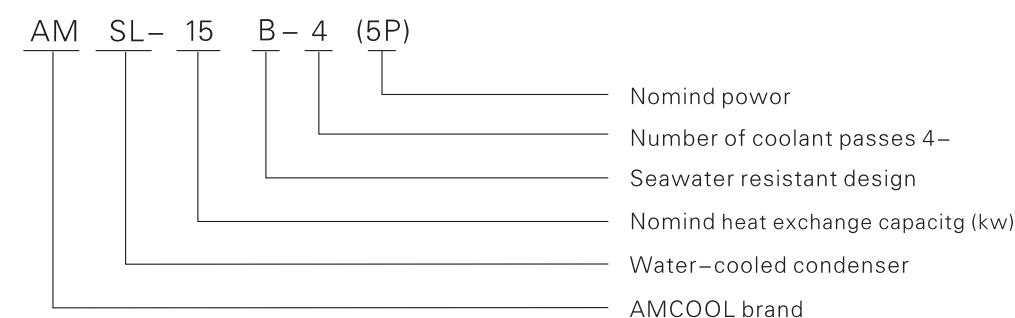
Applicaton

PKSL shell and tube water-cooled condenser is a closed water-cooled condenser consisting of shell, tube sheet, heat exchange tube bundle, cooling water distribution parts, cooling water and refrigerant inlet and outlet pipe joints. It is widely used in refrigeration, refrigeration, agriculture, Food, chemical and other industries can also be matched with central air conditioning host equipment.

Feature

- High-efficiency heat exchange tube adopts reinforced externally-made copper tube to ensure that the heat exchange capacity of the product is sufficient.
- High adhesion first electrostatic spray technology, the product surface salt spray test can reach more than 500 hours.
- The arch bridge type perforated mounting plate meets the installation of the piston machine and the scroll machine, realizing the universal effect of one machine.
- With filter replaceable filter cartridge design, full diameter, large flow.
- Integrated condenser support foot design, which is both beautiful and easy to install parts.
- Anti-collision internal thread inlet.

Model description



Product design

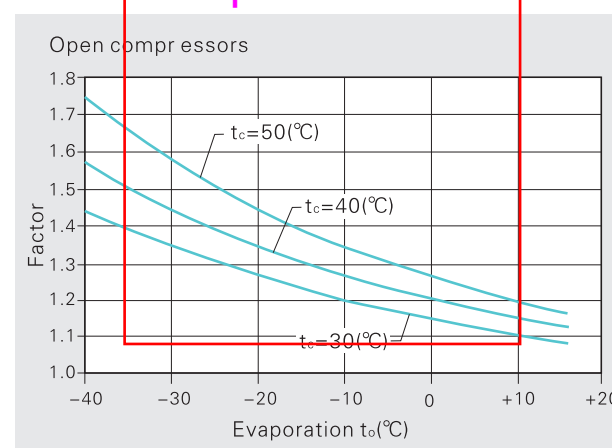
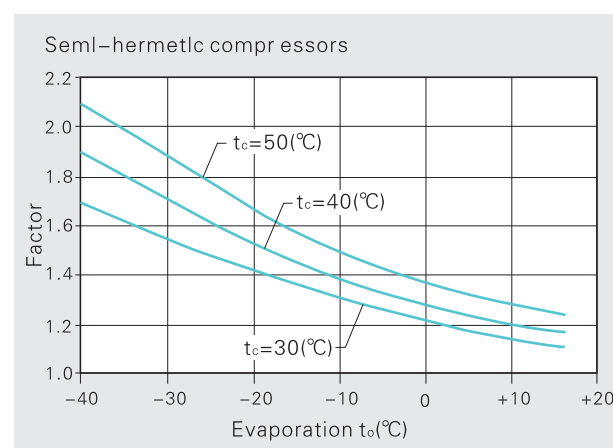
- The product design and manufacturing standards adopt GB/T 150–2011 "steel pressure vessel", GB/T151–2014 "heat exchanger" national standard and NB/T47012–2010 "pressure vessel for refrigeration equipment" industry standard; marine products also It shall comply with CB 3248–85 "Technical Conditions for Marine Refrigeration Pressure Vessels" for manufacturing, inspection and acceptance;
- Product working conditions: condensing temperature $T_K=40^{\circ}\text{C}$, cooling water (fresh water) inlet water temperature $T_1=30^{\circ}\text{C}$, outlet water temperature $T_2=35^{\circ}\text{C}$, undercooling degree 3°C , fouling coefficient $W=0.000043\text{m}^2\text{ k/w}$; cooling water (Seawater) Inlet water temperature $T_1=32^{\circ}\text{C}$, outlet water temperature $T_2=3^{\circ}\text{C}$, undercooling degree 35°C , fouling coefficient $W=0.000086\text{m}^2\text{ k/w}$; other working conditions can be specially designed and manufactured according to customer requirements.
- Wax. working pressure / working temperature
 - refrigerant side: 2.8 MPa/ 40°C to 60°C
 - side of the coolant: 1.0 MPa/ 40°C to 60°C
- Suitable for (H)CFC/HFC refrigerants

Shell tube water-cooler condenser selection

Calculation of the condenser capacity Q

For condenser selection it is first necessary to determine the condenser capacity Q. The power to be dissipated in the condenser can be calculated in two different ways:

- Condenser capacity as a total of refrigerating capacity and power input With this method, the refrigerating capacity and power input of the compressor(or compressors in case of parallel systems) are added. For performance data refer to compressor leaflets or software.
- Approximate calculation by means of factors A simplified method can also be used in normal cases. For this purpose, the refrigerating capacity of the compressor is multiplied by the factor taken from the graph below in order to calculate the condenser capacity.



Note:

- The condenser must be designed so that there is sufficient capacity reserve for pull down conditions or after defrost periods (check calculation required at maximum evaporation temperature).
- There is no special calibration in the sample. The heat transfer load refers to the heat load and cooling load when using refrigerant R22 under air conditioning conditions, such as using $R134a=0.85$; if using R407C, the heat exchange amount is $R407C=0.95$;

Water-cooled condenser

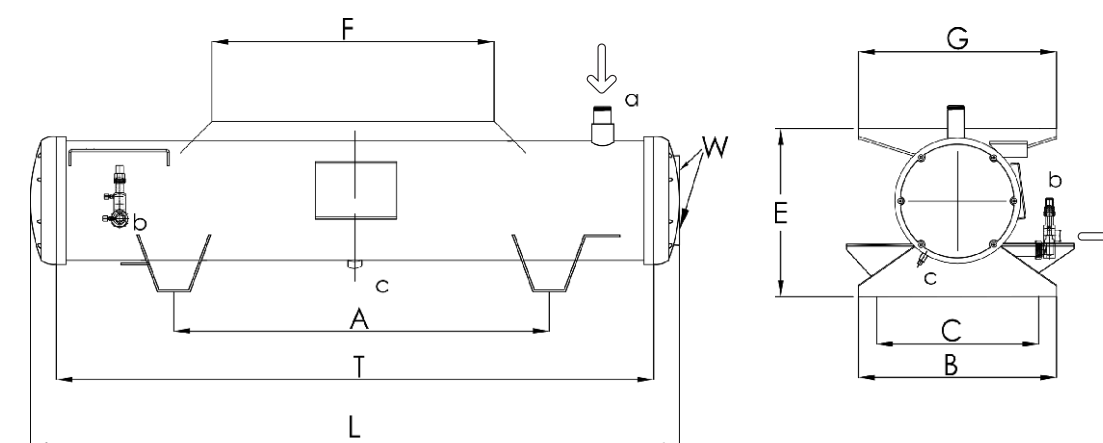


Dimensional parameters of water-cooled condenser

Model of units	Heat exchange capacity (Kw)	Dimensions (mm)									Inlet & Outlet (mm)		Water tube (in)
		Φ	L	T	A	B	C	E	F	G	a	b	
AMSL-15 (5P)	14.7	219	1130	940	510	370	330	312	420	340	22	16	2"
AMSL-20 (8P)	19.7	219	1190	1100	670	370	330	312	420	340	28	16	2"
AMSL-27 (10P)	27.3	219	1190	1100	670	370	330	312	420	340	28	16	2"
AMSL-32 (15P)	32.2	219	1350	1250	800	370	330	312	420	340	28	16	2"
AMSL-45 (20P)	44.8	273	1350	1250	800	440	400	366	520	370	28	19	2"
AMSL-55 (25P)	51.3	273	1700	1600	1140	440	400	366	520	370	35	22	2-1/2"
AMSL-63 (30P)	59.2	273	1700	1600	1140	440	400	366	520	370	35	22	2-1/2"
AMSL-71 (35P)	71.0	273	1700	1600	1140	440	400	366	520	370	35	22	2-1/2"
AMSL-87 (40P)	88.7	273	1700	1600	1140	440	400	366	520	370	42	28	2-1/2"
AMSL-109 (50P)	100.6	273	1700	1600	1140	440	400	366	520	370	42	28	2-1/2"
AMSL-130 (60P)	130.7	273	1900	1800	1140	440	400	366	520	370	54	28	2-1/2"

Note:

The parameters in the sample are subject to change without prior notice. The special structure and size can be specially designed and manufactured according to the user's size requirements.



Technical parameters of water-cooled condenser

Model of units	Two flow path					Four flow path				
	Capacity		Coolant max. Flow		Pressure drop	Capacity		Coolant max. Flow		Pressure drop
	Δte=15K	Δte=10K				Δte=15K	Δte=10K			
	W	W	l/s	m³/h	bar	W	W	l/s	m³/h	bar
Standard fom										
AMSL-15 (5P)	15200	10100	0.76	2.75	0.11	13300	8900	0.38	1.38	0.22
AMSL-20 (8P)	21500	14280	0.76	2.75	0.14	17300	11600	0.38	1.38	0.28
AMSL-27 (10P)	29500	18300	1.78	6.42	0.32	25200	14500	0.89	3.21	0.64
AMSL-32 (15P)	36200	24200	1.78	6.42	0.32	30900	20600	0.89	3.21	0.64
AMSL-45 (20P)	46700	29400	2.38	8.56	0.33	37800	24700	1.19	4.28	0.64
AMSL-55 (25P)	51100	34100	2.38	8.56	0.33	43600	29100	1.19	4.28	0.64
AMSL-63 (30P)	63500	45300	2.98	10.71	0.39	57600	35900	1.49	5.35	0.78
AMSL-71(35P)	77700	51800	2.98	10.71	0.39	63500	42300	1.49	5.35	0.78
AMSL-87 (40P)	95700	68400	5.12	18.33	0.32	89700	54000	2.31	8.33	0.59
AMSL-109 (50P)	124900	83300	5.12	18.33	0.32	100200	66800	2.31	8.33	0.59
AMSL-130 (60P)	157100	104700	6.48	23.32	0.32	131100	87400	3.24	11.66	0.58
Seawater resistant design										
AMSL-15B (5P)	13200	8900	0.76	2.75	0.11	11500	7700	0.38	1.38	0.22
AMSL-20B (8P)	18600	12380	0.76	2.75	0.14	15000	10000	0.38	1.37	0.28
AMSL-27B (10P)	24700	16800	1.78	6.42	0.31	20100	13700	0.89	3.21	0.63
AMSL-32B (15P)	31400	21100	1.78	6.42	0.31	27100	18200	0.89	3.21	0.63
AMSL-45B (20P)	39100	25300	2.38	8.56	0.31	32500	21400	1.19	4.28	0.63
AMSL-55B (25P)	44700	29700	2.38	8.56	0.31	37900	25500	1.19	4.28	0.63
AMSL-63B (30P)	56300	34500	2.97	10.71	0.39	43600	32700	1.49	5.35	0.78
AMSL-71B (35P)	67100	45600	2.97	10.71	0.39	55000	37300	1.49	5.35	0.78
AMSL-87B (40P)	85400	63200	5.09	18.32	0.31	76400	48000	2.31	8.33	0.59
AMSL-109B (50P)	107300	71500	5.09	18.32	0.31	86200	57500	2.31	8.33	0.59
AMSL-130B (60P)	130700	87700	6.48	23.34	0.31	110100	74000	3.24	11.66	0.58

Δte is the temperature difference between the condensing temperature and the refrigerant inlet.

Announcements

- When using, the water flow rate should not be greater than the maximum water flow at the specified time, otherwise it will affect the service life of the heat exchanger and properly clean the water quality;
- When the ambient temperature is 0° C and below, the water in the cooler should be drained to avoid freezing the copper tube;
- When the refrigerant is filled, avoid the copper tube rupture if the refrigerant is filled too fast;
- The heat exchanger is generally maintained once a year and requires professional maintenance.

AIR-cooled units



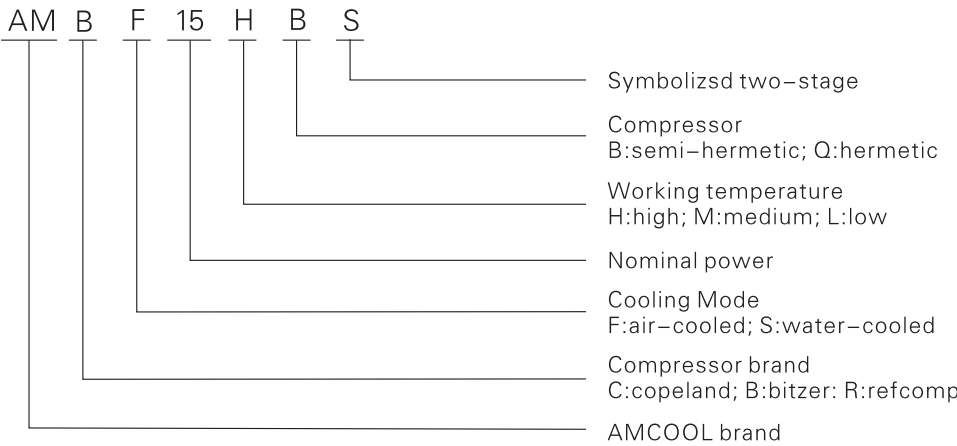
Applicaton

According to requirements of market development, our company has produced semi-hermetic air-cooled units and semi-hermetic box-type condensing units, in order tl meet different demands ranging form -40℃ to 12.5℃, this pr-oduct is widely used in industries such as medical appqratus, food, bio-pharmacy and chemical, etc.

Feature

- Select international brand compressor, good quality, low noise and high reliability.
- Adopt copper tubes and aluminum fins condensers, high efficiency of heat exchange and long service life.
- The compressor unit can for use in many kinds of refrigerants such as R22. R134a. R404A. R407C;
- Excellent design for the driving parts and up to best rduced the vibration result;
- Construction compact, equipped with protect cover, stability, service life long and good looking.

Model description



Medium and low Temperature Air-Cooled Condensing Unit

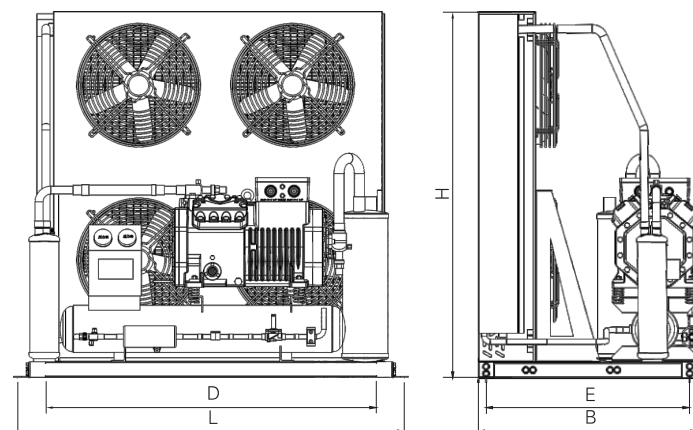
Semi-hermetic Series

Model of units			AMBF2MLB	AMBF3MLB	AMBF5MLB	AMBF10MLB	AMBF15MLB
Applicable Temperature(°C)			-40~-5°C				
Refrigerant			R22				
Power supply			380V50HZ				
Condenser	Quantity of Fan(piece)		1	2	2	2	2
	Air volume(m³/h)		1800	3600	6000	9000	17440
	Power of Fan(w)		120	240	240	360	1200
Refrigerating capacity of compressor units	Evaporating Temperature -5°C	Cooling capacity(kw)	3.05	4.42	6.57	14.45	19.50
		power(kw)	1.93	2.59	3.62	7.70	10.50
	Evaporating Temperature -10°C	Cooling capacity(kw)	2.96	3.63	4.80	8.94	12.50
		power(kw)	2.09	2.43	2.90	6.35	8.52
	Evaporating Temperature -15°C	Cooling capacity(kw)	1.20	1.73	3.52	7.16	9.90
		power(kw)	1.21	1.67	2.95	6.33	8.59
Coupling	Tube coupling		3/8 "	3/8 "	1/2 "	5/8 "	5/8 "
	Suction coupling		7/8 "	7/8 "	1-1/8 "	1-3/8 "	1-3/8 "
Overall dimensions	(L) mm Length		600	1010	1010	1430	1430
	(B) mm Width		700	710	710	900	900
	(H) mm Height		520	520	570	880	1080
Mounting dimensions	(D) mm Length		550	960	960	1390	1390
	(E) mm Width		420	420	420	600	600

Standard configuration of units:compressor,condenser,lipuid receiver,pressure controller,pressuer gauge,filter,solenoid valve and wirring box,etc.

Note

- Cooling capacity in the form is calculated when the ambient temperature is 32°C.
- Configuration can be added according to customers' requirements.
- When the compressor uses refrigerant R22, and evaporating temperature lower than -15°C cylinder head fan must be installed. When the evaporating temperature below -25°C the compressor hydrojet system also must be installed.



Medium and low Temperature Air-Cooled Condensing Unit

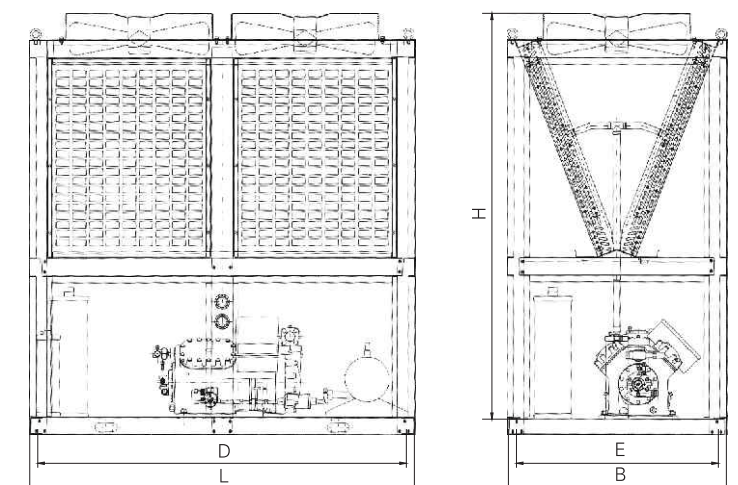
Semi-hermetic Series

Model of units			AMBF15MLB	AMBF20MLB	AMB25MLB	AMB30MLB	AMBF40MLB
Applicable Temperature(°C)			-40~-5°C				
Refrigerant			R22				
Power supply			380V50HZ				
Condenser	Quantity of Fan(piece)		2	2	2	2	2
	Air volume(m³/h)		17440	21640	21640	30000	38000
	Power of Fan(w)		1200	1560	1560	1500	2200
Refrigerating capacity of compressor units	Evaporating Temperature -5°C	Cooling capacity(kw)	25.50	29.20	38.90	44.10	47.69
		power(kw)	14.80	17.15	22.20	26.00	29.70
	Evaporating Temperature -10°C	Cooling capacity(kw)	16.70	19.10	25.20	28.60	28.65
		power(kw)	11.45	13.05	17.50	19.90	23.50
	Evaporating Temperature -15°C	Cooling capacity(kw)	9.90	11.25	14.50	16.75	20.9
		power(kw)	8.59	9.63	13.20	14.90	18.97
Coupling	Tube coupling		5/8 "	3/4 "	3/4 "	7/8 "	7/8 "
	Suction coupling		1-5/8 "	2-1/8 "	2-1/8 "	2-1/8 "	2-5/8 "
Overall dimensions	(L) mm Length		1430	1470	1700	1900	2250
	(B) mm Width		1000	1000	1000	1175	1175
	(H) mm Height		1080	1180	1780	1980	1980
Mounting dimensions	(D) mm Length		1390	1430	1000	1200	1550
	(E) mm Width		700	700	920	1100	1100

Standard configuration of units:compressor,condenser,lipuid receiver,pressure controller,pressuer gauge,filter,solenoid valve and wirring box,etc.

Note

- Cooling capacity in the form is calculated when the ambient temperature is 32°C.
- Configuration can be added according to customers' requirements.
- When the compressor uses refrigerant R22, and evaporating temperature lower than -15°C cylinder head fan must be installed. When the evaporating temperature below -25°C the compressor hydrojet system also must be installed.



Medium and High Temperature Air-Cooled Condensing Unit

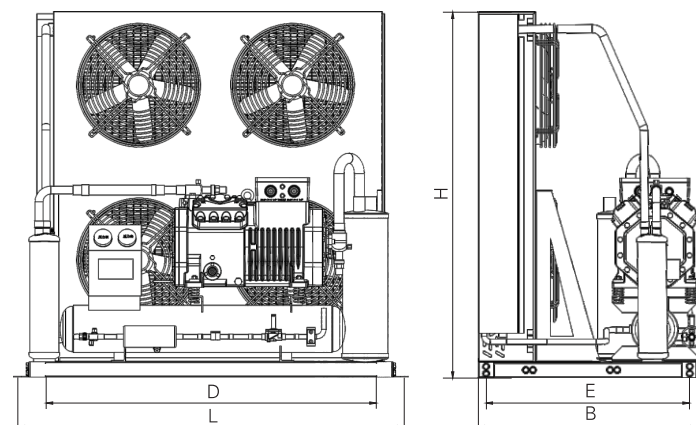
Semi-hermetic Series

Model of units			AMBF3MHB	AMBF4MHB	AMBF5MHB	AMBF8MHB	AMBF10MHB	AMBF15MHB
Applicable Temperature(°C)			-20~+5°C					
Refrigerant			R22					
Power supply			380V50HZ					
Condenser	Quantity of Fan(piece)		2	2	2	2	2	2
	Air volume(m³/h)		3600	6000	6000	9000	9000	16500
	Power of Fan(w)		240	240	240	360	360	1200
Refrigerating capacity of compressor units	Evaporating Temperature -5°C	Cooling capacity(kw)	5.66	7.12	9.34	13.19	18.94	27630
		power(kw)	3.04	3.64	4.59	6.06	9.24	11918
	Evaporating Temperature -10°C	Cooling capacity(kw)	4.20	5.24	7.12	9.98	14.53	21148
		power(kw)	2.55	2.76	3.57	4.60	7.06	10115
	Evaporating Temperature -15°C	Cooling capacity(kw)	3.46	4.28	5.91	8.16	12.14	19846
		power(kw)	2.50	2.90	3.81	4.80	7.58	9675
Coupling	Tube coupling		3/8 "	3/8 "	1/2 "	5/8 "	5/8 "	5/8 "
	Suction coupling		3/4 "	3/4 "	1 "	1-1/8 "	1-1/8 "	1-3/8 "
Overall dimensions	(L) mm Length		1010	1010	1010	1230	1430	1430
	(B) mm Width		710	710	710	800	900	900
	(H) mm Height		520	570	570	780	880	1080
Mounting dimensions	(D) mm Length		960	960	960	1180	1390	1390
	(E) mm Width		420	420	420	520	600	600

Standard configuration of units:compressor,condenser,lipuid receiver,pressure controller,pressuer gauge,filter,solenoid valve and wirring box,etc.

Note

- Cooling capacity in the form is calculated when the ambient temperature is 32°C.
- Configuration can be added according to custo mers' requirements.
- When the compressor uses refrigerant R22, and evaporating temperature lower than -15°C cylinder head fan must be installed. When the evaporating temperature below -25°C the compressor hydrojet system also must be installed.



Medium and High Temperature Air-Cooled Condensing Unit

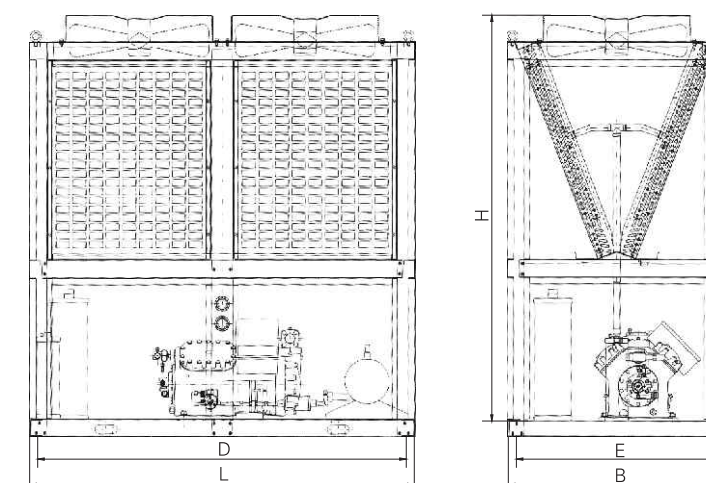
Semi-hermetic Series

Model of units			AMBF20MHB	AMBF25MHB	AMBF30MHB	AMBF35MHB	AMBF40MHB	AMBF50MHB
Applicable Temperature(°C)			-20~+5°C					
Refrigerant			R22					
Power supply			380V50HZ					
Condenser	Quantity of Fan(piece)		2	2	2	2	2	2
	Air volume(m³/h)		24400	30000	38000	39600	45000	57000
	Power of Fan(w)		1600	1500	2200	1650	2250	3300
Refrigerating capacity of compressor units	Evaporating Temperature -5°C	Cooling capacity(kw)	43.40	60.80	69.20	81.20	92.60	110.45
		power(kw)	16.15	19.85	24.30	31.40	38.40	44.28
	Evaporating Temperature -10°C	Cooling capacity(kw)	26.80	36.20	41.20	50.20	56.60	69.16
		power(kw)	12.20	15.50	18.35	23.80	28.00	32.24
	Evaporating Temperature -15°C	Cooling capacity(kw)	22.10	25.50	33.60	41.60	46.40	57.68
		power(kw)	11.05	14.80	16.50	21.60	25.00	28.74
Coupling	Tube coupling		3/4 "	3/4 "	3/4 "	7/8 "	7/8 "	1-1/8 "
	Suction coupling		1-5/8 "	2-1/8 "	2-1/8 "	2-1/8 "	2-1/8 "	2-5/8 "
Overall dimensions	(L) mm Length		1750	1900	2250	2650	2950	3400
	(B) mm Width		1000	1175	1175	1175	1175	1175
	(H) mm Height		1900	1980	1980	1980	1980	1980
Mounting dimensions	(D) mm Length		1050	1200	1550	1950	2250	2700
	(E) mm Width		920	1100	1100	1100	1100	1100

Standard configuration of units:compressor,condenser,lipuid receiver,pressure controller,pressuer gauge,filter,solenoid valve and wirring box,etc.

Note

- Cooling capacity in the form is calculated when the ambient temperature is 32°C.
- Configuration can be added according to custo mers' requirements.
- When the compressor uses refrigerant R22, and evaporating temperature lower than -15°C cylinder head fan must be installed. When the evaporating temperature below -25°C the compressor hydrojet system also must be installed.



Water-cooled units



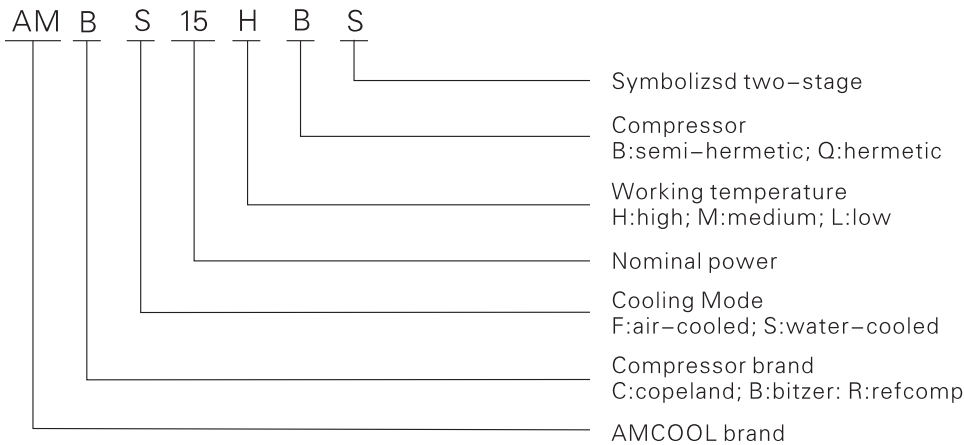
Applicaton

According to requirements of market development, our company has produced semi-hermetic air-cooled units and semi-hermetic box-type condensing units, in order to meet different demands ranging from -40°C to 12.5°C, this product is widely used in industries such as medical apparatus, food, bio-pharmacy and chemical, etc.

Feature

- Select international brand compressor, good quality, low noise and high reliability.
- Adopt copper tubes and aluminum fins condensers, high efficiency of heat exchange and long service life.
- The compressor unit can for use in many kinds of refrigerants such as R22, R134a, R404A, R407C;
- Excellent design for the driving parts and up to best reduced the vibration result;
- Construction compact, equipped with protect cover, stability, service life long and good looking.

Model description



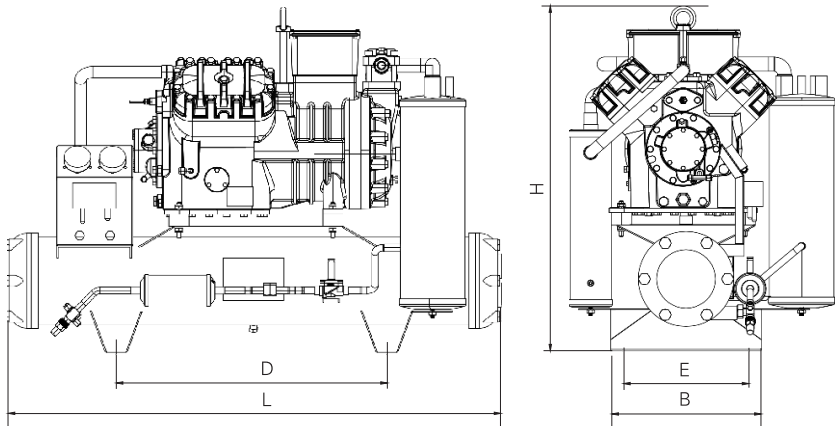
Medium and High Temperature Water-Cooled Condensing Unit
Semi-hermetic Series

Model of units		AMBS3MHB	AMBS4MHB	AMBS5MHB	AMBS8MHB	AMBS10MHB	AMBS15MHB
Applicable Temperature(°C)		-20~+5°C					
Refrigerant		R22					
Power supply		380V50HZ					
Condenser	Form	Shell and tube Condenser					
	Rated water flow(m³/h)	1.6	2	2.5	3.5	5	7
	Connection Size	2 "	2 "	2 "	2 "	2 "	2 "
Refrigerating capacity of compressor units	Evaporating Temperayure -5°C	Cooling capacity(kw)	6.64	8.28	10.58	15.27	21.36
		powr(kw)	2.73	3.58	4.12	5.48	8.28
	Evaporating Temperayure -15°C	Cooling capacity(kw)	4.08	5.13	6.86	9.45	13.19
		Powr(kw)	2.37	2.75	3.54	4.59	6.98
	Evaporating Temperayure -20°C	Cooling capacity(kw)	3..3	3.83	5.45	7.43	10.89
		powr(kw)	2.07	2.45	3.18	4.04	6.31
Coupling	Tube coupling	3/8 "	3/8 "	1/2 "	5/8 "	5/8 "	5/8 "
	Suction coupling	3/4 "	3/4 "	1 "	1-1/8 "	1-1/8 "	1-3/8 "
Overall dimensions	(L) mm Length	1130	1130	1130	1190	1190	1350
	(B) mm Width	370	370	370	370	370	370
	(H) mm Height	498	604	604	690	690	690
Mounting dimensions	(D) mm Length	510	510	510	670	670	800
	(E) mm Width	330	330	330	330	330	330

Standard configuration of units:compressor,shell and tube condenser,presure controller,presuer gauge,filter,solenoid valve and wirring box,etc.

Note

- Cooling capacity in the form is calculated when the condensingv temperature is 40°C.
- Configuration can be added according to custo mers' requirements.
- When the compressor uses refrigerant R22,the use of lower than-15°C evaporating temperature range, you must install the cylinderhead and the fan! When the evaporating temperature is below-25°C at the sametime, compressor hydrojet system also mustbe installed.



Medium and High Temperature Water-Cooled Condensing Unit

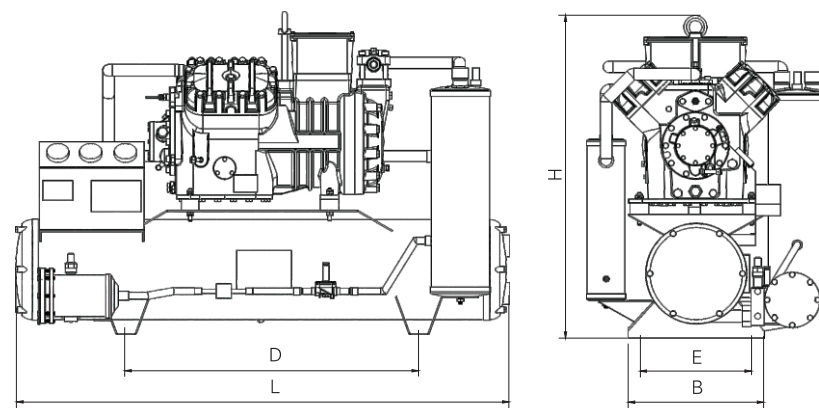
Semi-hermetic Series

Model of units		AMBS20MHB	AMBS25MHB	AMBS30MHB	AMBS35MHB	AMBS40MHB	AMBS50MHB
Applicable Temperature(°C)		-20~+5°C					
Refrigerant		R22					
Power supply		380V50HZ					
Condenser	Form	Shell and tube Condenser					
	Rated water flow(m³/h)	8	10	12	15	17	22
	Connection Size	2 "	2-1/2 "	2-1/2 "	2-1/2 "	2-1/2 "	2-1/2 "
Refrigerating capacity of compressor units	Evaporating Temperature +5°C	Cooling capacity(kw)	44.00	57.00	67.00	81.60	98.00
		power(kw)	12.40	16.00	19.45	24.70	29.30
	Evaporating Temperature -5°C	Cooling capacity(kw)	30.00	39.00	45.80	56.00	66.50
		Power(kw)	11.40	14.55	17.40	22.40	26.40
	Evaporating Temperature -15°C	Cooling capacity(kw)	19.90	25.33	29.30	37.00	42.67
		power(kw)	9.87	12.45	14.65	19.35	22.40
Coupling	Tube coupling	3/4 "	3/4 "	3/4 "	7/8 "	1-1/8 "	1-1/8 "
	Suction coupling	1-5/8 "	2-1/8 "	2-1/8 "	2-1/8 "	2-1/8 "	2-5/8 "
Overall dimensions	(L) mm Length	1350	1700	1700	1700	1700	1700
	(B) mm Width	440	440	440	440	440	440
	(H) mm Height	781	781	781	828	883	883
Mounting dimensions	(D) mm Length	800	1140	1140	1140	1140	1140
	(E) mm Width	400	400	400	400	400	400

Standard configuration of units:compressor,shell and tube condenser,pressure controller,pressuer gauge,filter,solenoid valve and wirring box,etc.

Note

- Cooling capacity in the form is calculated when the condensing temperature is 40°C.
- Configuration can be added according to custo mers' requirements.
- When the compressor uses refrigerant R22,the use of lower than-15°C evaporating temperature range, you must install the cylinderhead and the fan! When the evaporating temperature is below-25°C at the sametime, compressor hydrojet system also mustbe installed.



Medium and low Temperature Air-Cooled Condensing Unit

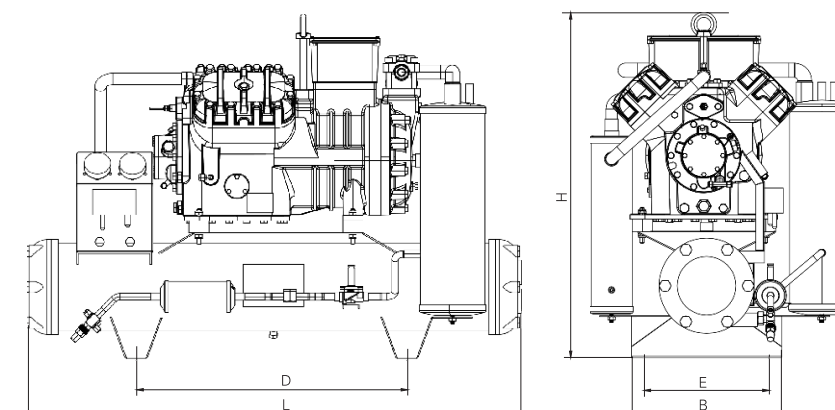
Semi-hermetic Series

Model of units		AMBS3MLB	AMBS5MLB	AMBS8MLB	AMBS10MLB	AMBS15MLB
Applicable Temperature(°C)		-40~-5°C				
Refrigerant		R22				
Power supply		380V50HZ				
Condenser	Form	Shell and tube Condenser				
	Rated water flow(m³/h)	1	1.1	2	2	3
	Connection Size	2 "	2 "	2 "	2 "	2 "
Refrigerating capacity of compressor units	Evaporating Temperature -15°C	Cooling capacity(kw)	5.14	6.38	7.74	11.50
		power(kw)	1.93	2.77	3.35	5.07
	Evaporating Temperature -25°C	Cooling capacity(kw)	3.31	4.07	5.07	7.27
		power(kw)	1.96	2.19	2.69	4.34
	Evaporating Temperature -35°C	Cooling capacity(kw)	1.89	2.32	3.00	3.95
		power(kw)	1.44	1.58	2.02	3.00
Coupling	Tube coupling	3/8 "	3/8 "	3/8 "	1/2 "	5/8 "
	Suction coupling	7/8 "	7/8 "	1-1/8 "	1-1/8 "	1-3/8 "
Overall dimensions	(L) mm Length	1130	1130	1190	1190	1350
	(B) mm Width	370	370	370	370	370
	(H) mm Height	578	748	779	779	779
Mounting dimensions	(D) mm Length	510	510	670	670	800
	(E) mm Width	330	330	330	330	330

Standard configuration of units:compressor,shell and tube condenser,pressure controller,pressuer gauge,filter,solenoid valve and wirring box,etc.

Note

- Cooling capacity in the form is calculated when the condensing temperature is 40°C.
- Configuration can be added according to custo mers' requirements.
- When the compressor uses refrigerant R22,the use of lower than-15°C evaporating temperature range, you must install the cylinderhead and the fan! When the evaporating temperature is below-25°C at the sametime, compressor hydrojet system also mustbe installed.



Medium and low Temperature Air-Cooled Condensing Unit

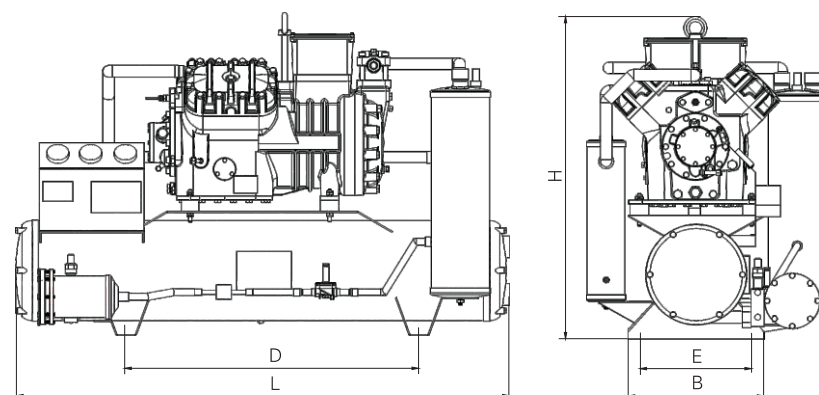
Semi-hermetic Series

Model of units		AMBS20MLB	AMBS25MLB	AMBS30MLB	AMBS35MLB	AMBS40MLB	AMBS50MLB
Applicable Temperature(°C)		-40~-5°C					
Refrigerant		R22					
Power supply		380V50HZ					
Condenser	Form	Shell and tube Condenser					
	Rated water flow(m³/h)	4	6	7	9	10	13
	Connection Size	2 "	2-1/2 "	2-1/2 "	2-1/2 "	2-1/2 "	2-1/2 "
Refrigerating capacity of compressor units	Evaporating Temperature -15°C	Cooling capacity(kw)	21.60	28.20	32.20	42.80	48.40
		power(kw)	9.50	13.00	15.00	19.75	23.10
	Evaporating Temperature -25°C	Cooling capacity(kw)	14.20	18.60	21.30	28.10	31.80
		Power(kw)	85.86	10.45	11.90	15.85	18.10
	Evaporating Temperature -35°C	Cooling capacity(kw)	6.42	11.20	12.70	16.50	19.10
		power(kw)	6.08	7.82	8.86	11.80	13.40
Coupling	Tube coupling	5/8 "	5/8 "	3/4 "	3/4 "	7/8 "	7/8 "
	Suction coupling	1-3/8 "	1-5/8 "	2-1/8 "	2-1/8 "	2-1/8 "	2-5/8 "
Overall dimensions	(L) mm Length	1350	1700	1700	1700	1700	1700
	(B) mm Width	440	440	440	440	440	440
	(H) mm Height	766	776	781	781	883	883
Mounting dimensions	(D) mm Length	800	1140	1140	1140	1140	1140
	(E) mm Width	400	400	400	400	400	400

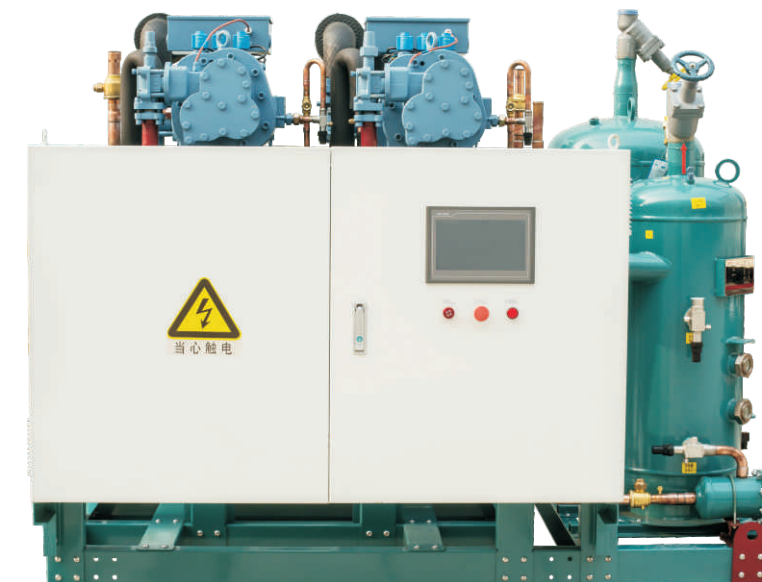
Standard configuration of units:compressor,shell and tube condenser,pressure controller,pressure gauge,filter,solenoid valve and wiring box,etc.

Note

- Cooling capacity in the form is calculated when the condensing temperature is 40°C.
- Configuration can be added according to customers' requirements.
- When the compressor uses refrigerant R22,the use of lower than-15°C evaporating temperature range, you must install the cylinderhead and the fan! When the evaporating temperature is below-25°C at the same time, compressor hydrojet system also must be installed.



Screw-type condensing unit



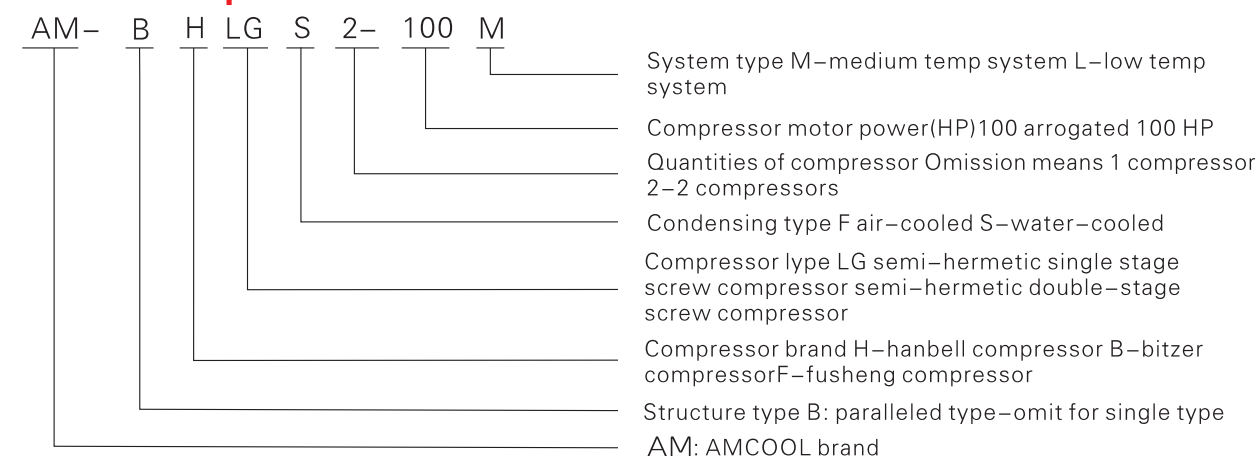
Applicaton

The screw condensing unit is one of the series of refrigeration products developed by our company. The unit consists of high, medium and low temperature series. It can be used in refrigeration systems with evaporation temperature of -40 °C~+10 °C or lower. It is widely used in freezing. Refrigeration, medical machinery, food, bio-pharmaceutical, chemical and other industries.

Feature

- optional semi-hermetic screw compressor include BITZERGERMANY. HANBELL TAIWAN FUSHENG TAIWAN, feature inhigh-efficiency, long-durability, low-noise, less-vibration.
- Multi-level energy adjustment according to differentiated refrigerationburden, energy-saving is possible.
- Excellent configuration, major refrigeration and electronic componentsare all big brand, reliable and high performance can be assured.
- Mediumand lowtemp unit installed economizer, aising efficiency and loweringthe cost
- Compact and smart structure design, less space will be occupied in workingarea, convenient installation and operation,
- Optional refrigerants are R22 and R404A, compressors in a paralleledunit no more than 7 purchase,

Model description



Medium Temperature single Screw unit refringiration capacity
R22 Watt(50Hz 380v)

Model of units	Condensing temperature (°C)	↓	Capacity Qo(kw)		Power Consumption pe(kw)				
			Evaporating temperature(°C)						
			0	-10	-20	-30	-35	-40	-45
AM-HLGS-40M	40	Qo	106	71.6	57.0	36.1			
		Pe	30.2	27.7	28.3	26.4			
AM-HLGF-40M	45	Qo	98.7	66.2	54.7	34.5			
		Pe	32.9	30.2	31.4	28.7			
AM-HLGS-50M	40	Qo	139.2	94.1	74.9	38.1			
		Pe	37.8	34.7	35.5	29.4			
AM-HLGF-50M	45	Qo	129.7	87.0	71.9	45.3			
		Pe	41.2	37.8	39.4	36.8			
AM-HLGS-60M	40	Qo	151.6	102.4	81.5	51.7			
		Pe	41.5	38.0	38.9	36.4			
AM-HLGF-60M	45	Qo	141.2	94.7	78.3	49.3			
		Pe	45.2	41.5	43.2	40.3			
AM-HLGS-70M	40	Qo	184.8	124.9	99.4	63.0			
		Pe	50.5	46.3	47.3	44.3			
AM-HLGF-70M	45	Qo	172.1	115.4	95.4	60.1			
		Pe	51.1	50.5	52.5	49.1			
AM-HLGS-80M	40	Qo	202.8	137.1	109.1	69.2			
		Pe	55.0	50.4	51.6	48.2			
AM-HLGF-80M	45	Qo	188.9	126.7	104.7	66.0			
		Pe	60.0	55.0	57.2	53.5			
AM-HLGS-90M	40	Qo	239.2	161.7	128.7	81.7			
		Pe	61.9	56.8	58.1	54.3			
AM-HLGF-90M	45	Qo	222.8	149.6	123.6	78.1			
		Pe	67.5	62.0	64.5	60.2			
AM-HLGS-100M	40	Qo	252.7	170.9	136.0	86.4			
		Pe	65.1	59.7	61.1	57.1			
AM-HLGF-100M	45	Qo	235.4	158.1	130.6	82.5			
		Pe	71.0	65.2	67.8	63.3			
AM-HLGS-105M	40	Qo	276.5	186.9	148.8	94.5			
		Pe	71.7	56.8	67.2	62.9			
AM-HLGF-105M	45	Qo	257.6	172.9	142.9	90.2			
		Pe	76.2	71.8	74.6	69.7			
AM-HLGS-110M	40	Qo	299.3	202.3	161.1	102.2			
		Pe	78.2	71.8	73.4	68.6			
AM-HLGF-110M	45	Qo	278.8	187.1	154.6	97.6			
		Pe	85.3	78.3	81.4	76.0			
AM-HLGS-120M	40	Qo	329.4	222.7	177.3	112.5			
		Pe	87.0	79.8	81.6	76.3			
AM-HLGF-120M	45	Qo	306.9	205.9	170.2	107.4			
		Pe	94.9	87.0	90.5	84.5			

Notes:

- Evaporating temperature >= -10°C, running with economizer; Evaporating temperature =< -20°C.running with economizer.
- Compressor brand is optiona.

Low Temperature single Screw unit refringiration capacity
R22 Watt(50Hz 380v)

Model of units	Condensing temperature (°C)	↓	Capacity Qo(kw)		Power Consumption pe(kw)				
			Evaporating temperature(°C)						
			0	-10	-20	-30	-35	-40	-45
AM-BLGS-50L	40	Qo				52.5	42.3	33.3	25.5
		Pe				34.0	32.8	31.5	30.2
AM-BLGF-50L	45	Qo				50.6	40.5	31.7	24.0
		Pe				37.6	36.3	34.9	33.4
AM-BLGS-60L	40	Qo				63.7	50.7	39.5	29.8
		Pe				41.7	40.3	39.0	37.8
AM-BLGF-60L	45	Qo				61.0	48.4	37.4	27.9
		Pe				46.6	45.0	43.5	42.0
AM-BLGS-70L	40	Qo				72.3	58.1	45.8	35.1
		Pe				46.2	44.7	43.1	41.5
AM-BLGF-70L	45	Qo				69.6	55.7	43.5	33.0
		Pe				51.0	49.3	47.5	45.6
AM-BLGS-75L	40	Qo				78.3	63.1	49.8	38.3
		Pe				49.4	47.6	45.9	44.1
AM-BLGF-75L	45	Qo				75.3	60.4	47.4	36.1
		Pe				54.5	52.7	50.8	48.8
AM-BLGS-125L	40	Qo				132.6	107.2	85.1	66.1
		Pe				78.3	74.6	70.9	66.9
AM-BLGF-125L	45	Qo				127.5	102.4	80.6	61.7
		Pe				86.5	82.3	77.8	72.9

Notes:

- Based on suction temperature overheat 10k; running with economizer.
- Comperessor brand is optional.

Medium Temperature single Screw unit refringiration capacity
R404A Watt(50Hz 380v)

Model of units	Condensing temperature (°C)	↓	Capacity Qo(kw)		Power Consumption pe(kw)				
			Evaporating temperature(°C)						
			0	-10	-20	-30	-35	-40	-45
AM-HLGS-40M	40	Qo	101.7	68.2	62.3	40.4			
		Pe	33.9	31.6	34.7	31.2			
AM-HLGF-40M	45	Qo	91.2	59.4	57.8	36.			
		Pe	38.2	35.3	39.6	33.7			
AM-HLGS-50M	40	Qo	132.3	88.7	81.0	52.6			
		Pe	43.1	40.1	44.2	40.0			
AM-HLGF-50M	45	Qo	118.6	77.3	75.1	46.8			
		Pe	48.5	44.8	50.4	43.2			
AM-HLGS-60M	40	Qo	146.3	98.1	89.5	58.2			
		Pe	48.2	45.0	49.5	44.5			
AM-HLGF-60M	45	Qo	131.1	85.4	83.1	51.7			
		Pe	54.3	50.2	56.4	48.2			
AM-HLGS-70M	40	Qo	176.3	118.2	107.9	70.1			
		Pe	56.4	52.5	57.8	53.3			
AM-HLGF-70M	45	Qo	158.0	103.0	100.1	63.9			
		Pe	63.5	58.7	65.9	57.0			
AM-HLGS-80M	40	Qo	197.5	132.5	120.9	78.5			
		Pe	63.4	59.1	65.0	60.0			
AM-HLGF-80M	45	Qo	177.1	115.4	112.2	71.6			
		Pe	71.4	66.0	74.1	64.0			
AM-HLGS-90M	40	Qo	227.8	152.8	139.4	90.6			
		Pe	72.2	67.3	74.0	68.3			
AM-HLGF-90M	45	Qo	204.2	135.2	129.4	82.6			
		Pe	81.3	75.1	84.4	73.2			
AM-HLGS-100M	40	Qo	240.8	161.5	147.4	95.7			
		Pe	75.9	70.7	77.8	71.8			
AM-HLGF-100M	45	Qo	215.9	142.9	136.8	87.3			
		Pe	85.5	79.0	88.8	77.2			
AM-HLGS-105M	40	Qo	263.6	176.7	161.3	104.8			
		Pe	83.4	77.8	85.6	78.9			
AM-HLGF-105M	45	Qo	236.3	156.4	149.7	95.6			
		Pe	94.0	86.8	97.6	84.7			
AM-HLGS-110M	40	Qo	290.4	194.7	177.7	115.4			
		Pe	90.8	84.6	93.1	85.9			
AM-HLGF-110M	45	Qo	260.3	172.3	164.9	105.3			
		Pe	102.3	94.5	106.2	92.6			
AM-HLGS-120M	40	Qo	313.4	210.1	191.8	124.6			
		Pe	99.5	92.7	102.0	94.1			
AM-HLGF-120M	45	Qo	280.9	186.0	178.0	113.6			
		Pe	112.1	103.5	116.3	100.8			

Notes:

- Evaporating temperature >= -10°C, running with economizer; Evaporating temperature =< -20°C.running with economizer.
- Compressor brand is optiona.

Low Temperature single Screw unit refringiration capacity
R404A Watt(50Hz 380v)

Model of units	Condensing temperature (°C)	↓	Capacity Qo(kw)		Power Consumption pe(kw)				
			Evaporating temperature(°C)						
			0	-10	-20	-30	-35	-40	-45
AM-BLGS-50L	40	Qo				57.2	46.7	37.5	29.5
		Pe				40.8	39.0	37.2	35.4
AM-BLGF-50L	45	Qo				54.5	44.5	35.6	27.9
		Pe				45.3	43.4	41.5	39.8
AM-BLGS-60L	40	Qo				69.0	55.7	44.2	34.2
		Pe				50.0	48.9	47.6	46.1
AM-BLGF-60L	45	Qo				65.2	52.7	41.7	32.2
		Pe				55.9	54.7	53.4	51.9
AM-BLGS-70L	40	Qo				78.7	63.9	51.0	39.9
		Pe				53.4	51.5	49.6	47.7
AM-BLGF-70L	45	Qo				74.8	60.7	48.4	37.8
		Pe				59.5	57.6	55.6	53.4
AM-BLGS-75L	40	Qo				82.9	67.7	54.5	43.0
		Pe				58.1	55.5	53.0	50.7
AM-BLGF-75L	45	Qo				78.5	64.1	51.5	40.5
		Pe				64.2	61.5	59.1	56.8
AM-BLGS-125L	40	Qo				137.7	112.3	90.3	71.2
		Pe				91.5	87.5	83.9	80.7
AM-BLGF-125L	45	Qo				129.2	104.9	83.7	65.2
		Pe				100.5	96.2	92.2	88.2

Notes:

- Based on suction temperature overhear 10k; running with economizer.
- Comperessor brand is optional.

Medium Temperature single Screw unit refringiration capacity
R22 Watt(50Hz 380v)

Model of units	Condensing temperature (°C)	↓	Capacity Qo(kw)		Power Consumption pe(kw)				
			Evaporating temperature(°C)						
			0	-10	-20	-30	-35	-40	-45
AM-BHLGS2 -120M	40	Qo	303.2	204.8	163.0	103.4			
		Pe	83.0	76.0	77.8	72.8			
AM-BHLGF2 -120M	45	Qo	282.4	189.4	156.6	98.6			
		Pe	90.4	83.0	86.4	80.6			
AM-BHLGS2 -160M	40	Qo	405.6	274.2	218.2	138.4			
		Pe	110.0	100.8	103.2	94.6			
AM-BHLGF2 -160M	45	Qo	377.8	253.4	209.4	132.0			
		Pe	120.0	110.0	114.4	107.0			
AM-BHLGS2 -200M	40	Qo	505.4	341.8	272.0	172.8			
		Pe	130.2	119.4	122.2	114.2			
AM-BHLGF2 -200M	45	Qo	470.8	316.2	261.2	165.0			
		Pe	142.0	130.4	135.6	126.6			
AM-BHLGS3 -240M	40	Qo	608.4	411.3	327.3	207.6			
		Pe	165.0	151.2	154.8	144.6			
AM-BHLGF3 -240M	45	Qo	566.7	380.1	314.1	198.0			
		Pe	180.0	165.0	171.6	160.5			
AM-BHLGS3 -270M	40	Qo	717.6	485.1	386.1	245.1			
		Pe	185.7	170.4	174.3	162.9			
AM-BHLGF3 -270M	45	Qo	668.4	448.8	370.8	234.3			
		Pe	202.5	186.0	193.5	180.6			
AM-BHLGS4 -440M	40	Qo	1197.2	809.2	644.4	408.8			
		Pe	312.8	287.2	293.6	274.4			
AM-BHLGF4 -440M	45	Qo	1115.2	748.4	618.4	390.4			
		Pe	341.2	316.2	325.6	304.0			

Notes:

- Evaporating temperature >=10°C, running wth economizer; Evaporating temperature= < -20°C, running with econmizer.
- Comperessor brand is optional.

Low Temperature paralleled Screw unit refringiration capacity
R22 Watt(50Hz 380v)

Model of units	Condensing temperature (°C)	↓	Capacity Qo(kw)		Power Consumption pe(kw)				
			Evaporating temperature(°C)						
			0	-10	-20	-30	-35	-40	-45
AM-BBLGS2 -140L	40	Qo				144.6	116.2	91.6	70.2
		Pe				92.4	89.4	86.2	83.0
AM-BBLGF2 -140L	45	Qo				139.2	111.4	87.0	66.0
		Pe				102.0	98.6	95.0	91.2
AM-BBLGS3 -225L	40	Qo				234.9	189.3	149.4	144.9
		Pe				148.2	142.8	137.7	132.3
AM-BBLGF3 -225L	45	Qo				225.9	181.2	142.2	108.3
		Pe				163.5	158.1	152.4	146.4
AM-BBLGS3 -375L	40	Qo				397.8	321.6	255.3	198.3
		Pe				234.9	223.8	212.7	200.7
AM-BBLGF3 -375L	45	Qo				382.5	307.2	241.8	185.1
		Pe				259.5	246.9	233.4	218.7
AM-BBLGS4 -300L	40	Qo				313.2	252.4	199.2	153.2
		Pe				197.6	190.4	183.6	176.4
AM-BBLGF4 -300L	45	Qo				301.2	241.6	189.6	144.4
		Pe				218.0	210.8	203.2	195.2
AM-BBLGS4 -500L	40	Qo				530.4	428.8	340.4	264.4
		Pe				313.2	298.4	283.6	267.6
AM-BBLGF4 -500L	45	Qo				510.0	409.6	322.4	246.8
		Pe				346.0	329.2	311.2	291.6
AM-BBLGS5 -625L	40	Qo				663.0	536.0	425.5	330.5
		Pe				391.5	373.0	354.5	334.5
AM-BBLGF5 -625L	45	Qo				637.5	512.0	403.0	308.5
		Pe				432.5	411.5	389.0	364.5

Notes:

- Based on suction temperature overheat 10k; water-cooled unit running with economizer when k temperature exist between inputed and outputted water.
- Comperessor brand is optional.

Medium Temperature single Screw unit refringiration capacity
R404A Watt(50Hz 380v)

Model of units	Condensing temperature (°C)	↓	Capacity Qo(kw)		Power Consumption pe(kw)				
			Evaporating temperature(°C)						
			0	-10	-20	-30	-35	-40	-45
AM-BHLGS2 -120M	40	Qo	292.6	196.2	179.0	116.4			
		Pe	96.4	90.0	99.0	89.0			
AM-BHLGF2 -120M	45	Qo	262.2	170.8	166.2	103.4			
		Pe	108.6	100.4	112.8	96.4			
AM-BHLGS2 -160M	40	Qo	395.0	265.0	241.8	157.0			
		Pe	126.8	118.2	130.0	120.0			
AM-BHLGF2 -160M	45	Qo	354.2	230.8	224.4	143.2			
		Pe	142.8	132.0	148.2	128.0			
AM-BHLGS2 -200M	40	Qo	481.6	323.0	294.8	191.4			
		Pe	151.8	141.4	155.6	143.6			
AM-BHLGF2 -200M	45	Qo	431.8	285.8	273.6	174.6			
		Pe	171.0	158.0	177.6	154.4			
AM-BHLGS3 -240M	40	Qo	592.5	397.5	362.7	235.5			
		Pe	190.2	177.3	195.0	180.0			
AM-BHLGF3 -240M	45	Qo	531.3	346.2	336.6	214.8			
		Pe	214.2	198.0	222.3	192.0			
AM-BHLGS3 -270M	40	Qo	683.4	485.4	418.2	271.8			
		Pe	216.6	201.9	222.0	204.9			
AM-BHLGF3 -270M	45	Qo	612.6	405.6	388.2	247.8			
		Pe	243.9	225.3	235.2	219.6			
AM-BHLGS4 -440M	40	Qo	1161.6	778.8	710.8	461.6			
		Pe	363.2	338.4	372.4	343.6			
AM-BHLGF4 -440M	45	Qo	1041.2	689.2	659.6	421.2			
		Pe	409.2	378.0	424.8	370.4			

Notes:

- Evaporating temperature >=10℃, running with economizer; Evaporating temperature= < -20℃, running with econmizer.
- Comperessor brand is optional.

Low Temperature paralleled Screw unit refringiration capacity
R404A Watt(50Hz 380v)

Model of units	Condensing temperature (°C)	↓	Capacity Qo(kw)		Power Consumption pe(kw)				
			Evaporating temperature(°C)						
			0	-10	-20	-30	-35	-40	-45
AM-BBLGS2 -140L	40	Qo				157.4	127.8	102.0	79.8
		Pe				106.8	103.0	99.2	95.4
AM-BBLGF2 -140L	45	Qo				149.6	121.4	96.8	75.6
		Pe				119.0	115.2	111.2	106.8
AM-BBLGS3 -225L	40	Qo				248.7	203.1	163.5	129.0
		Pe				174.3	166.5	159.0	152.1
AM-BBLGF3 -225L	45	Qo				235.5	192.3	154.5	121.5
		Pe				192.6	184.5	177.3	170.4
AM-BBLGS3 -375L	40	Qo				413.1	336.9	270.9	213.6
		Pe				274.5	262.5	251.7	242.1
AM-BBLGF3 -375L	45	Qo				387.6	314.7	251.1	195.6
		Pe				301.5	288.6	276.6	264.6
AM-BBLGS4 -300L	40	Qo				331.6	270.8	218.0	172.0
		Pe				232.4	222.0	212.0	202.8
AM-BBLGF4 -300L	45	Qo				314.0	256.4	206.0	162.0
		Pe				256.8	246.0	236.4	227.2
AM-BBLGS4 -500L	40	Qo				550.8	449.2	361.2	284.8
		Pe				366.0	350.0	335.6	322.8
AM-BBLGF4 -500L	45	Qo				516.8	419.6	334.6	260.8
		Pe				402.0	384.8	368.8	352.8
AM-BBLGS5 -625L	40	Qo				688.5	561.5	451.5	356.0
		Pe				457.5	437.5	419.5	403.5
AM-BBLGF5 -625L	45	Qo				646.0	524.5	418.5	326.0
		Pe				502.5	481.0	461.0	441.0

Notes:

- Based on suction temperature overheat 10k; water-cooled unit running with economizer when k temperature exist between inputed and outputted water.
- Comperessor brand is optional.

Ice machine

Flake Ice Machine



Applicaton

The AMCOOL flake ice machine is controlled by fully automatic microcomputer, and the components are all well-known brands in the industry. According to the daily ice production, the small-scale ice machine produces ice from 0.3–3ton/day, the medium-sized ice machine produces 4–15ton/day and the large-scale ice machine produces 20–40ton/day. It is widely used in freezing, Refrigeration, medical machinery, food, bio-pharmaceutical, chemical and other industries.

Feature

- As its flat and thin shape, it has got the largest contact area among all types of ice. The larger itscontact area is, the faster it cools other stuff.
- Perfect in food cooling: Flake ice is type of dry and crispy ice, it hardly forms any shape edges, infood cooling process, this nature has made it the best material for cooling, it can reduce thepossibility of damage to food to the lowest rate.
- Thoroughly mixing: Flake ice can become water quickly through the rapid heat exchanging withproducts, and also supply the moisture for products to be cooled.
- Flake ice low temperature: $-5^{\circ}\text{C}\sim-8^{\circ}\text{C}$: Flake ice thickness: 1.8–2.5 mm, can be used directly forfood fresh without ice crusher any more, saving cost.
- Fast ice making speed: Can produce ice within 3 minutes after starting it, do not need extraperson to take off and get the ice.

Model description



Technical parameters of Small commercial flake ice machine

Model of units	Compressor power (HP)	Daily output (t/24h)	Ref. Capacity (Kw)	Total power (Kw)	Standard cooling mode	power supply	Refring erant	Unit N.W (Kg)	Unit size L×W×H (mm)	Bin size L×W×H (mm)
AMP-03T	1.5	0.3	1.29	1.49	Air cooling	1P/220V/50Hz	R22/R404a	165	780×750×660	780×890×900
AMP-05T	3	0.5	2.58	2.37		3P/380V/50Hz	R404a	215	1310×890×805	1320×1182×1100
AMP-1T	5	1.0	5.16	4.11				242	1310×970×905	1320×1262×1100
AMP-1.5T	9	1.5	7.74	7.29				360	1310×970×1005	1320×1262×1100
AMP-2T	10	2.0	10.32	8.31				440	1500×1095×1050	1500×1382×1300
AMP-2.5T	12	2.5	12.91	10.50				510	1650×1190×1410	1650×1482×1300
AMP-3T	15	3.0	15.48	11.59				560	1750×1190×1410	1750×1190×1600

Technical parameters of Medium-size industry flake ice machine

Model of units	Compressor power (HP)	Daily output (t/24h)	Ref. Capacity (Kw)	Total power (Kw)	Standard cooling mode	power supply	Refring erant	Unit N.W (Kg)	Unit size L×W×H (mm)	Bin size L×W×H (mm)
AMP-4T	20	4.0	20.64	18.49	Air cooling	3P/380V/50Hz	R404a	672	1850×1700×1555	2000×1700×1800
AMP-5T	25	5.0	25.80	23.20				780	1850×1700×1695	2000×2000×1800
AMP-6T	30	6.0	30.96	27.31				845	1850×1700×1695	2000×2000×1800
AMP-8T	40	8.0	41.28	35.24				1020	2340×1750×1720	2600×2000×2000
AMP-10T	50	10.0	51.60	41.84			R22	1640	2870×1900×1880	2600×2300×2200
AMP-12T	55	12.0	61.92	45.34				1940	3000×2000×1880	2800×2500×2200
AMP-15T	60	15.0	83.85	53.42				2250	3900×2150×1920	3000×2800×2200

Technical parameters of Large-scale industry flake ice machine

Model of units	Compressor power (HP)	Daily output (t/24h)	Ref. Capacity (Kw)	Total power (Kw)	Standard cooling mode	power supply	Refring erant	Unit N.W (Kg)	Unit size L×W×H (mm)	Bin size L×W×H (mm)
AMP-20T	80	20.0	111.80	66.29	Air cooling	3P/380V/50Hz	R22	3160	3900×2150×2240	3500×3000×2500
AMP-25T	100	25.0	139.75	84.59				3140	3900×2150×2490	4000×3000×2500
AMP-30T	130	30.0	167.70	112.32				3440	5000×2140×2555	4000×3500×2500
AMP-40T	160	40.0	240.80	134.50				4860	6300×2200×2240	5000×4000×2500

Note:

- Standard refrigerant: R404A, can be designed to be R22 according to customers' request.
- Standard condition: ambient temperature 25°C , water inlet temperature 15°C , evaporating temperature -22°C , condensing temperature 40°C .
- Above metioned parameters will be changed subject to technical invotation without further notice



