

冷凝器

Air Condenser



冷凝器基于JB_T 7659.4-2013 氟代烃类制冷装置用辅助设备 第4部分_翅片式换热器设计标准。冷凝芯体采用铝镁合金板材做支撑，外壳采用镀锌板加防紫外线室外喷塑，铝箔采用防腐亲水铝箔，有蓝色、金色、黑色可选。冷凝器芯体采用9.52内螺纹管，统一片距2.12mm波纹片设计，根据迎面风速调整风机的风量，以达到最佳的换热效率。

Zhexue air condenser is design under the fin type heat exchange standard JB_T 7659.4-2013 . condenser coils is supported by the aluminum sheet, and casing material is sprayed galvanized sheet. We have 3 colors for the anti-corrosion to choose , blue, golden and black. We use 9.52mm inner grooved copper pipes and 2.12mm V type alu. Fin to get the best heat transfer capacity.

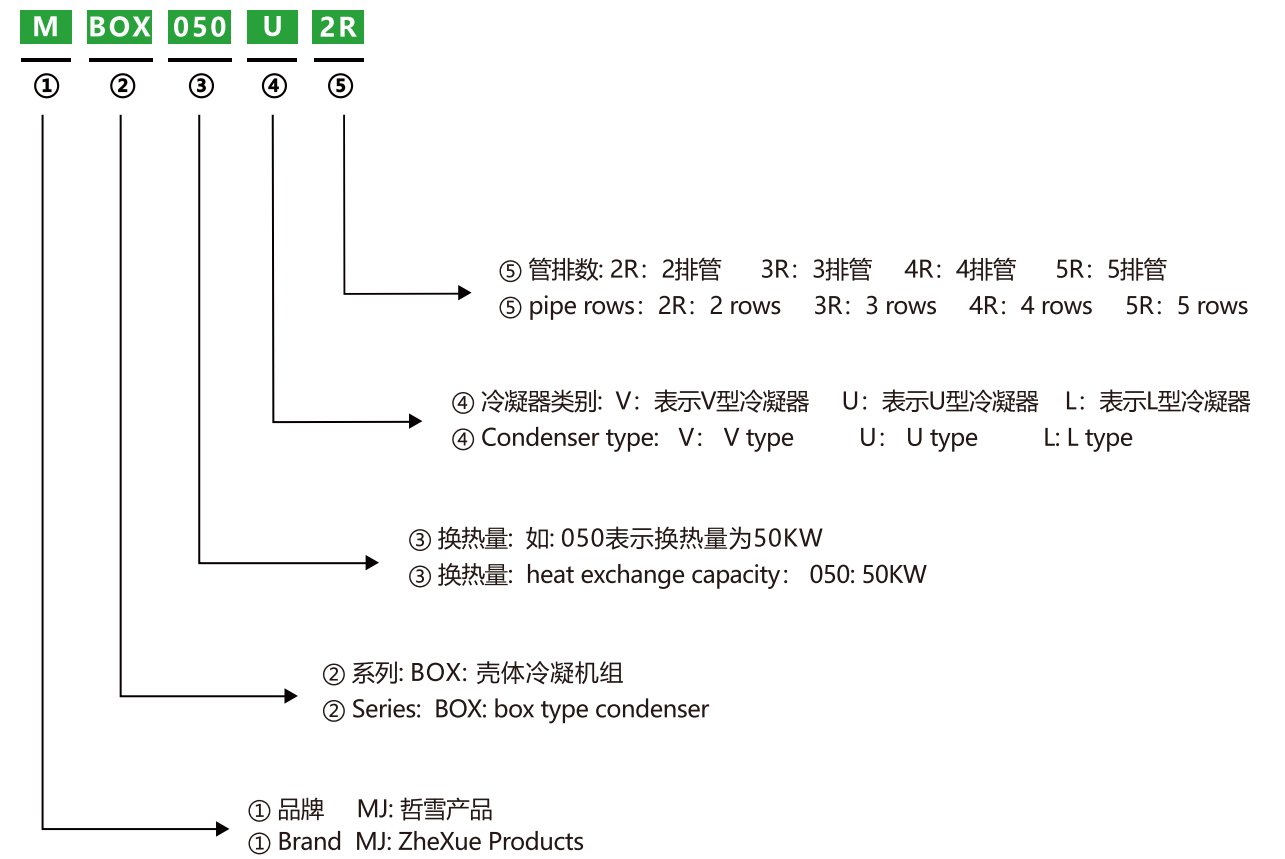
产品特点 Product feature

- **内螺纹铜管**..... 氟侧换热效率提升
Inner grooved copper tube to further improve the heat exchange efficiency on the Freon side
- **V型波翅片**..... 风侧换热效率提升
V wave type fin to further improve the heat exchange efficiency on the air side
- **机械胀管**..... 铜管与翅片导热更好
Mechanical tube expansion to improve the heat exchange between the tubes and fins, and less the leakage possibility
- **管回路优化**..... 制冷剂放热更充分
Optimized Pipe circuit to make the refrigerant use
- **总计**: 换热系数提升可达20.5%
Totally: the heat exchange coefficient could be improved 20.5% higher

注: 换热容量基于环境温度32°C, 冷凝温度45°C, R22 排气温度95°C, R404A 排气温度62°C, 电制380V-3P- 50Hz
Note: Heat exchange capacity is based on environmental temp. 32°C, condensing temp. 45°C, the discharge temp.of R22 is 95°C, the discharge temp. of R404A is 62°C, voltage is 380V/3P-/50Hz

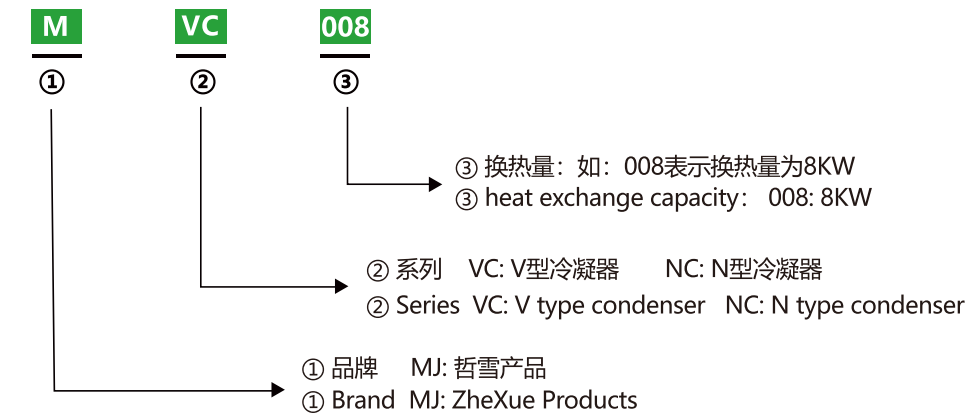
箱体体冷凝器产品命名规则

Model Description



V型冷凝器产品命名规则

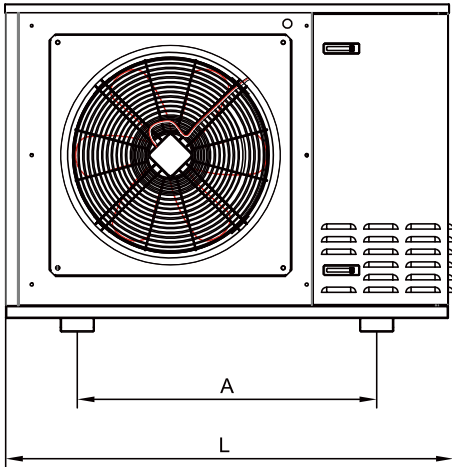
Model Description



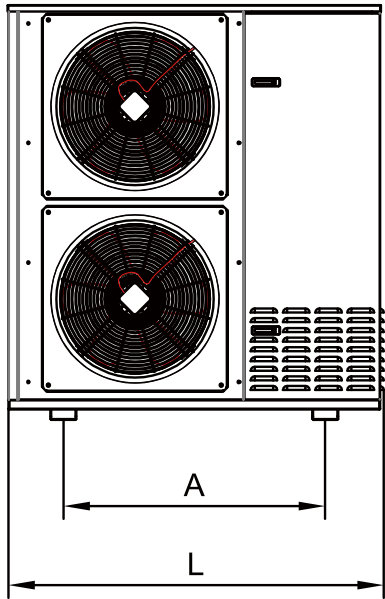
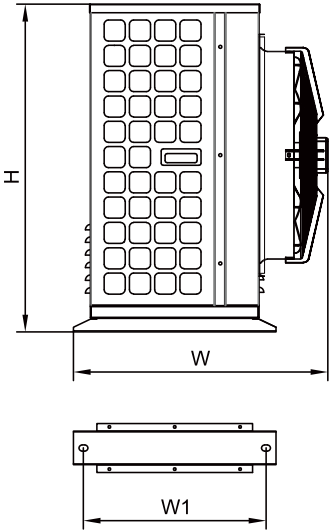
L型风冷冷凝一体机壳体
L type air cooled condenser with box casing

L型风冷冷凝一体机壳体 L type air cooled condenser with box casing												
型号 Model	散热量 heat exchange capacity				风扇 直径 Dia. mm	风扇 数量 Fan Qty	风机参数电源 fan motor		换热面积(m²) heat exchanger (㎡)	风机 极数 poles	噪音 noise	重量 weight
	ΔT=15k	ΔT=10k	ΔT=8k	风量 air flow rate			总功率 total power	运行电流 total running current				
	kW	kW	kW	m³/h								
	R404A	R404A	R404A								kW	A
MBOX012L2R	12.9	8.4	6.6	5850	450	1	0.37	0.75	24.7	4极	56	54
MBOX016L3R	16.2	10.5	8.3	5550	450	1	0.37	0.75	35.5	4极	56	62
MBOX025L2R	25.3	16.5	13	11600	450	2	0.74	1.5	46.5	4极	58	93
MBOX032L3R	32	20.8	16.4	11100	450	2	0.74	1.5	68	4极	58	104
MBOX045L2R	45.7	29.7	23.5	22100	450	4	1.48	3	73.5	4极	62	176
MBOX056L3R	56.9	37	29.2	20700	450	4	1.48	3	110.2	4极	62	194

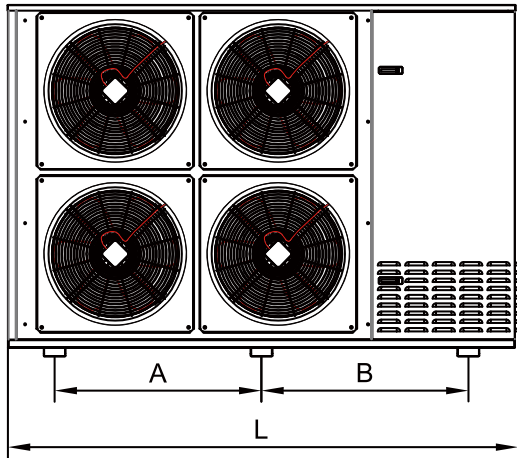
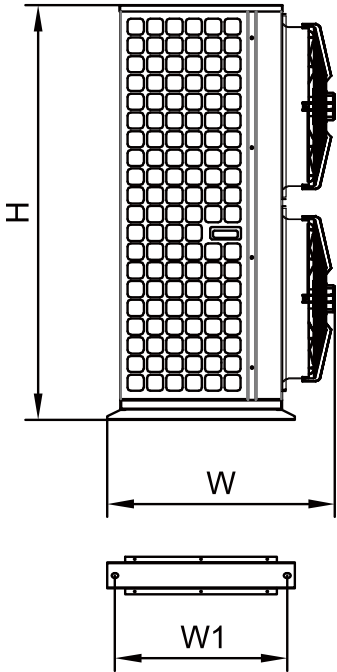
整机外形尺寸表 overall size							
No.	型号 Model	L(mm)	W(mm)	H(mm)	B(mm)	A(mm)	W1(mm)
1	MBOX012L	1062	630	777	/	710	433
2	MBOX016L	1062	630	777	/	710	433
3	MBOX025L	1162	730	1283	/	810	533
4	MBOX032L	1162	730	1283	/	810	533
5	MBOX045L	1862	730	1283	755	755	533
6	MBOX056L	1862	730	1283	755	755	533



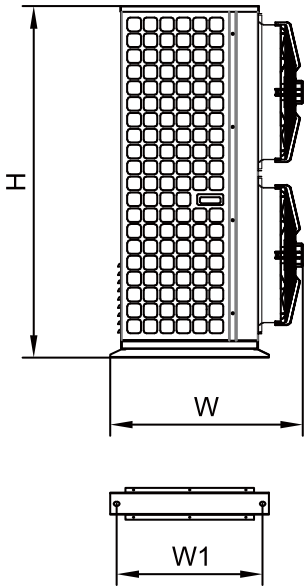
450-1 Model



450-2 Model



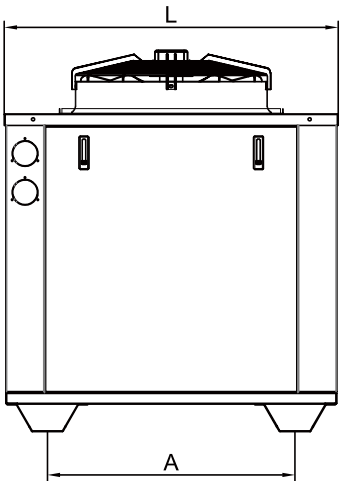
450-4 Model



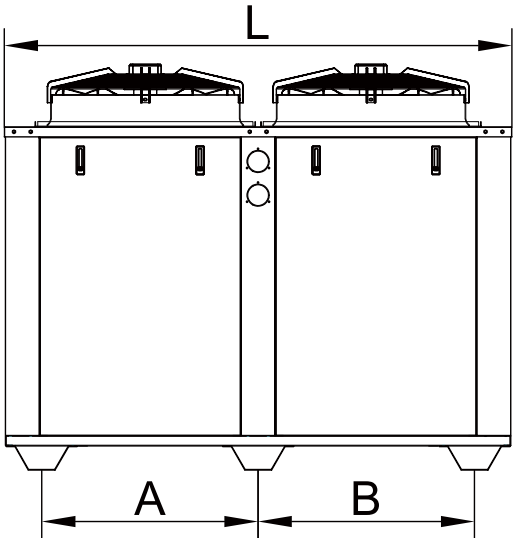
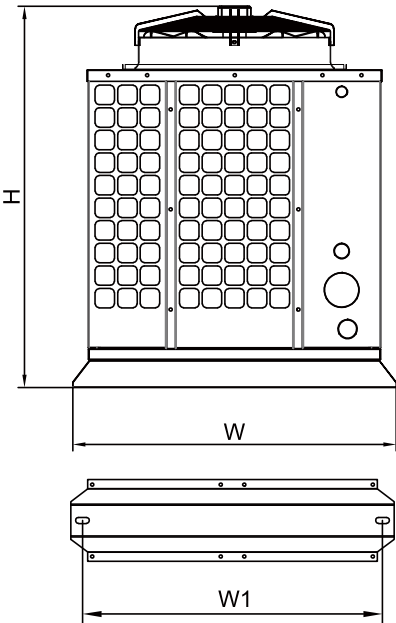
U型风冷冷凝一体机壳体
U type air cooled condenser with box casing

U型风冷冷凝一体机壳体 U type air cooled condenser with box casing												
型号 Model	散热量 heat exchange capacity				风扇 直径 Dia. mm	风扇 数量 Fan Qty	风机参数电源 fan motor		换热面积(m²) heat exchanger (m²)	风机 极数 poles	噪音 noise	重量 weight
	ΔT=15k	ΔT=10k	ΔT=8k	风量 air flow rate								
	kW	kW	kW	m³/h			总功率 total power	运行电流 total running current				
	R404A	R404A	R404A				kW	A				
MBOX014U2R	14.6	9.5	7.6	6070	450	1	0.37	0.75	34	4极	58	85
MBOX018U3R	18.5	12	9.5	5890	450	1	0.37	0.75	50	4极	58	94
MBOX025U2R	25.1	16.3	12.9	11620	450	2	0.74	1.5	47	4极	60	121
MBOX030U3R	30.7	20	15.8	10980	450	2	0.74	1.5	67	4极	60	132
MBOX022U3R	21.8	14.2	11.2	6400	500	1	0.84	1.45	60	4极	60	126
MBOX036U2R	36.1	23.5	18.5	16200	500	2	1.68	2.9	65	4极	64	138
MBOX040U2R	41.1	26.8	21	16700	500	2	1.68	2.9	80	4极	64	146
MBOX045U3R	45.8	29.8	23.4	15500	500	2	1.68	2.9	95	4极	64	165
MBOX050U3R	51.5	33.6	26.4	16200	500	2	1.68	2.9	130	4极	64	174
MBOX060U2R	61.2	40	31.3	30600	630	2	3.7	6.4	113	4极	66	185
MBOX070U3R	70.2	46.8	37.4	30010	630	2	3.7	6.4	135	4极	66	189
MBOX080U3R	81.6	53.2	41.8	29690	630	2	3.7	6.4	158	4极	66	196

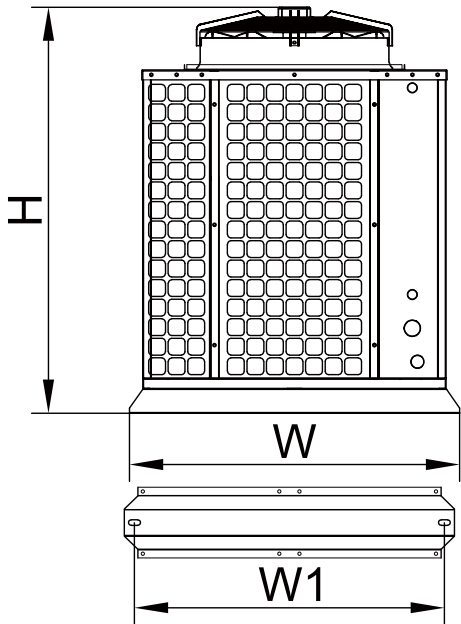
整机外形尺寸表 overall size							
No.	型号 Model	L(mm)	W(mm)	H(mm)	A(mm)	B(mm)	W1(mm)
1	MBOX014U	857	830	1007	636		770
2	MBOX018U	857	830	1007	636		770
3	MBOX025U	1407	830	1007	593	593	770
4	MBOX030U	1407	830	1007	593	593	770
5	MBOX022U	907	980	1010	685		920
6	MBOX036U	1507	980	1110	642	642	920
7	MBOX040U	1507	980	1210	642	642	920
8	MBOX045U	1507	980	1110	642	642	920
9	MBOX050U	1507	980	1210	642	642	920
10	MBOX060U	1764	1081	1340	772	772	1020
11	MBOX080U	1764	1081	1340	772	772	1020



U型-1 Model



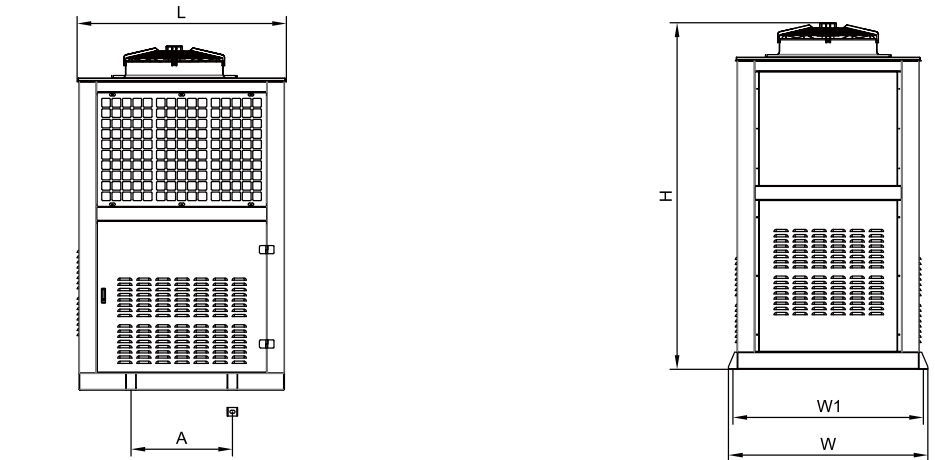
U型-2 Model



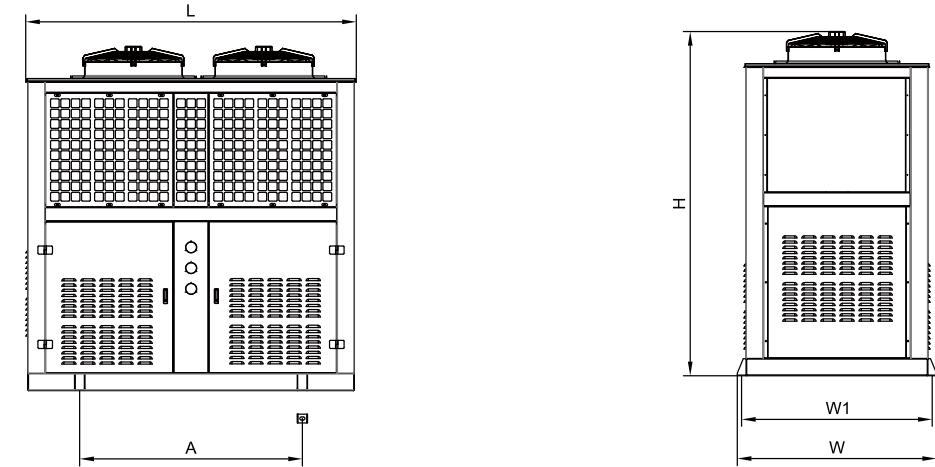
V型风冷冷凝一体机壳体
V type air cooled condenser with box casing

V型风冷冷凝一体机壳体 V type air cooled condenser with box casing													
型号 Model	散热量 heat exchange capacity				风扇 直径 Dia. mm	风扇 数量 Fan Qty	风机参数电源 fan motor		换热面积 (㎡) heat exchanger (㎡)	风机 极数 poles	管溶 (dm³) tube volume	噪音 noise	重量 weight
	ΔT=15k	ΔT=10k	ΔT=8k	风量 air flow rate									
	kW	kW	kW	m³/h			总功率 total power	运行电流 total running current					
	R404A	R404A	R404A				kW	A				dB	kg
MBOX026V3R	26.2	17.1	13.4	8300	550	1	0.6	1.65	65.8	4极	8.5	64	248
MBOX030V4R	30	19.6	15.4	8150	550	1	0.6	1.65	87.7	4极	11.4	64	266
MBOX047V3R	47.2	30.8	24.2	16000	500	2	1.68	2.9	100	4极	12.7	62	292
MBOX050V3R	50.7	33	26	16700	550	2	1.2	3.3	123	4极	17	66	310
MBOX054V4R	54.3	35.4	27.8	15400	500	2	1.68	2.9	130	4极	17.4	62	312
MBOX058V4R	58.2	38	29.8	16300	550	2	1.2	3.3	165	4极	22.7	66	375
MBOX070V3R	69.2	45.1	35.4	23400	500	3	2.52	4.4	150	4极	19.2	68	408
MBOX081V3R	80.9	52.7	41.4	28400	630	2	3.7	6.4	160	4极	20.6	66	414
MBOX093V4R	93.3	60.8	47.8	27600	630	2	3.7	6.4	215	4极	27.6	66	425
MBOX102V5R	102.4	65.1	51.1	27200	630	2	3.7	6.4	266	4极	34.5	67	476
MBOX110V3R	110.4	73.6	58.8	43100	630	3	5.55	9.6	220	4极	28.6	72	565
MBOX125V3R	124.6	81.2	63.8	43000	630	3	5.55	9.6	260	4极	32.9	72	583
MBOX135V4R	135.6	89.4	68.6	42200	630	3	5.55	9.6	290	4极	37.9	72	590
MBOX142V4R	142.4	92.8	72.9	41800	630	3	5.55	9.6	350	4极	43.8	72	600
MBOX154V5R	154.5	100.7	79.1	40600	630	3	5.55	9.6	423	4极	54.8	72	621

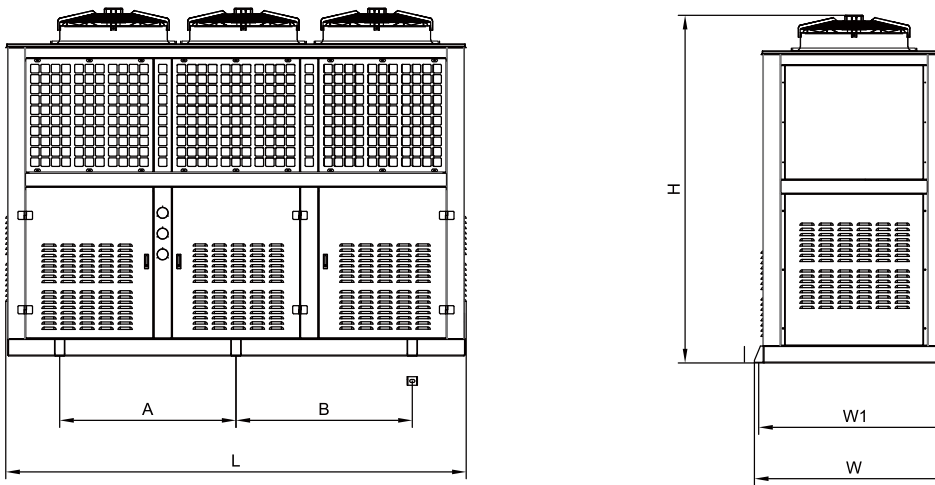
整机外形尺寸表 overall size							
No.	型号 Model	L(mm)	W(mm)	H(mm)	A(mm)	B(mm)	W1(mm)
1	MBOX026V3R	1208	1150	2022	586		1100
2	MBOX030V4R	1208	1150	2022	586		1100
3	MBOX047V3R	1774	1020	1752	1150		970
4	MBOX050V3R	1908	1150	2022	1286		1100
5	MBOX054V4R	1774	1020	1752	1150		970
6	MBOX058V4R	1908	1150	2022	1286		1100
7	MBOX070V3R	2474	1020	1752	925	925	970
8	MBOX081V3R	2108	1210	2038	1485		1160
9	MBOX093V4R	2108	1210	2038	1485		1160
10	MBOX110V3R	3103	1210	1950	1240	1240	1160
11	MBOX125V3R	3103	1210	2038	1240	1240	1160
12	MBOX135V4R	3103	1210	1950	1240	1240	1160
13	MBOX142V4R	3103	1210	2038	1240	1240	1160
14	MBOX154V5R	3103	1210	2038	1240	1240	1160



V型-1 Model



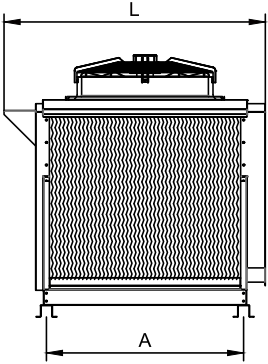
V型-2 Model



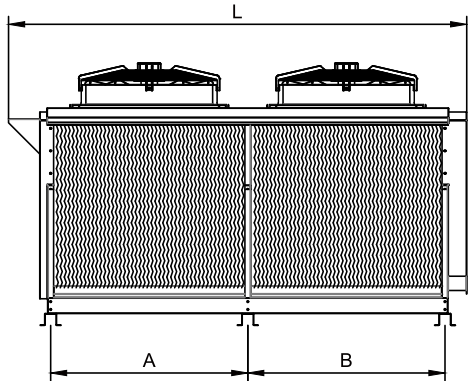
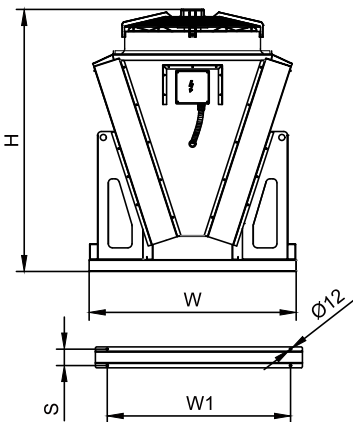
V型-3 Model

MVC系列冷凝器
MVC air cooled condenser

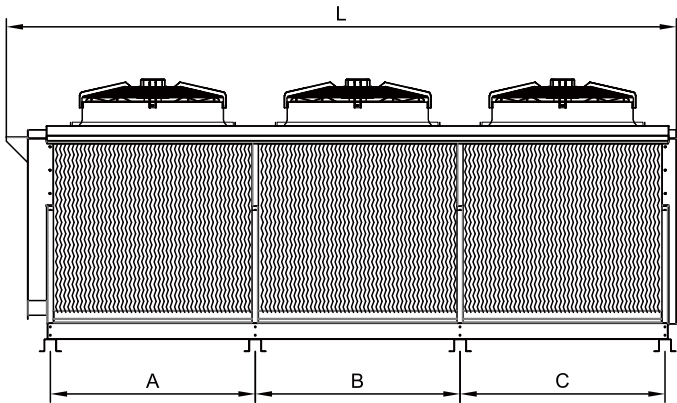
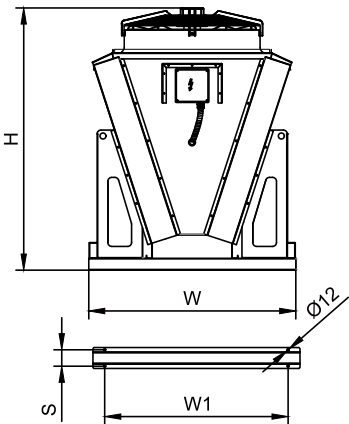
MVC系列冷凝器 MVC air cooled condenser												
型号 Model	散热量 heat exchange capacity				风扇 直径 Dia. mm	风扇 数量 Fan Qty	风机参数电源 fan motor		换热面积(m²) heat exchanger (m²)	风机 极数 poles	噪音 noise	重量 weight
	ΔT=15k	ΔT=10k	ΔT=8k	风量 air flow rate			总功率 total power	运行电流 total running current				
	kW	kW	kW	m³/h								
	R404A	R404A	R404A				kW	A				
MVC044	44.2	28.8	22.6	14600	630	1	1.85	3.2	105	4极	62	211
MVC050	50.4	32.5	25.8	14300	630	1	1.85	3.2	140	4极	62	235
MVC088	88.7	57.8	45.4	29300	630	2	3.7	6.4	210	4极	66	385
MVC100	100.9	65.8	51.7	28600	630	2	3.7	6.4	280	4极	66	402
MVC133	133.8	87.2	68.5	44000	630	3	5.55	9.6	320	4极	68	420
MVC136	136.4	89	69.8	44100	800	2	3.8	7.8	340	6极	68	465
MVC145	145.4	94.8	74.4	46900	630	3	5.55	9.6	352	4极	70	478
MVC151	151.5	98.8	77.6	43000	630	3	5.55	9.6	420	4极	70	495
MVC154	153.8	100.2	78.7	42800	800	2	3.8	7.8	450	6极	68	485
MVC166	166.5	108.6	85.2	46100	630	3	5.55	9.6	470	4极	72	512
MVC205	204.7	133.5	104.8	66100	800	3	5.4	11.7	510	6极	72	715
MVC230	230.8	150.5	118.2	64200	800	3	5.4	11.7	680	6极	72	760



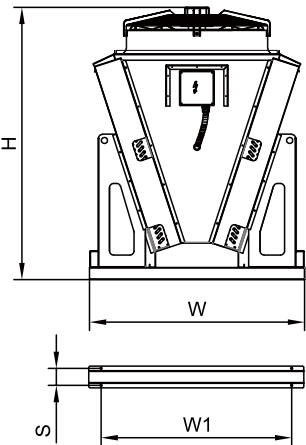
MVC-1 Model



MVC-2 Model



MVC-3 Model

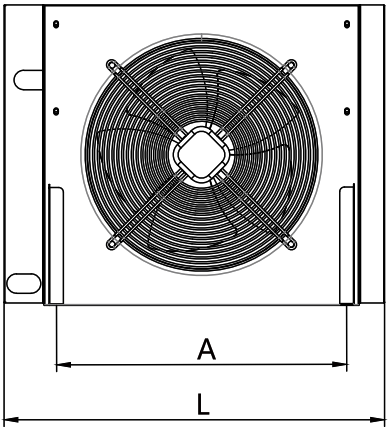


整机外形尺寸表 overall size									
No.	型号 Model	L(mm)	W(mm)	H(mm)	A(mm)	B(mm)	C(mm)	W1(mm)	S(mm)
1	MVC044	1325	1050	1320	1000			930	83
2	MVC050	1325	1050	1320	1000			930	83
3	MVC088	2325	1050	1320	1000	1000		930	83
4	MVC100	2325	1050	1320	1000	1000		930	83
5	MVC133	3325	1050	1320	1000	1000	1000	930	83
6	MVC136	2861	1200	1595	1200	1200		1070	83
7	MVC145	3325	1150	1320	1000	1000	1000	930	83
8	MVC151	3325	1050	1320	1000	1000	1000	930	83
9	MVC154	2861	1200	1595	1200	1200		1070	83
10	MVC166	3325	1150	1320	1000	1000	1000	930	83
11	MVC205	4061	1200	1595	1200	1200	1200	1070	83
12	MVC230	4061	1200	1595	1200	1200	1200	1070	83

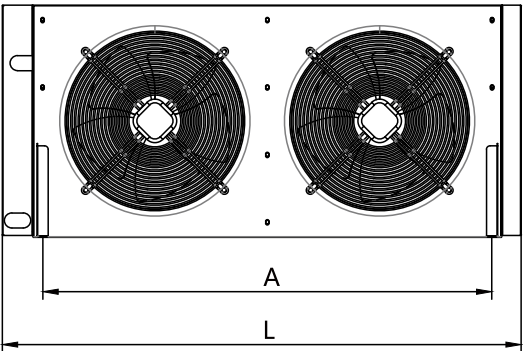
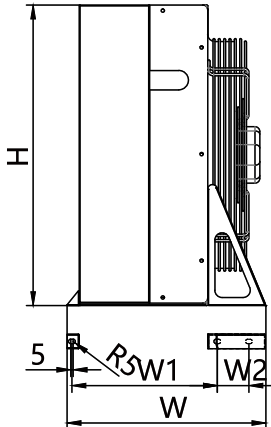
MNC系列冷凝器
MNC air cooled condenser

MNC系列冷凝器 MNC air cooled condenser												
型号 Model	散热量 heat exchange capacity				风扇 直径 Dia. mm	风扇 数量 Fan Qty	风机参数电源 fan motor		换热面积(m²) heat exchanger (m²)	风机 极数 poles	噪音 noise	重量 weight
	ΔT=15k	ΔT=10k	ΔT=8k	风量 air flow rate			总功率 total power	运行电流 total running current				
	kW	kW	kW	m³/h								
	R404A	R404A	R404A									
MNC012	12.4	8.1	6.4	4600	450	1	0.37	0.75	22	4极	54	32
MNC014	13.5	9	7	4180	450	1	0.37	0.75	28	4极	54	38
MNC020	20.1	13.1	10.3	9200	450	2	0.74	1.5	30	4极	56	58
MNC025	24.6	16.2	12.8	8360	450	2	0.74	1.5	43	4极	56	66
MNC050	49.3	32.4	25.6	18400	450	4	1.48	3	85	4极	56	115
MNC055	55.4	36.4	28.7	16730	450	4	1.48	3	112	4极	58	128
MNC036	36.1	23.8	18.6	13000	500	2	1	1.9	66	4极	58	74
MNC041	41.3	27.2	21.4	12260	500	2	1	1.9	88	4极	62	92
MNC072	72.5	47.6	37.6	26500	500	4	2	3.8	132	4极	62	136
MNC082	82.4	54.2	42.8	15150	500	4	2	3.8	175	4极	64	152
MNC090	90.5	59.5	47	30740	550	4	2.4	4.8	180	4极	64	165
MNC102	102.5	67.4	53.2	29640	550	4	2.4	4.8	235	4极	66	187

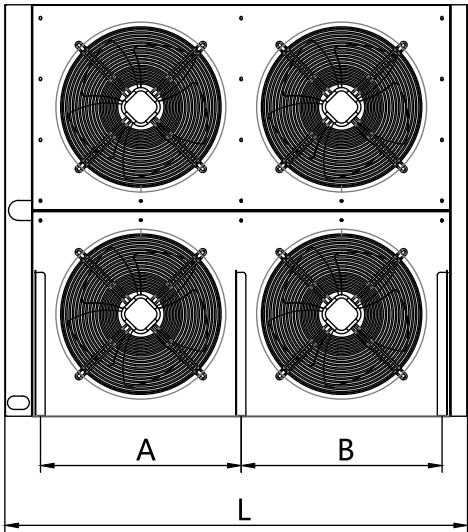
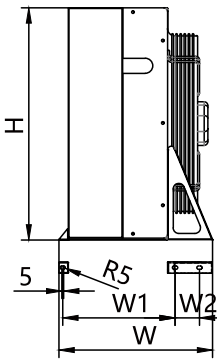
整机外形尺寸表 overall size								
No.	型号 Model	L(mm)	W(mm)	H(mm)	A(mm)	B(mm)	W1(mm)	W2(mm)
1	MNC012	785	410	620	600		300	65
2	MNC014	785	410	620	600		300	65
3	MNC020	1385	410	620	1200		300	65
4	MNC025	1385	410	620	1200		300	65
5	MNC036	1785	440	725	1600		310	85
6	MNC041	1785	440	725	1600		310	85
7	MNC050	1385	515	1230	600	600	312	150
8	MNC055	1385	515	1230	600	600	312	150
9	MNC072	1825	480	1435	800	800	312	120
10	MNC082	1825	480	1435	800	800	312	120
11	MNC090	2225	510	1540	1000	1000	310	120
12	MNC102	2225	510	1540	1000	1000	310	120



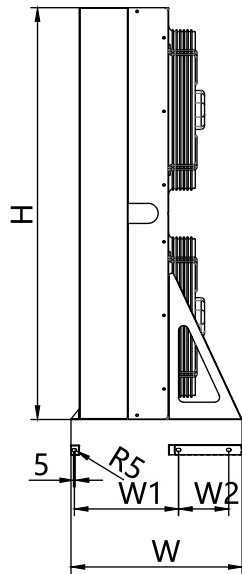
MNC-1 Model



MNC-2 Model



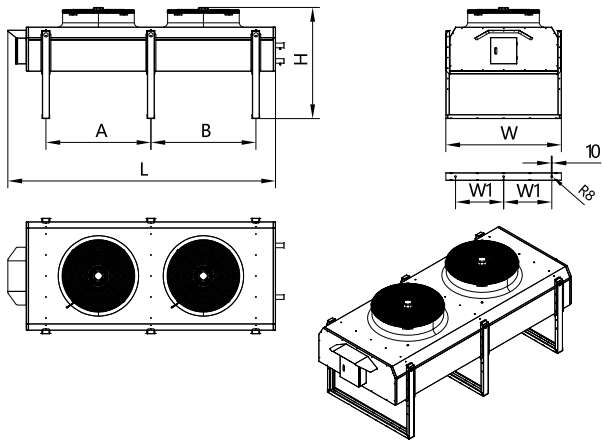
MNC-4 Model



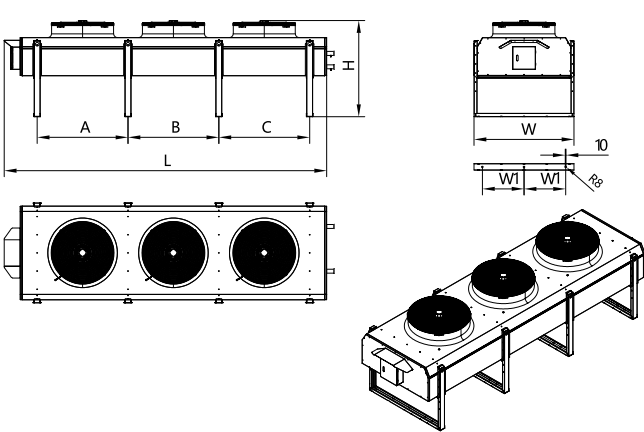
MEC系列冷凝器
MEC air cooled condenser

MEC系列冷凝器 MEC air cooled condenser												
型号 Model	散热量 heat exchange capacity				风扇 直径 Dia. mm	风扇 数量 Fan Qty	风机参数电源 fan motor		换热面积(m²) heat exchanger (m²)	风机 极数 poles	噪音 noise	重量 weight
	ΔT=15k	ΔT=10k	ΔT=8k	风量 air flow rate			总功率 total power	运行电流 total running current				
	kW	kW	kW	m³/h								
	R404A	R404A	R404A				kW	A				
MEC096-N	96	61	49	35235	800	2	3.8	6.4	176	6极	76	365
MEC108-N	108	69	55	33110	800	2	3.8	6.4	230	6极	76	386
MEC116-N	116	74	59	30960	800	2	3.8	6.4	286	6极	76	410
MEC145-N	145	92	73	52850	800	3	5.7	9.6	256	6极	78	456
MEC160-N	160	102	81	49670	800	3	5.7	9.6	352	6极	78	487
MEC175-N	175	111	89	46350	800	3	5.7	9.6	425	6极	78	506
MEC186-N	186	118	94	71470	800	4	7.6	12.8	365	6极	79	648
MEC210-N	210	133	107	66230	800	4	7.6	12.8	465	6极	79	670
MEC290-SN	290	184	146	105700	800	6	11.4	19.2	512	6极	78	912
MEC320-SN	320	204	162	99340	800	6	11.4	19.2	704	6极	78	974
MEC350-SN	350	222	179	92700	800	6	11.4	19.2	850	6极	78	1012
MEC375-SN	374	236	188	142940	800	8	15.2	25.6	730	6极	79	1296
MEC420-SN	420	266	214	132640	800	8	15.2	25.6	930	6极	79	1340

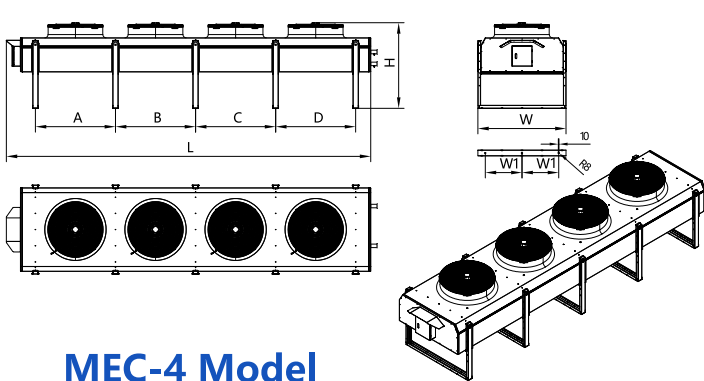
整机外形尺寸表 overall size								
型号 Model	L(mm)	W(mm)	H(mm)	A(mm)	B(mm)	C(mm)	D(mm)	W1(mm)
MEC096-N	3060	1325	1275	1200	1200			550
MEC108-N	3060	1325	1275	1200	1200			550
MEC116-N	3060	1325	1275	1200	1200			550
MEC145-N	4260	1325	1275	1200	1200	1200		550
MEC160-N	4260	1325	1275	1200	1200	1200		550
MEC175-N	4260	1325	1275	1200	1200	1200		550
MEC186-N	5460	1325	1275	1200	1200	1200	1200	550
MEC210-N	5460	1325	1275	1200	1200	1200	1200	550
MEC290-SN	4260	2560	1275	1200	1200	1200		750
MEC320-SN	4260	2560	1275	1200	1200	1200		750
MEC350-SN	4260	2560	1275	1200	1200	1200		750
MEC375-SN	5460	2560	1275	1200	1200	1200	1200	750
MEC420-SN	5460	2560	1275	1200	1200	1200	1200	750



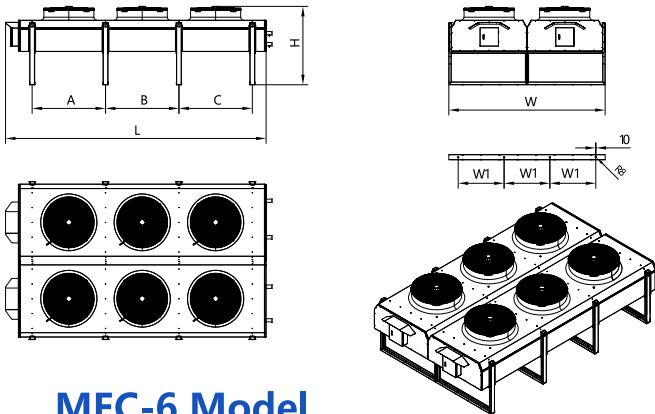
MEC-2 Model



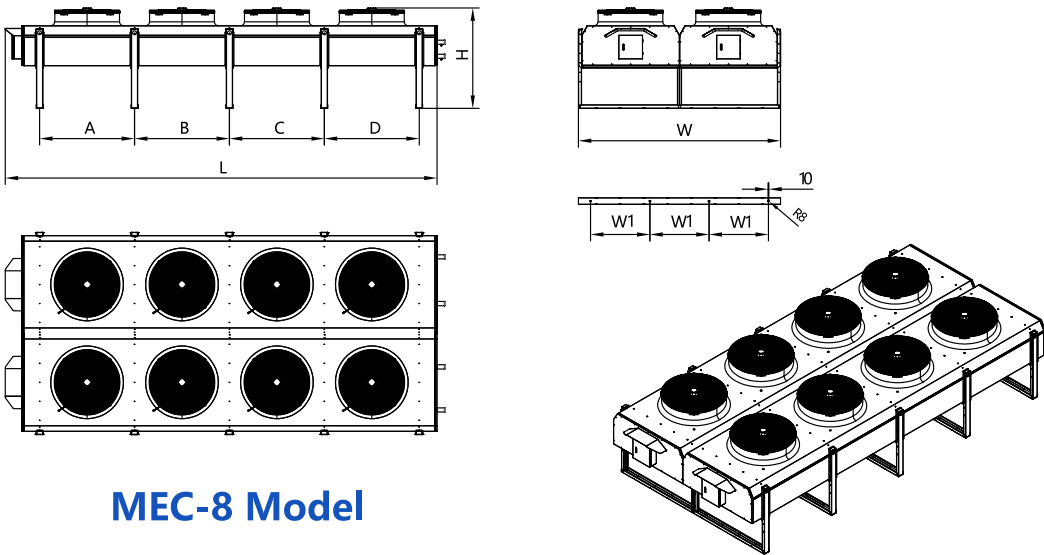
MEC-3 Model



MEC-4 Model



MEC-6 Model



MEC-8 Model