

Gipson

Heating and Cooling Products



AIR COOLED SCREW CHILLER

Badban Tahviah Parsian Co.

2022-23 General Catalogue
Commercial Air Conditioning



Introduction



Compressor

Combination of BITZER compact screw Type
With highly efficient performance
Anti Vibration Joint
Oil heater System
Dehumidifier filter dryer with replaceable cartridge
Safety valve for protect compressor at high Pressure
Liquid Line Solenoid Valve
Liquid Line Pressure Switch and Pressure Transmitter
Soft start to prevent current spikes (optional)

Evaporator

Shell and tube type including steel pipe for shell and copper tubes with 8/3 inch internal groove and compressive strength of 300 PSI
Tested in accordance ASME section VIII standard
Special design for low pressure drop and optimized heat transfer
Water Strainer
Anti Freeze System

Liquid Line Equipment

DANFOSS EEV
CASTEL trademark solenoid valve and sight glass
Liquid receiver with Rotolock valve
CASTEL trademark filter dryer for dehumidification refrigerant

Refrigerant

R134a

The most efficient and useful

R407C

We do not offer because of the limitations on operating in different ambient temperatures compared to R134a refrigerant type

R22

Harmful to environment and it is outdated. So, we do not offer

Condenser

Our new U shaped style that bring more heat exchange surface compared conventional flat heat exchanger

Fin and Tube series

Thanks to this technology, the dimensions of the device have been reduced

With high efficiency and low pressure drop

8/3" copper tube with up to 450 PSI compressive strength

12FPI number of Fin per Inch

Electrical and Safety Equipment

DANFOSS PLC

Ability to synchronize with BMS

Compatible with network connection protocols

Danfoss trademark high pressure and low pressure sensor

Switch cabinet with IP54

Switch cabinet with SIEMENS trademark;

Main switching, phase control, Contactor, MSPS

Multi-device module capability

UPS buffered controller to prevent damage during operating (optional)

Light and socket in the switch cabinet

Alarm system for faults

Fan

Axial low noise model

Variable frequency drive for saving energy and reducing sound level

Sound Reduction diffuser (optional)

EUROVENT trademark with "IP54" grading for difference models by the default

PLC Programming

Automatic troubleshooting

Display the performance status of all control parameters

Display operating hours

Display number of start times of compressors separately

Complete observance of the operation schedule of the compressors

Recording of the latest errors that have occurred

Body

Galvanized steel sheet with electrostatic paint coated

Sound insulation for reducing sound level

Manufactured with NC & CNC machines

Air arteries on the columns of body to allow more air to pass through the U section of condenser



Nomenclature

X X X X X

* Option codes will be added to the end of the nomenclature respectively.

Compressor Manufacturer

B = BITZER D = DANFOSS
F = FRASCOLD
H = HANBELL

Evaporator

B = Brazed Heat Exchanger
S = Shell and Tube Heat Exchanger

Number of Compressor

1 6
2
4

Number of Circuit

A = 1
B = 2
C = 3

Capacity (HP)

60 ∴
70 360
∴ 420

Refrigerant

C=R22
D=R407C
E = R134a

Manufacturing Series

N R
S G
A

Model

Q = Quantum P = Pro
T = Typhon (Compact Screw Compressor Series)
TL = Tesla

Unit Type

H = Air Cooled
W = Water Cooled
A = Absorption M = Micro

Standard Features

- This table contains a complete explanation of each parts used in units.

Item	Description	Product's Brand
VFD Controller	<ul style="list-style-type: none"> Controlling the fan speed. Reducing the fan sound level. Balancing the refrigerant pressure in the condenser. Increasing the compressor's life span. Preventing the frequent start / stops that damage the equipment. 	SIEMENS
Control Panel	<ul style="list-style-type: none"> Controlling the unit circuit for the required closed loop. Providing the preview and the configuration of controlling system parameters to the user. Equipped with the advanced communication interfaces. Compatible with grid connection protocols. Displaying errors. 	DANFOSS
Phase Control	<p>Phase sequence and phase loss sensors are designed for the following measures:</p> <ul style="list-style-type: none"> Protecting three-phase electric motors. Controlling the phase sequence, zero control in zero-based series, controlling each single phase with adjacent phase, and controlling each phase and zero to provide standard electricity input. Detecting the defections leading motor damages such as voltage failure in one or more phases or voltage imbalance between them. Preventing rotation of the motor the wrong way. 	SIEMENS
Terminals	<ul style="list-style-type: none"> Acting as a connector or separator between electrical panel tray and other components of the device (in terms of electrical performance). 	KLEMSAN
Contactor	<ul style="list-style-type: none"> Connecting and disconnecting the electric current of the circuit. 	SIEMENS
MSPS	<p>Motor Start Protection System to performs an electric motor:</p> <ul style="list-style-type: none"> isolation. motor protection against overload and short circuit. control of the motor. 	SIEMENS
Liquid Line	<p>Includes:</p> <p>Sight Glass, Filter Dryer, Safety Valve, Solenoid Valve, Bulb Valve.</p>	CASTEL

- All models are supplied with BITZER screw compressor trademark. Contact us for more data about other brands.

- Compressors are equipped with Oil Pressure Safety Control and Oil Heater by the default.

Standard Features

Item	Description	Product's Brand
Sensors	Includes: <ul style="list-style-type: none"> Pressure Switch, Pressure Transmitter, Temperature Sensor. 	DANFOSS
EEV	Electronic Expansion Valve: <ul style="list-style-type: none"> Ensuring accurate control of refrigerant injection into the evaporator. 	DANFOSS
Main Switch	<ul style="list-style-type: none"> Power Switch (On/Off). Controlling the input current to the device. 	SIEMENS
Condenser ¹	<ul style="list-style-type: none"> Fin and tube "U" shaped series with 12FPI number of Fin per Inch including 3/8" copper tube and compressive strength of 450 PSI. 	GIPSON
Evaporator ¹	<ul style="list-style-type: none"> Shell and tube type including steel pipe for shell and copper tubes with 3/8-inch internal groove and compressive strength of 300 PSI. Equipped with water flow switch, water strainer, Anti Freeze System. Tested in Accordance "ASME Section VIII" Standard. IT Trademark Insulator. 	REFKAR
Liquid Receiver	<ul style="list-style-type: none"> Eliminating gas refrigerant. Ensuring that pure liquid refrigerant enters the expansion valve. Equipped with Rotolock Valve for easier operation and maintenance. 	GIPSON

1. Powered by [UNILAB](#).

- All models are supplied with BITZER screw compressor trademark. Contact us for more data about other brands.

- Compressors are equipped with Oil Pressure Safety Control and Oil Heater by the default.

Options

- This table includes information of equipment that their installation enhances the unit's efficiency.

Item	Description	Product's Brand
1. Soft Starter ¹	<ul style="list-style-type: none"> Reducing the mechanical stress and shocks caused by starts and stops to the compressor Controlling the consuming current of compressors and protecting them from the electrical overload Having the minimum amount of reactive power To perform a safe boot, three asynchronous phases are used Consistently controlling of the compressor voltage source in the operating stage The compressor is aligned with load behavior to accelerate the mechanical equipment's operation Increasing the life span 	SIEMENS
2. Oil Separator	<ul style="list-style-type: none"> Preventing the compressor oil discharge. Returning the oil to the compressor leading an automatic lubrication for the compressor's parts. Preventing the mix of the oil and the refrigerant which makes acid in the system. Protecting from corrosion. Protecting the compressor from damage. 	CASTEL
3. Accumulator	<ul style="list-style-type: none"> Preventing the liquid refrigerant to enter the compressor. Reevaporating of collected refrigerant in Accumulator to enhance the compressor's efficiency. Protecting the compressor from damage. 	CASTEL
4. Economizer	<ul style="list-style-type: none"> Increasing the efficiency by creating a sub-circuit. Improving the system performance. Energy saving. Utilizing brazed plate heat exchanger. 	KELVION (Heat Exchanger)
5. Switch Cabinet	<p>A. UPS buffered controller to prevent damage during operating.</p> <p>B. Cooling system specially for switch cabinet.</p>	-
6. Fan	<p>A. ROSENBERG trademark.</p> <p>B. ZILABEG trademark.</p> <p>C. EBMPAPST trademark.</p> <p>D. Sound reduction diffuser. (Executable only for EUROVENT fans)</p>	-

1. Soft Starter is for units model no. HTSE60A1SB to HTSE180B2SB.

- All models are supplied with EUROVENT fan trademark.

- Option codes must be added to the end of the nomenclature and it is mandatory in the registration process.



Technical Data

Model No.			HTSE60A1SB	HTSE70A1SB	HTSE80A1SB
1	Cooling capacity	KW	124.9	146.9	180.5
		RT	35.5	41.8	51.3
	Total input power	KW	43.2	51.7	61.2
	Total rated current	A	78.4	91.4	100.7
	EER	-	2.89	2.84	2.95
2	Cooling capacity	KW	115.4	134.8	167.9
		RT	32.8	38.3	47.7
	Total input power	KW	46.7	56.3	66.8
	Total rated current	A	83.3	97.9	109.2
	EER	-	2.47	2.39	2.51
ESEER		-	3.77	3.77	3.78
Evaporator	Type	-	Shell and tube		
	Brand	-	REFKAR		
	Water flow rate	gpm	91	106	130
		m ³ /h	20.7	24.1	29.5
	Water pressure drop	kPa	14.4	23.6	13.6
	Max design pressure	Mpa	0.8		
Condenser	Type	-	U Shape		
	Brand	-	GIPSON		
	Heat exchanger	-	Aluminium fin		
	Number of rows	-	2		3
	Fins per inch	FPI	12		
Fan	Type	-	Axial fan		
	Brand	-	EUROVENT		
	Number	-	4		
	Speed	rpm	900		
	Diameter	mm	800		
	Air flow rate	m ³ /h	22000		
	Discharge	Side/Top	Top		
Compressor	Type	-	Compact Screw		
	Brand	-	BITZER		
	Model	-	CSH6593-60Y	CSH7573-70Y	CSH8553-80Y
	Combination	Pieces	1		
	Capacity	hp	60	70	80
	Oil type	-	BSE170		
	Oil charge amount	L	9.5	15	22
	Oil heater	-	●		
Refrigerant	Type	-	R134a		
Ambient temp. range		°C	21 ~ 46		
Command control system	Type	-	DANFOSS PLC		
Sound pressure level		dB(A)	~ 80	~ 79	~ 80
Power supply		Ø , V , Hz	3 , 400 , 50		
Dimension		WxHxD	2060x2580x2090		
Net weight		kg	~ 2200		

1 : Chilled water inlet / outlet : 12 °C / 7 °C

Outdoor ambient temp. : 35 °C DB

Sea level : 4000 ft

Fan input power included

Pump input power not included

2 : Chilled water inlet / outlet : 12 °C / 7 °C

Outdoor ambient temp. : 40 °C DB

Sea level : 4000 ft

Fan input power included

Pump input power not included

- Evaporating SST : 4.1 °C

- Water side fouling factor : 0.000018 m² . °C / KW

- ESEER calculations is based on European standard.

- Measuring sound pressure level at 3m away and ±3dB tolerance.

- The characteristics of water flow rate and water pressure drop are given based on case "1".

Model No.			HTSE90A1SB	HTSE110A1SB	HTSE120B2SB
1	Cooling capacity	KW	208	244	249.8
		RT	59.1	69.4	71.0
	Total input power	KW	68.7	80.9	86.4
	Total rated current	A	115.2	141.3	156.8
2	Cooling capacity	KW	193.5	225	230.8
		RT	55.0	64.0	65.6
	Total input power	KW	75.5	88.5	93.4
	Total rated current	A	125.4	152.6	166.6
EER		-	3.03	3.02	2.89
ESEER		-	3.97	3.97	3.77
Evaporator	Type	-	Shell and tube		
	Brand	-	REFKAR		
	Water flow rate	gpm	150	176	181
		m ³ /h	34.1	40.0	41.1
	Water pressure drop	kPa	25.3	22	16.5
	Max design pressure	Mpa	0.8		
Condenser	Type	-	U Shape		
	Brand	-	GIPSON		
	Heat exchanger	-	Aluminium fin		
	Number of rows	-	3		2
	Fins per inch	FPI	12		
Fan	Type	-	Axial fan		
	Brand	-	EUROVENT		
	Number	-	4	6	8
	Speed	rpm	900		
	Diameter	mm	800		
	Air flow rate	m ³ /h	22000		
	Discharge	Side/Top	Top		
Compressor	Type	-	Compact Screw		
	Brand	-	BITZER		
	Model	-	CSH8563-90Y	CSH8573-110Y	CSH6593-60Y
	Combination	Pieces	1		2
	Capacity	hp	90	110	120
	Oil type	-	BSE170		
	Oil charge amount	L	22	22	2 x 9.5
	Oil heater	-	•		
Refrigerant	Type	-	R134a		
Ambient temp. range		°C	21 ~ 46		
Command control system	Type	-	DANFOSS PLC		
Sound pressure level		dB(A)	~ 79	~ 80	~ 80
Power supply		Ø, V, Hz	3, 400, 50		
Dimension	WxHxD	mm	2060x2580x3130		2060x2580x4170
Net weight		kg	~ 2200	~ 4000	

1 : Chilled water inlet / outlet : 12 °C / 7 °C

Outdoor ambient temp. : 35 °C DB

Sea level : 4000 ft

Fan input power included

Pump input power not included

2 : Chilled water inlet / outlet : 12 °C / 7 °C

Outdoor ambient temp. : 40 °C DB

Sea level : 4000 ft

Fan input power included

Pump input power not included

- Evaporating SST : 4.1 °C

- Water side fouling factor : 0.000018 m² . °C / KW

- ESEER calculations is based on European standard.

- Measuring sound pressure level at 3m away and ±3dB tolerance.

- The characteristics of water flow rate and water pressure drop are given based on case "1".

According to our innovation policy , some specifications may be change without prior notification.

Model No.			HTSE140B2SB	HTSE160B2SB	HTSE180B2SB
1	Cooling capacity	KW	293.8	361	391
		RT	83.5	102.6	111.17
	Total input power	KW	103.4	122.4	128.9
	Total rated current	A	182.8	201.4	219
	EER	-	2.84	2.95	3.03
2	Cooling capacity	KW	269.6	335.8	361
		RT	76.6	95.5	102.64
	Total input power	KW	112.6	133.6	140.9
	Total rated current	A	195.8	218.4	237.2
	EER	-	2.39	2.51	2.56
ESEER		-	3.78	3.86	3.97
Evaporator	Type	-	Shell and tube		
	Brand	-	REFKAR		
	Water flow rate	gpm	212	260	271
		m ³ /h	48.1	59.0	61.5
	Water pressure drop	kPa	33	36.3	43.5
	Max design pressure	Mpa	0.8		
Condenser	Type	-	U Shape		
	Brand	-	GIPSON		
	Heat exchanger	-	Aluminium fin		
	Number of rows	-	2	3	
	Fins per inch	FPI	12		
	Fan	Type	-	Axial fan	
Brand		-	EUROVENT		
Number		-	8		
Speed		rpm	900		
Diameter		mm	800		
Air flow rate		m ³ /h	22000		
Discharge		Side/Top	Top		
Compressor	Type	-	Compact Screw		
	Brand	-	BITZER		
	Model	-	CSH7573-70Y	CSH8553-80Y	CSH7593-90Y
	Combination	Pieces	2		
	Capacity	hp	140	160	180
	Oil type	-	BSE170		
	Oil charge amount	L	2 x 15	2 x 22	2 x 15
	Oil heater	-	●		
Refrigerant	Type	-	R134a		
Ambient temp. range		°C	21 ~ 46		
Command control system	Type	-	DANFOSS PLC		
Sound pressure level		dB(A)	~ 79	~ 80	~ 79
Power supply		Ø , V , Hz	3 , 400 , 50		
Dimension		WxHxD	2060x2580x4170		
Net weight		kg	~ 4200		

1 : Chilled water inlet / outlet : 12 °C / 7 °C
 Outdoor ambient temp. : 35 °C DB
 Sea level : 4000 ft
 Fan input power included
 Pump input power not included

2 : Chilled water inlet / outlet : 12 °C / 7 °C
 Outdoor ambient temp. : 40 °C DB
 Sea level : 4000 ft
 Fan input power included
 Pump input power not included

- Evaporating SST : 4.1 °C
 - Water side fouling factor : 0.000018 m² . °C / KW
 - ESEER calculations is based on European standard.
 - Measuring sound pressure level at 3m away and ±3dB tolerance.
 - The characteristics of water flow rate and water pressure drop are given based on case "1".

Model No.			HTSE220B2SB	HTSE250B2SB	HTSE280B2SB	
1	Cooling capacity	KW	487	539	613	
		RT	138.5	153.2	174.3	
	Total input power	KW	161.7	179	208.2	
	Total rated current	A	282.8	314.8	364.4	
	EER	-	3.01	3.01	2.94	
2	Cooling capacity	KW	450	500	569	
		RT	127.9	142.2	161.8	
	Total input power	KW	177	196.2	260.4	
	Total rated current	A	304.8	339.8	393.2	
	EER	-	2.54	2.55	2.5	
ESEER		-	3.97	3.97	3.87	
Evaporator	Type	-	Shell and tube			
	Brand	-	REFKAR			
	Water flow rate	gpm	352	389	443	
		m ³ /h	79.9	88.3	100.6	
	Water pressure drop	kPa	42	49	51	
	Max design pressure	Mpa	0.8			
Condenser	Type	-	U Shape			
	Brand	-	GIPSON			
	Heat exchanger	-	Aluminium fin			
	Number of rows	-	3			
	Fins per inch	FPI	12			
	Fan	Type	-	Axial fan		
Brand		-	EUROVENT			
Number		-	12		16	
Speed		rpm	900			
Diameter		mm	800			
Air flow rate		m ³ /h	22000			
Discharge		Side/Top	Top			
Compressor		Type	-	Compact Screw		
	Brand	-	BITZER			
	Model	-	CSH8573-110Y	CSH8583-125Y	CSH8593-140Y	
	Combination	Pieces	2			
	Capacity	hp	220	250	280	
	Oil type	-	BSE170			
	Oil charge amount	L	2 x 22	2 x 19	2 x 19	
	Oil heater	-	●			
	Refrigerant	Type	-	R134a		
Ambient temp. range		°C	21 ~ 46			
Command control system	Type	-	DANFOSS PLC			
Sound pressure level		dB(A)	~ 80	~ 81	~ 80	
Power supply		Ø , V , Hz	3 , 400 , 50			
Dimension		WxHxD	mm		2060x2580x6250	2060x2580x8344
Net weight		kg	~ 6000		~ 8000	

1 : Chilled water inlet / outlet : 12 °C / 7 °C
 Outdoor ambient temp. : 35 °C DB
 Sea level : 4000 ft
 Fan input power included
 Pump input power not included

2 : Chilled water inlet / outlet : 12 °C / 7 °C
 Outdoor ambient temp. : 40 °C DB
 Sea level : 4000 ft
 Fan input power included
 Pump input power not included

- Evaporating SST : 4.1 °C
 - Water side fouling factor : 0.000018 m² . °C / KW
 - ESEER calculations is based on European standard.
 - Measuring sound pressure level at 3m away and ±3dB tolerance.
 - The characteristics of water flow rate and water pressure drop are given based on case "1".

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Model No.			HTSE320B2SB	HTSE360B2SB	HTSE420B2SB
1	Cooling capacity	KW	726	849	979
		RT	206.4	241.4	278.3
	Total input power	KW	238.4	266.6	308.4
	Total rated current	A	405.4	446.6	528
2	Cooling capacity	-	3.05	3.18	3.18
		-	3.05	3.18	3.18
	Total input power	KW	260.4	289	336
	Total rated current	A	438.4	480.2	570
EER			2.58	2.72	2.72
ESEER			4.03	4.13	4.15
Evaporator	Type	-	Shell and tube		
	Brand	-	REFKAR		
	Water flow rate	gpm	523	642	740
		m ³ /h	118.7	145.7	168.0
	Water pressure drop	kPa	22.3	24	38
	Max design pressure	Mpa	0.8		
Condenser	Type	-	U Shape		
	Brand	-	GIPSON		
	Heat exchanger	-	Aluminium fin		
	Number of rows	-	3		
	Fins per inch	FPI	12		
Fan	Type	-	Axial fan		
	Brand	-	EUROVENT		
	Number	-	16	18	20
	Speed	rpm	900		
	Diameter	mm	800		
	Air flow rate	m ³ /h	22000		
	Discharge	Side/Top	Top		
Compressor	Type	-	Compact Screw		
	Brand	-	BITZER		
	Model	-	CSH9563-160Y	CSH9573-180Y	CSH9583-210Y
	Combination	Pieces	2		
	Capacity	hp	320	360	420
	Oil type	-	BSE170		
	Oil charge amount	L	2 x 30	2 x 30	2 x 30
	Oil heater	-	•		
Refrigerant	Type	-	R134a		
Ambient temp. range		°C	21 ~ 46		
Command control system	Type	-	DANFOSS PLC		
Sound pressure level		dB(A)	~ 82	~ 82	~ 83
Power supply		Ø, V, Hz	3, 400, 50		
Dimension	WxHxD	mm	2060x2580x8344	2060x2580x9386	2060x2580x10428
Net weight		kg	~ 8000	~ 9000	~ 10000

1 : Chilled water inlet / outlet : 12 °C / 7 °C

Outdoor ambient temp. : 35 °C DB

Sea level : 4000 ft

Fan input power included

Pump input power not included

2 : Chilled water inlet / outlet : 12 °C / 7 °C

Outdoor ambient temp. : 40 °C DB

Sea level : 4000 ft

Fan input power included

Pump input power not included

- Evaporating SST : 4.1 °C

- Water side fouling factor : 0.000018 m² . °C / KW

- ESEER calculations is based on European standard.

- Measuring sound pressure level at 3m away and ±3dB tolerance.

- The characteristics of water flow rate and water pressure drop are given based on case "1".



Performance Data

Model No.	Ambient Temp. (°C)	Cooling Capacity (KW)	Power Input (KW)	Rated Current (A)	COP
HTSE60A1SB	30	134.2	40	74.2	3.36
	35	124.9	43.2	78.4	2.89
	37	121.1	44.5	80.3	2.72
	40	115.4	46.7	83.3	2.47
	42	111.5	48.3	85.4	2.31
	46	103.6	51.7	90.1	2.00
aHTSE70A1SB	30	158.6	47.6	85.7	3.33
	35	146.9	51.7	91.4	2.84
	37	142.1	53.4	93.9	2.66
	40	134.8	56.3	97.9	2.39
	42	129.9	58.3	100.8	2.23
	46	120	62.7	106.9	1.91
HTSE80A1SB	30	192.7	56.2	93.5	3.43
	35	180.5	61.2	100.7	2.95
	37	175.5	63.5	103.9	2.76
	40	167.9	66.8	109.2	2.51
	42	162.7	69.8	113	2.33
	46	152.2	75.5	121.3	2.02
HTSE90A1SB	30	222	63	106.6	3.52
	35	208	68.7	115.2	3.03
	37	202	71.3	119.1	2.83
	40	193.5	75.5	125.4	2.56
	42	187.6	78.4	129.9	2.39
	46	175.4	85	139.9	2.06
HTSE110A1SB	30	262	74.3	131.7	3.53
	35	244	80.9	141.3	3.02
	37	236	83.8	145.6	2.82
	40	225	88.5	152.6	2.54
	42	217	91.9	157.6	2.36
	46	203	99.3	168.6	2.04

- Chilled water inlet / outlet : 12 °C / 7 °C

Model No.	Ambient Temp. (°C)	Cooling Capacity (KW)	Power Input (KW)	Rated Current (A)	COP
HTSE120B2SB	30	268.4	80.0	148.4	3.36
	35	249.8	86.4	156.8	2.89
	37	242.2	89.0	160.6	2.72
	40	230.8	93.4	166.6	2.47
	42	223	96.6	170.8	2.31
	46	207.2	103.4	180.2	2.00
HTSE140B2SB	30	317.2	95.2	171.4	3.33
	35	293.8	103.4	182.8	2.84
	37	284.2	106.8	187.8	2.66
	40	269.6	112.6	195.8	2.39
	42	259.8	116.6	201.6	2.23
	46	240	125.4	213.8	1.91
HTSE160B2SB	30	385.4	112.4	187.0	3.43
	35	361	122.4	201.4	2.95
	37	351	127.0	207.8	2.76
	40	335.8	133.6	218.4	2.51
	42	325.4	139.6	226.0	2.33
	46	304.4	151.0	242.6	2.02
HTSE180B2SB	30	418	118.6	204.2	3.52
	35	391	128.9	219	3.03
	37	379	133.5	225.7	2.84
	40	361	140.9	237.2	2.56
	42	349	146.4	245.2	2.38
	46	324	158.5	263.2	2.04
HTSE220B2SB	30	523	148.6	263.8	3.52
	35	487	161.7	282.8	3.01
	37	472	167.6	290.8	2.82
	40	450	177	304.8	2.54
	42	435	183.8	314.8	2.37
	46	405	198.6	336.8	2.04

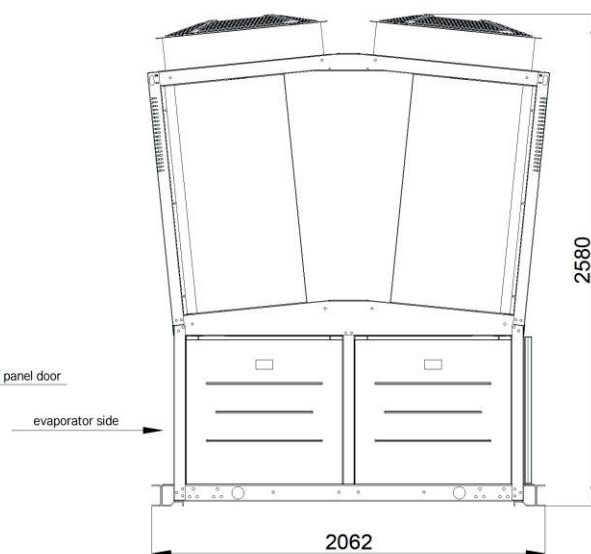
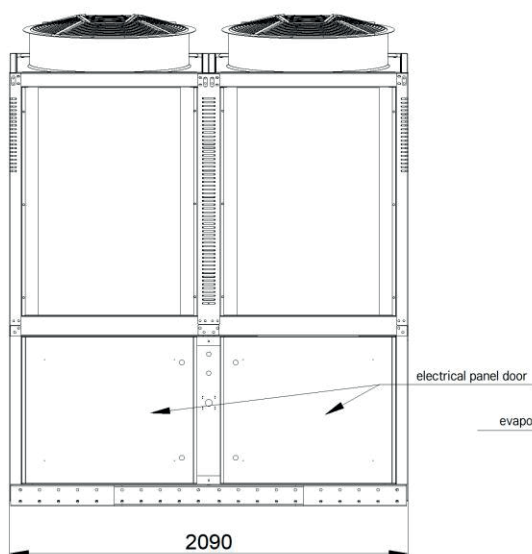
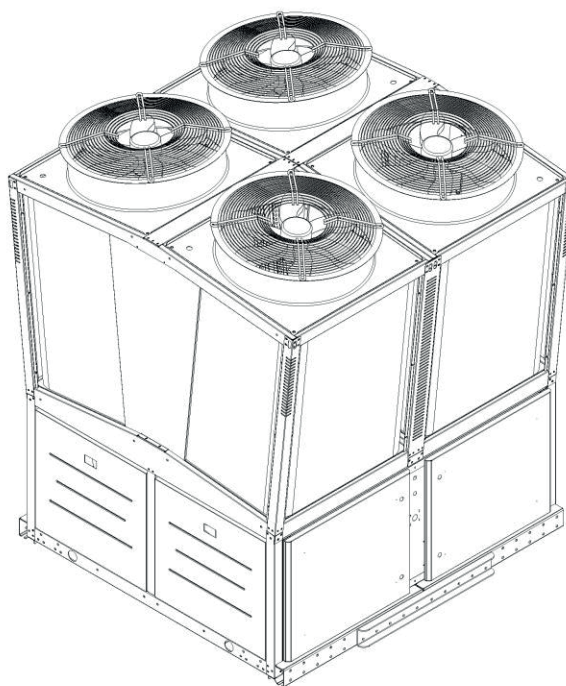
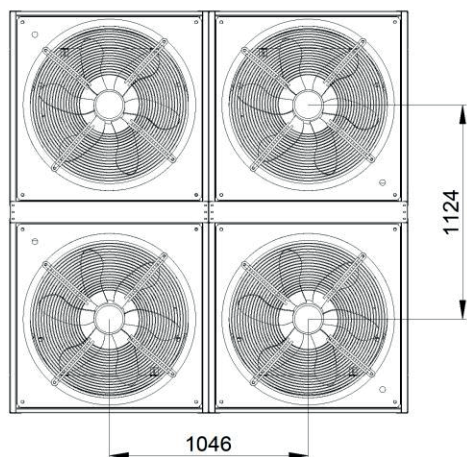
- Chilled water inlet / outlet : 12 °C / 7 °C

Model No.	Ambient Temp. (°C)	Cooling Capacity (KW)	Power Input (KW)	Rated Current (A)	COP
HTSE250B2SB	30	577	164.2	292.8	3.51
	35	539	179	314.8	3.01
	37	523	185.6	323.8	2.82
	40	500	196.2	339.8	2.55
	42	484	203.8	350.8	2.37
	46	452	220.4	375.8	2.05
HTSE280B2SB	30	657	191.4	340.2	3.43
	35	613	208.2	364.4	2.94
	37	596	215.6	375.4	2.76
	40	569	227.8	393.2	2.50
	42	551	236.4	406	2.33
	46	514	255.4	434.2	2.01
HTSE320B2SB	30	779	218.8	376.4	3.56
	35	726	238.4	405.4	3.05
	37	705	247.4	418.4	2.85
	40	671	260.4	438.4	2.58
	42	649	269.4	453.4	2.41
	46	602	289.4	483.4	2.08
HTSE360B2SB	30	909	247	416.8	3.68
	35	849	266.6	446.6	3.18
	37	823	275.8	459.6	2.98
	40	785	289	480.2	2.72
	42	759	298.8	496.2	2.54
	46	707	320.2	528.2	2.21
HTSE420B2SB	30	1042	283	492	3.68
	35	979	308	489	3.18
	37	953	319	545	2.99
	40	913	336	570	2.72
	42	886	348	588	2.55
	46	831	373	626	2.23

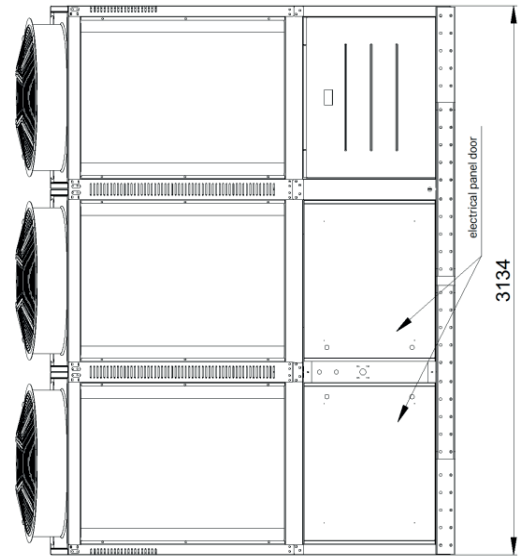
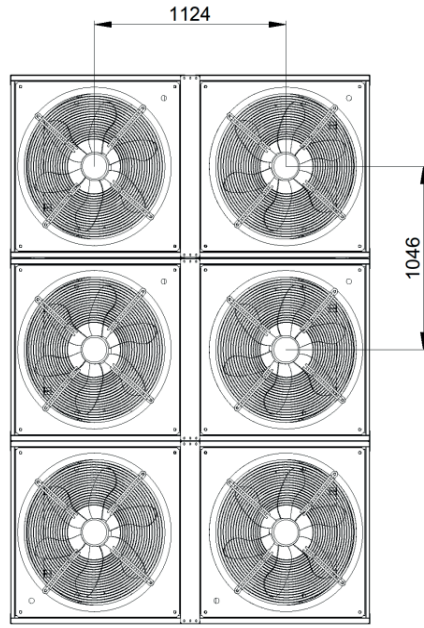
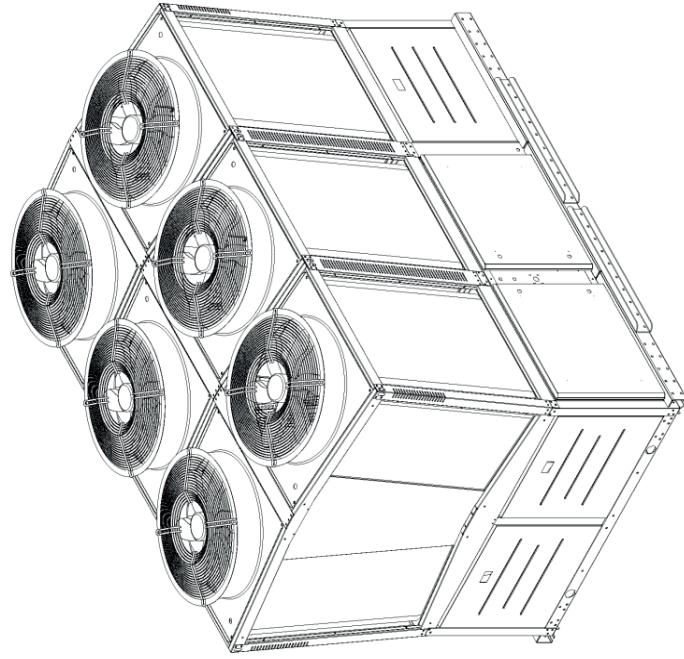
- Chilled water inlet / outlet : 12 °C / 7 °C



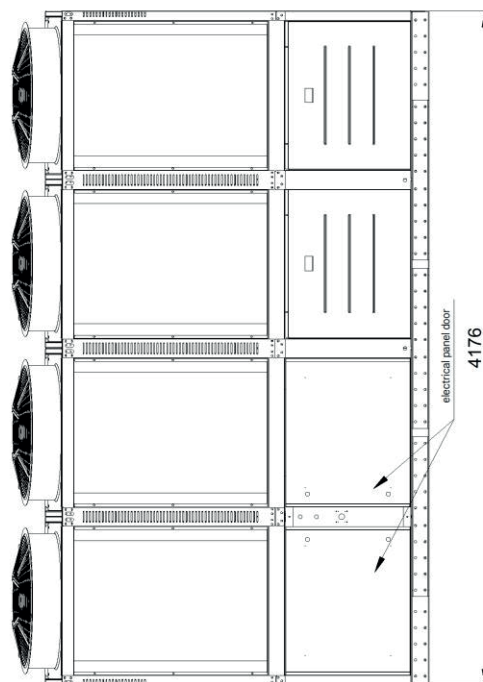
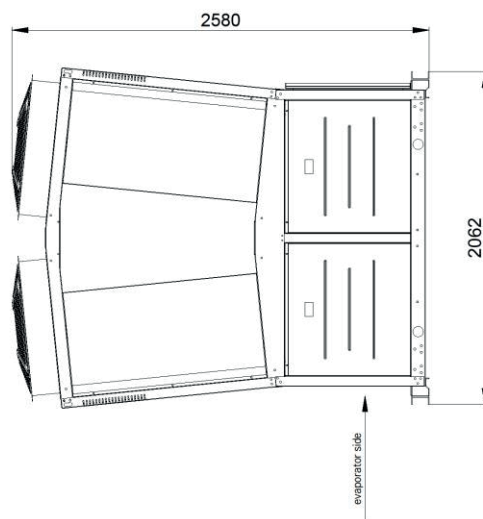
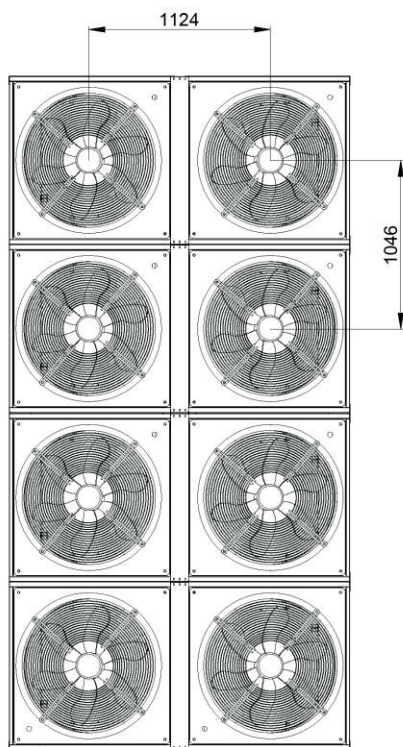
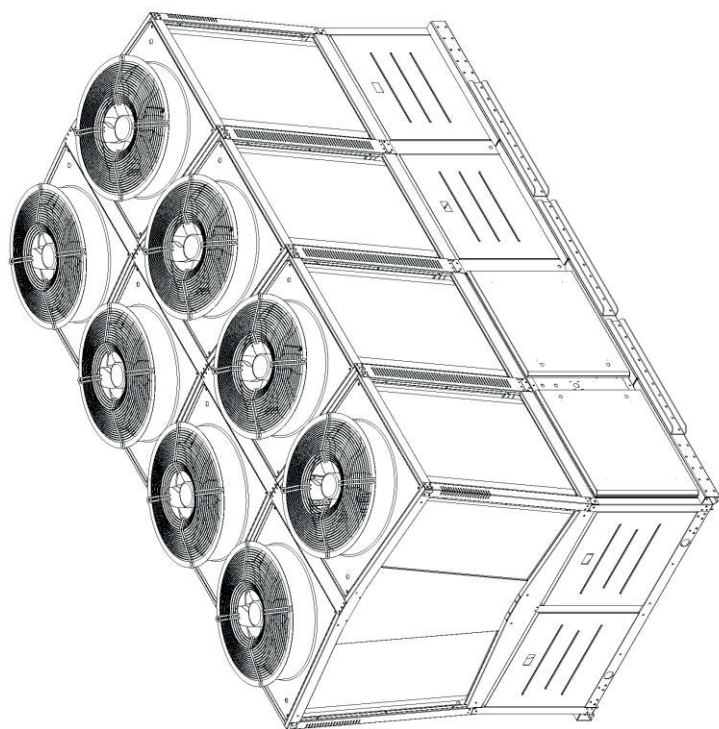
Dimensions



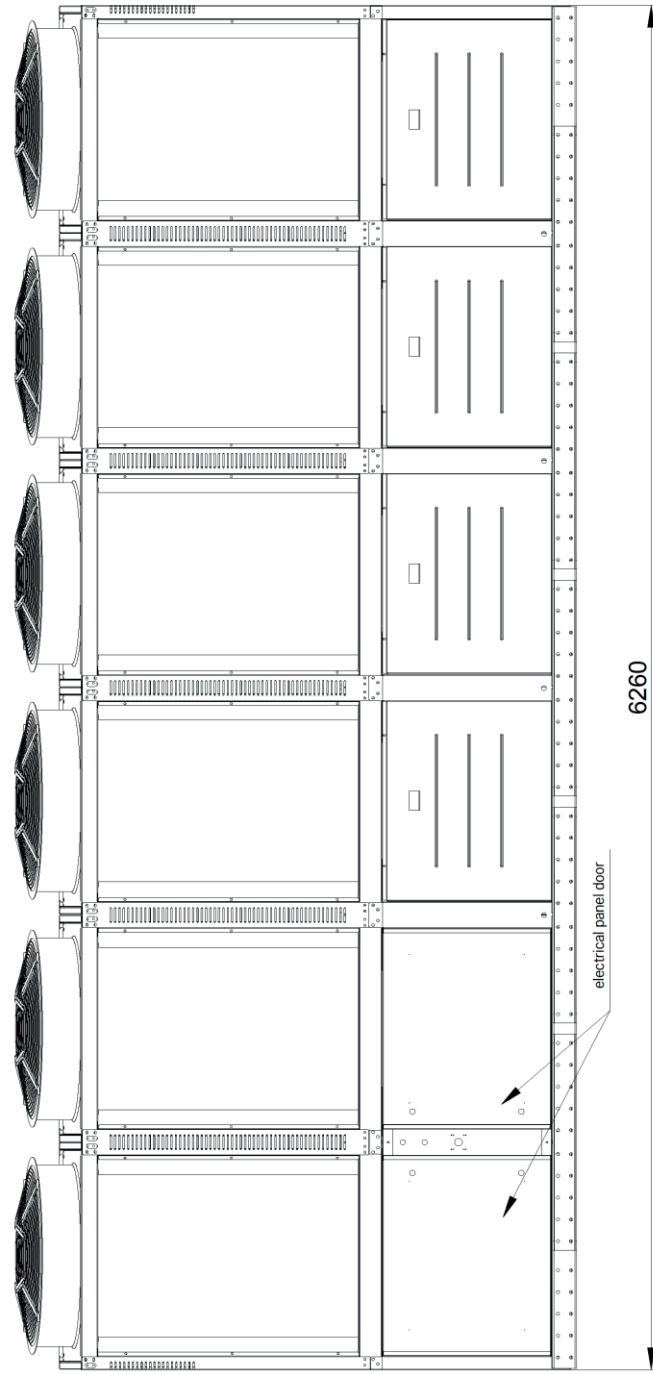
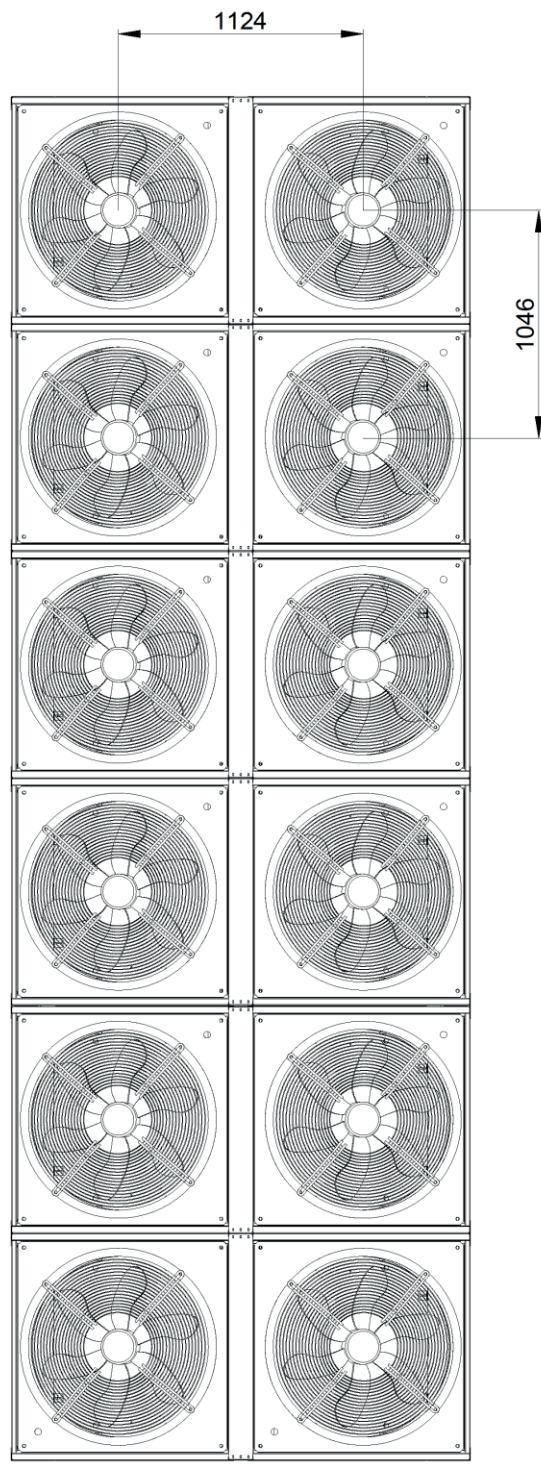
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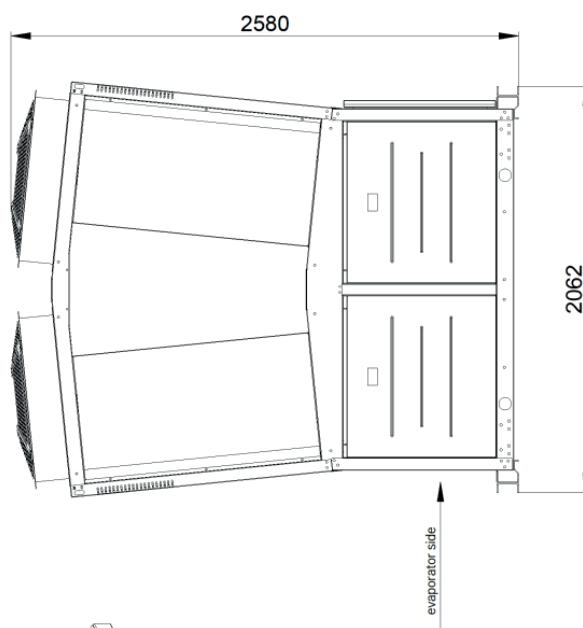
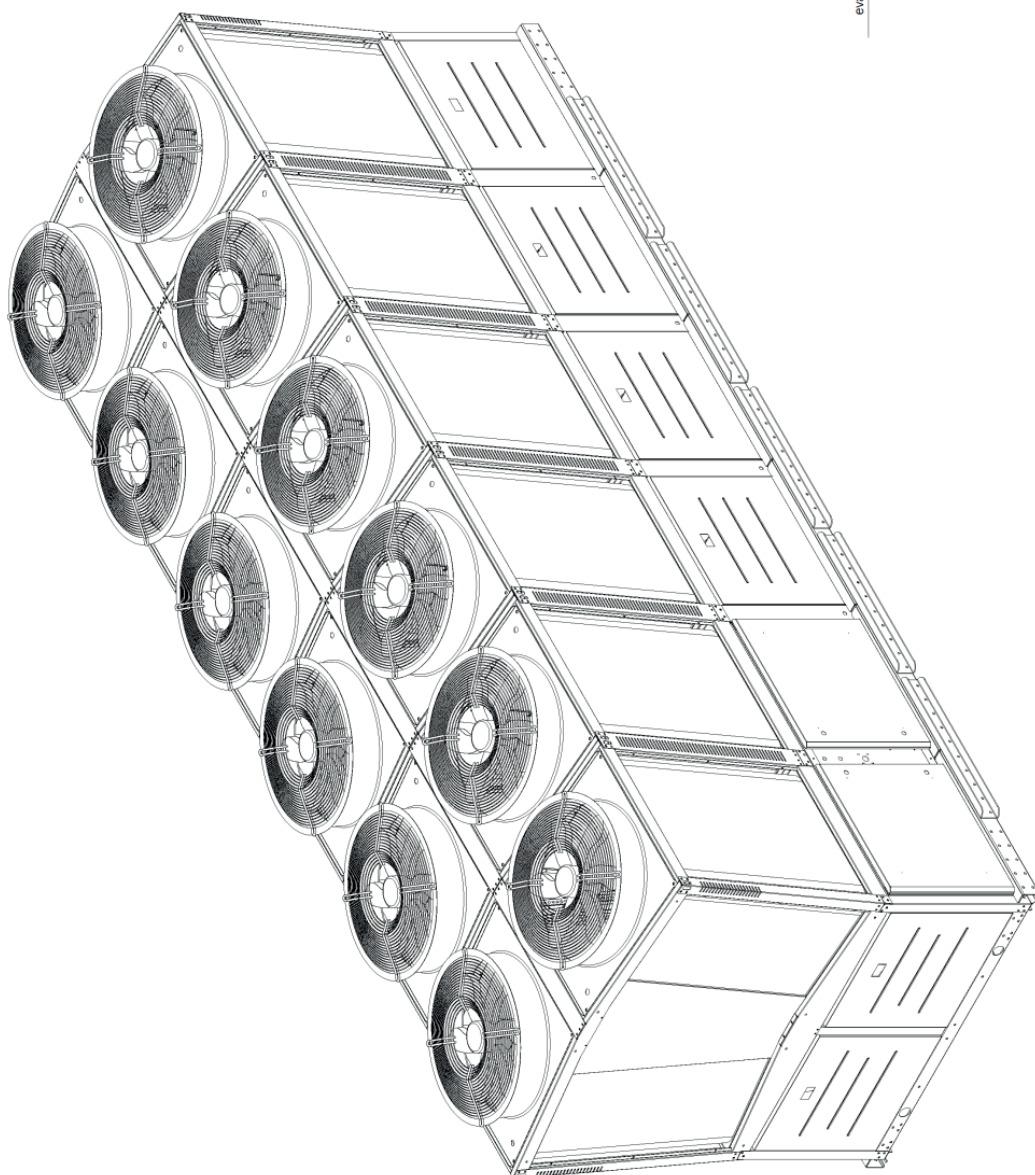


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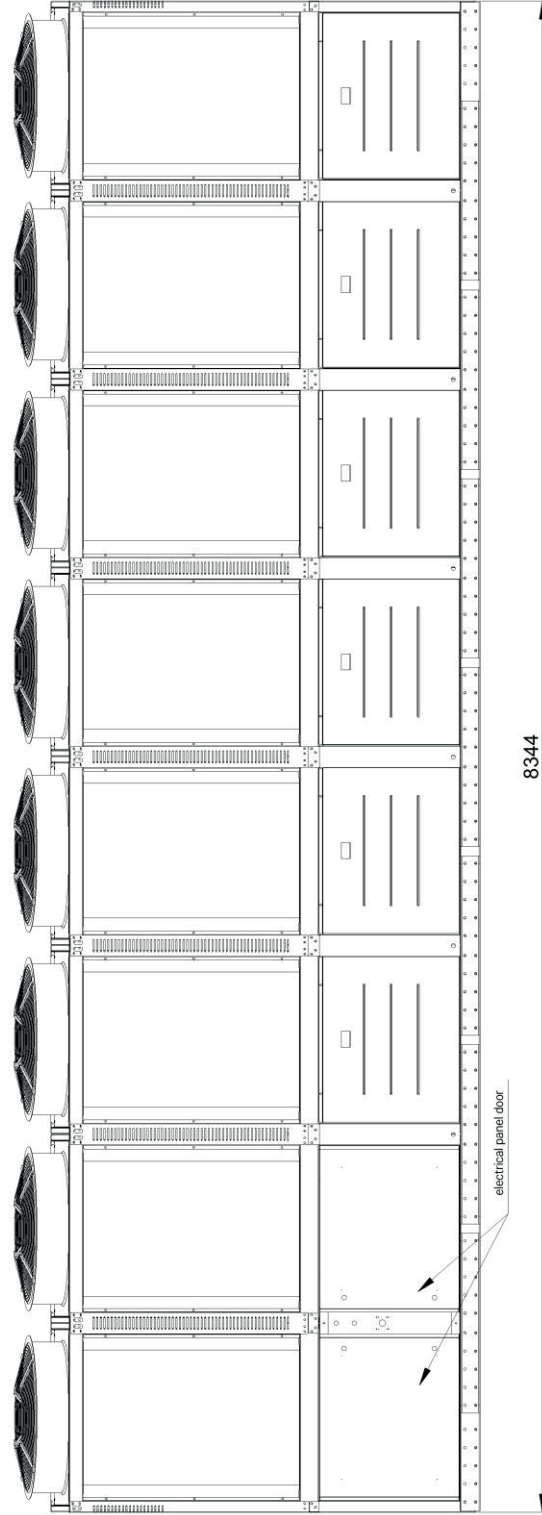
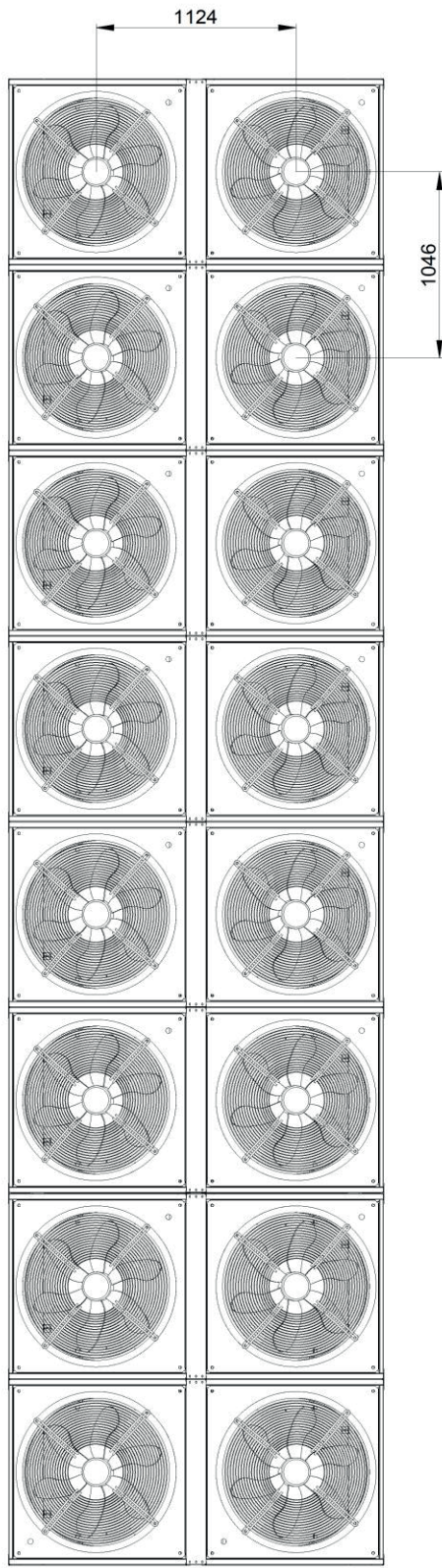


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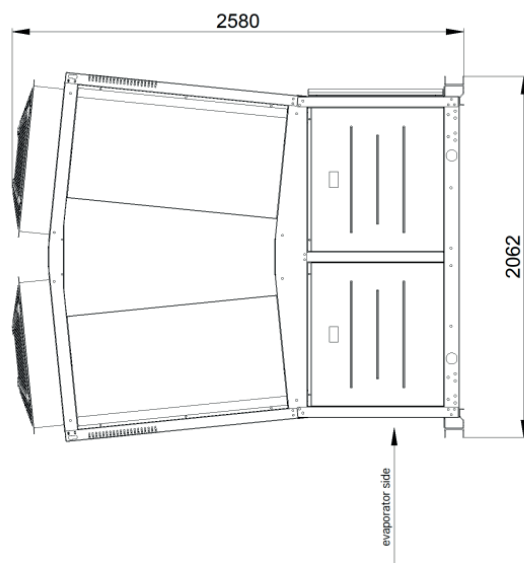
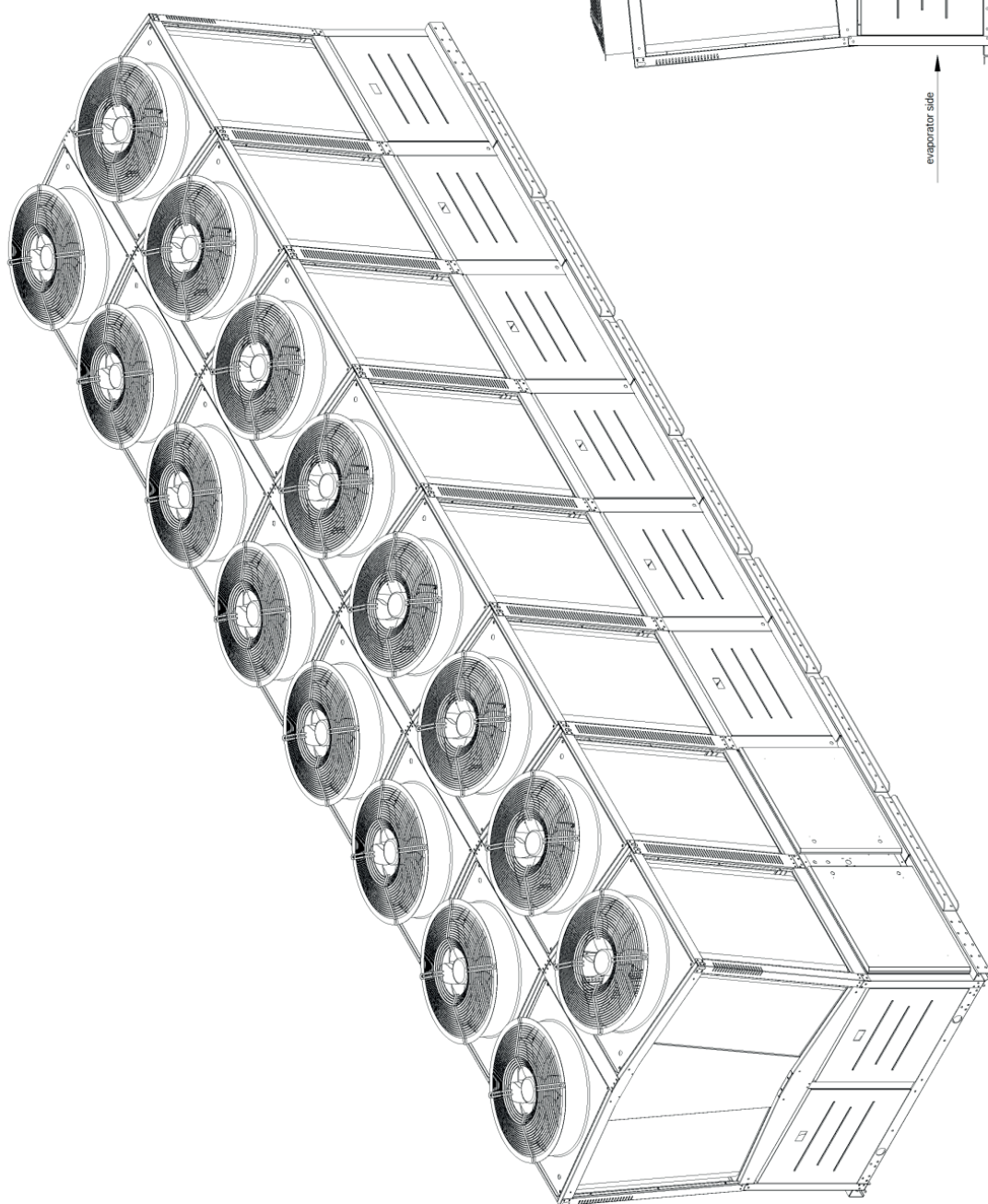




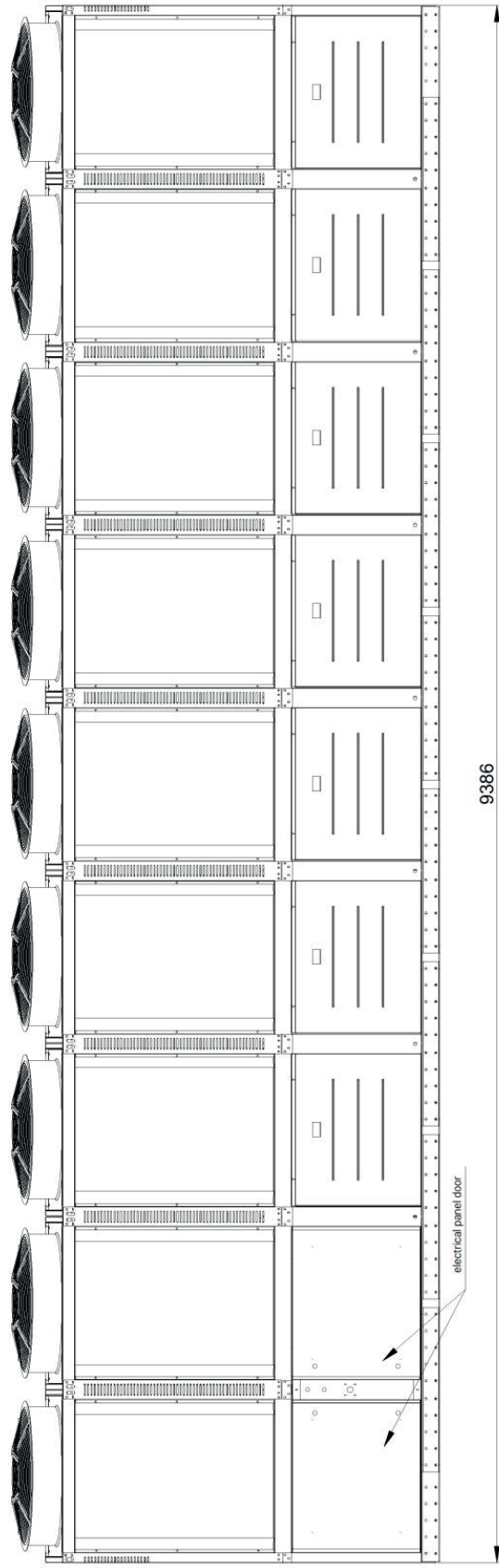
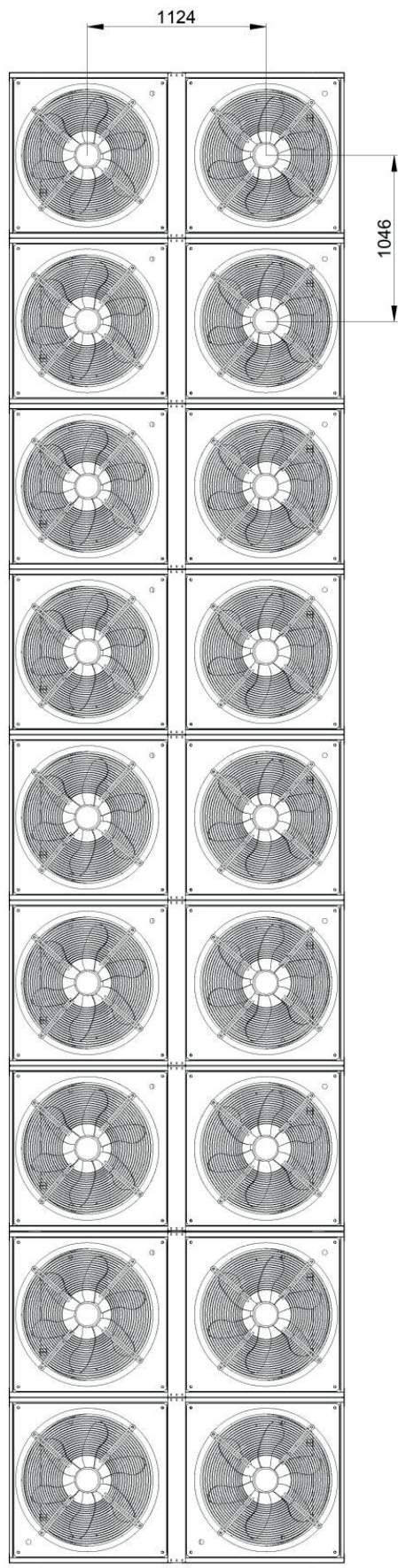
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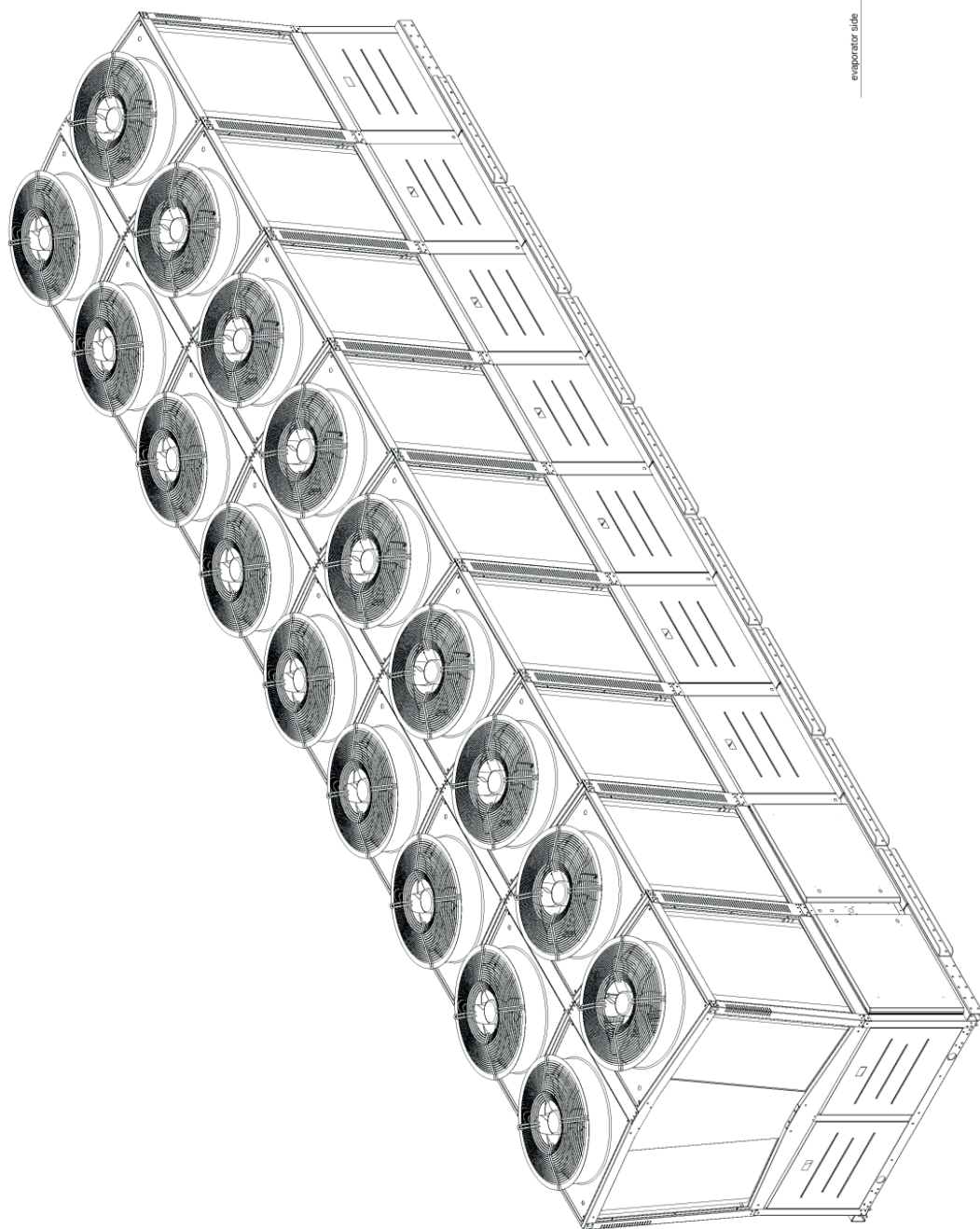
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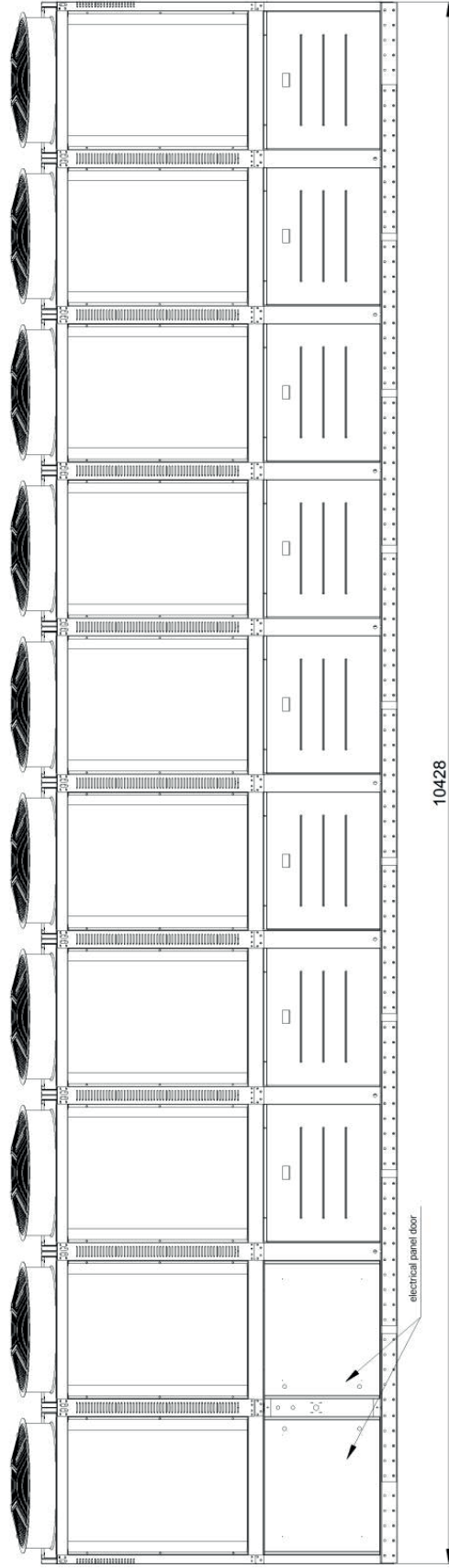
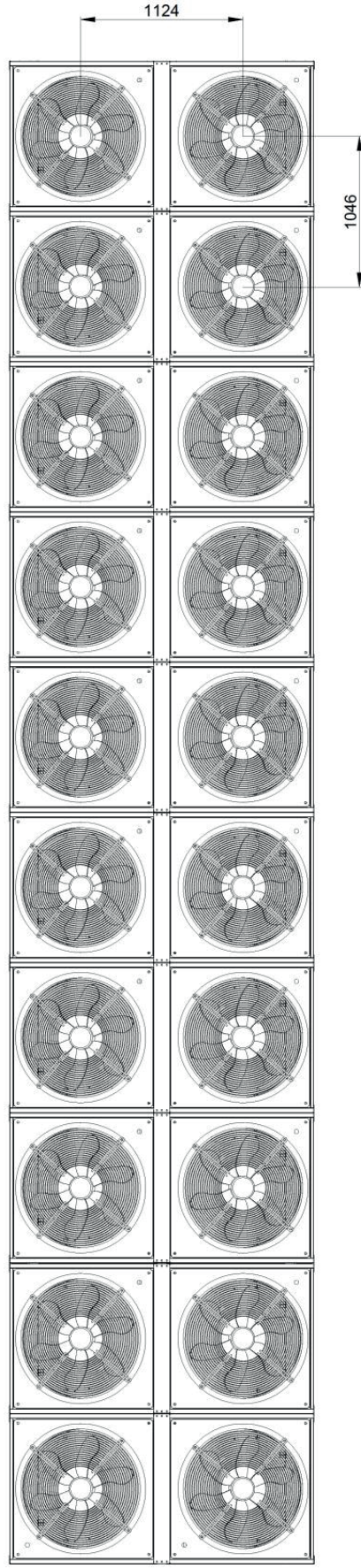
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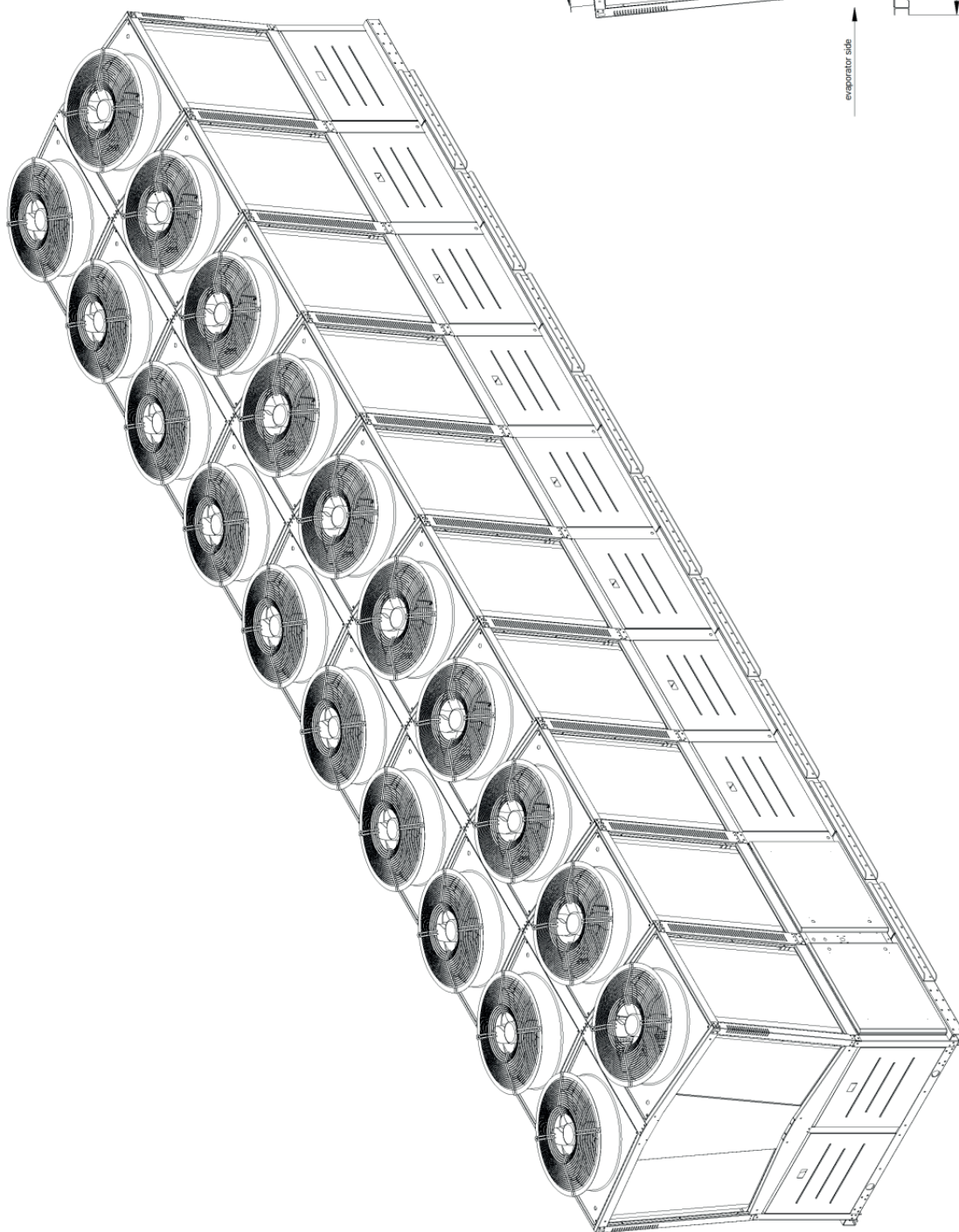
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(unit : mm)



(unit : mm)



(unit : mm)



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