

DISCOVER
easyCOMFORT

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Midea Building Technologies Division
10C202501

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Midea reserves the right to change the specifications of the product, and to withdraw or replace products without prior notification or public announcement. Midea is constantly developing and improving its products.



AirBoost

Air Cooled Screw Chiller

T1/ T3/ LA/ FC

MBT

Midea Building Technologies (MBT) is a key division of the Midea Group, a leading provider of comprehensive, intelligent-building solutions including energy sources, elevators, control systems and heating, ventilation and air conditioning.

Built on a foundation of innovation, Midea has emerged as a global leader in the HVAC and building management industry. Our unwavering dedication to research and development coupled with an extensive network of global partners has given birth to cutting-edge technologies that provide innovative solutions to our customers around the world.

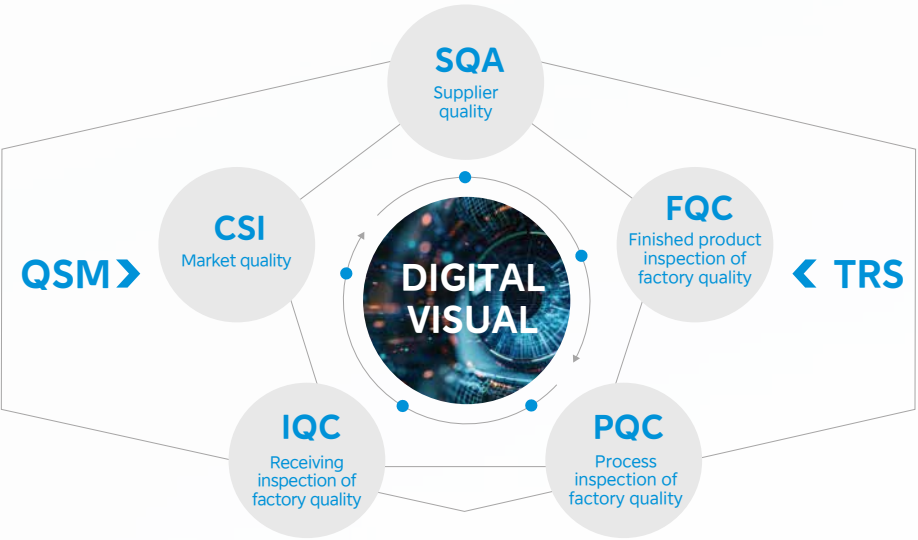
Committed to providing users with intelligent, digital, low carbon overall building solution



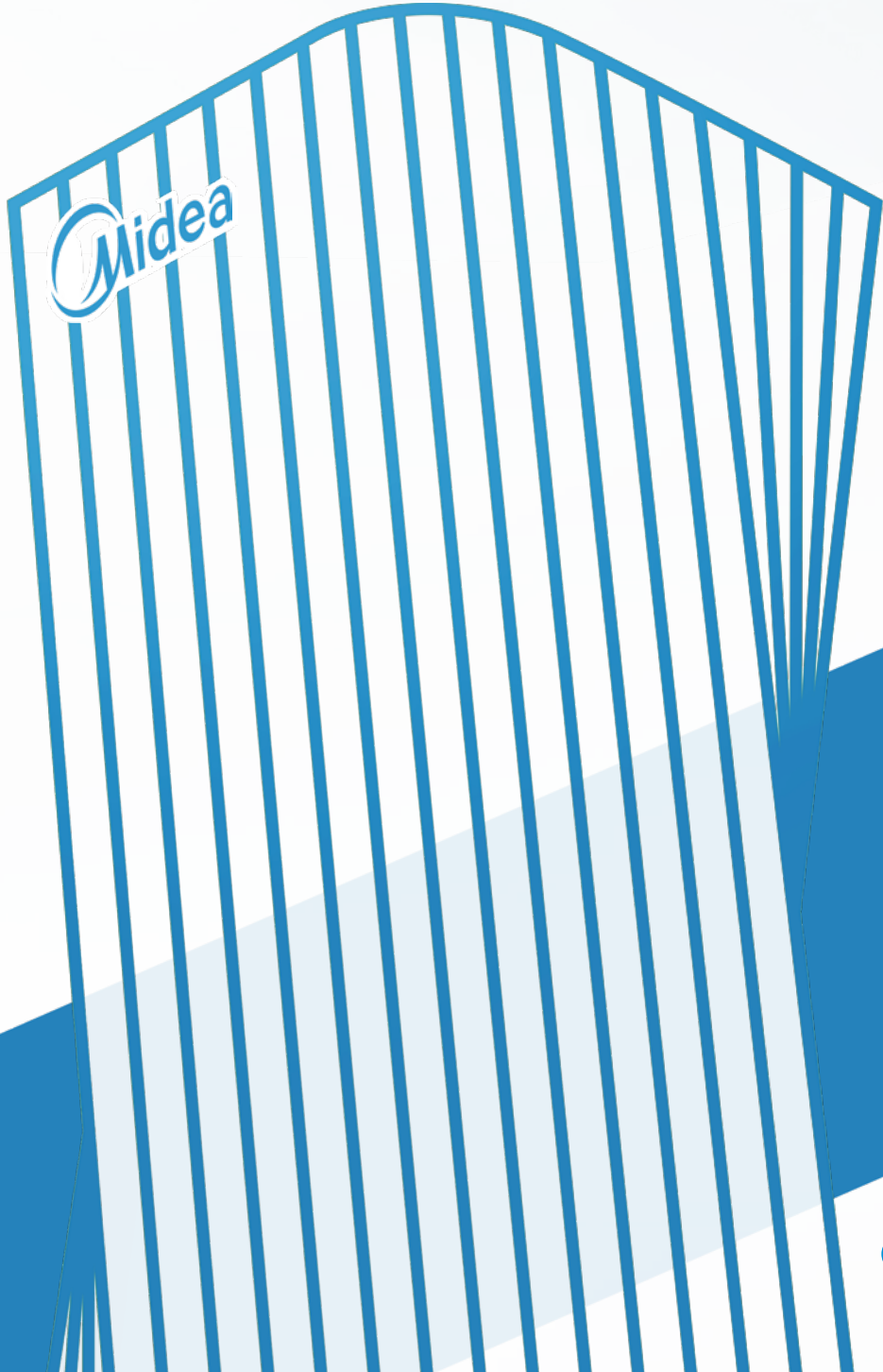
Over 100 testing labs cover a wide range of real application scenarios.



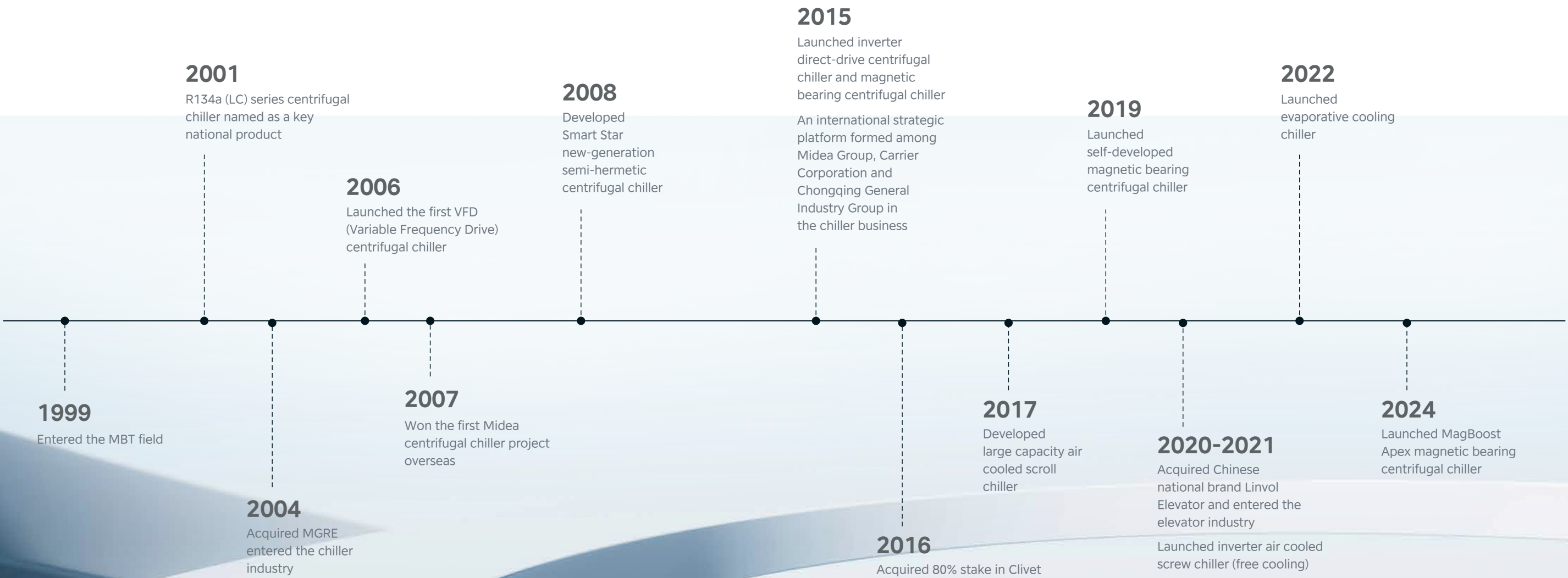
All products can be visualized and digitalized throughout entire process.



4 global manufacturing locations assure timely delivery with less sensitivity to supply chain interruption.



MIDEA LARGE TONNAGE CHILLER HISTORY



INTERNATIONAL SERVICE MANAGEMENT

Our International Service Management (ICS) system provides customers with professional technical support. Through ICS, you can download product information/documentation, get help with technical questions and troubleshooting, submit complaints and order parts using our self-service interface.

🔍 > <https://ics.midea.com> 🗣️ 📷



My order

Inquire about spare parts from an exploded view and place orders for spare parts directly in ICS.

Document inquiry and download

View or download product technical documentation online, such as catalogs, images, training PPTs and other assets.

Technical inquiry & FAQ

Ask technical questions online and receive a prompt response from our technicians or browse the FAQ for answers to commonly asked questions.

Troubleshooting

Query the error code and solution by SN, model name, error code or product type.

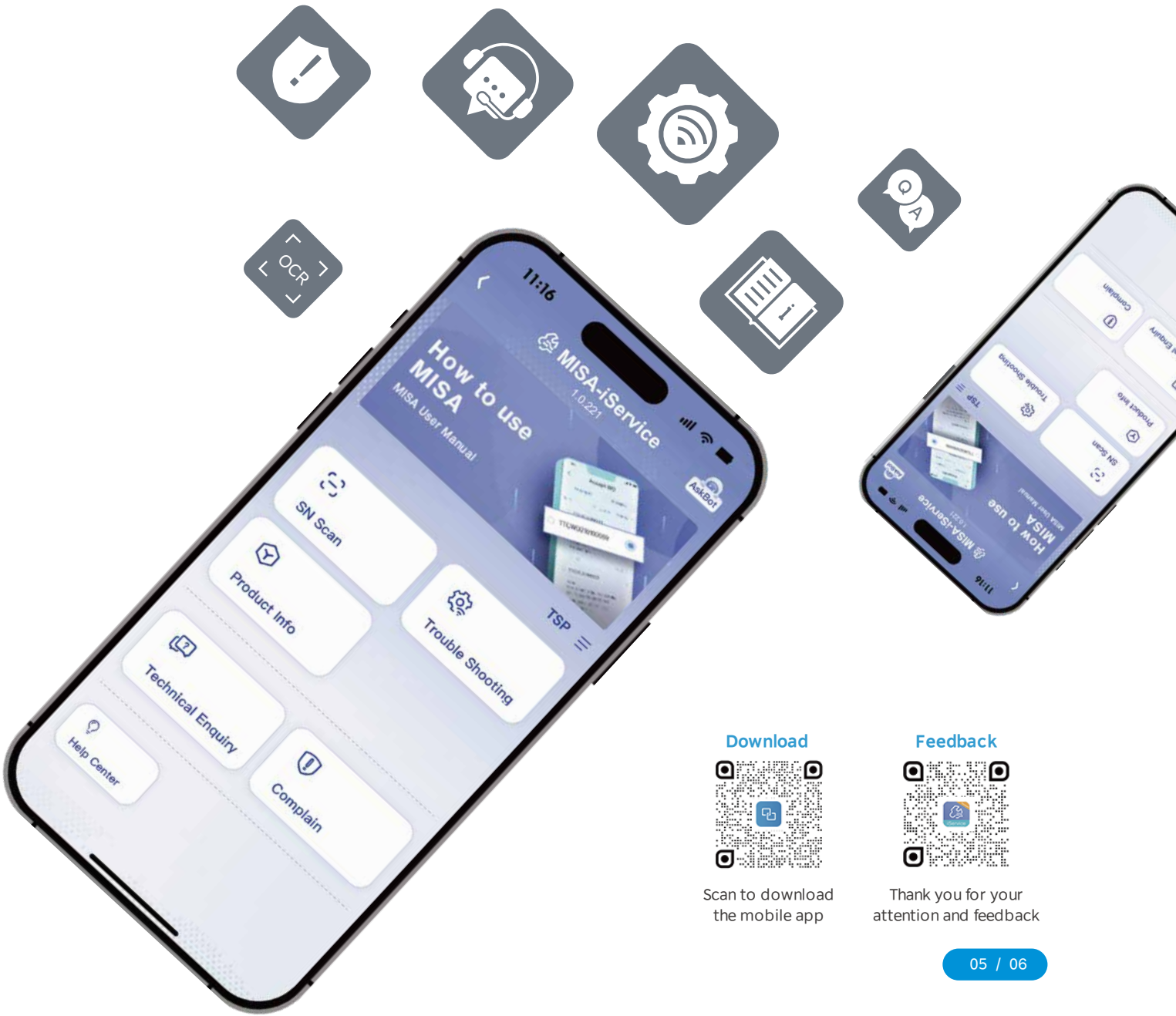
Complain

Submit product quality complaints online, and our after-sales engineers will respond promptly.

MOBILE INTELLIGENCE SERVICE APP

The Mobile Intelligence Service App (MISA) is the mobile version of ICS and features the same functionality. MISA often makes getting technical support timelier and more convenient.

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GLOBAL BULK WAREHOUSE LAYOUT OVERVIEW

Available Spare Parts centers 30

Europe (10):

Italy/Germany/France/UK/Spain/Poland/Hungary/Greece/Turkey/Romania

Asia-Africa (10):

China/Russia/Georgia/UAE/Egypt/Uzbekistan/India/South Africa/Iraq/Qatar

Latin America (5):

Mexico/Puerto Rico/Venezuela/Brazil/Australia

South-East Asia (5):

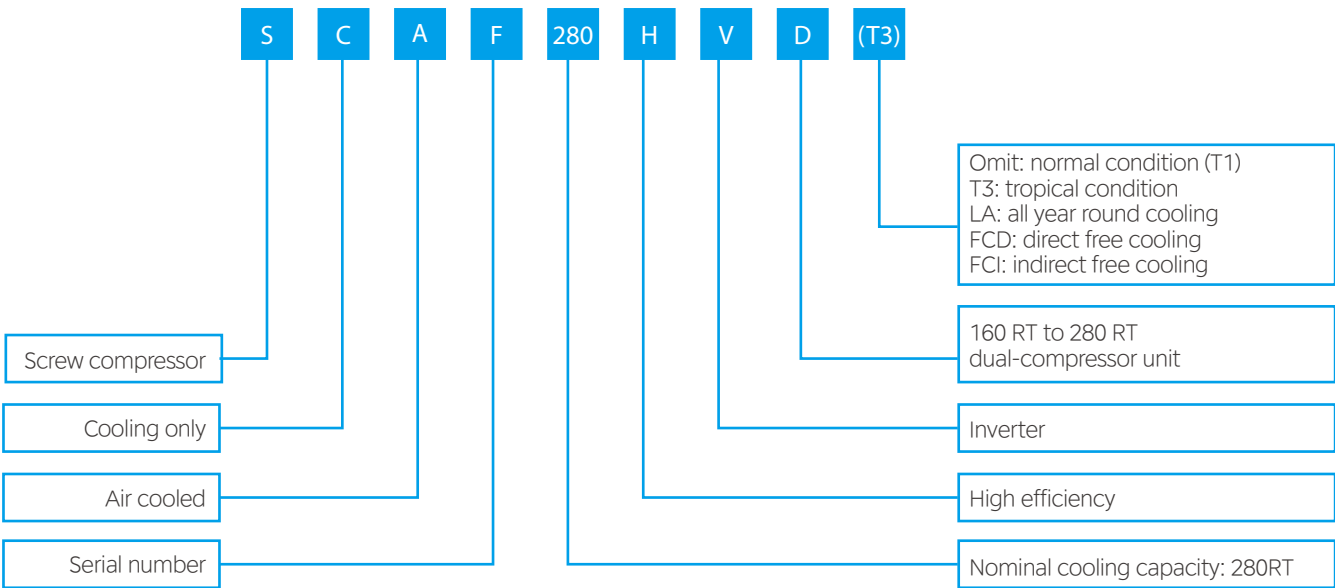
Vietnam/Thailand/Malaysia/Indonesia/Philippines



AirBoost

AirBoost air cooled screw chiller is engineered for peak efficiency across all operating conditions. With quick-start and low noise levels, it's an ideal solution for large and medium-sized commercial, civil, or industrial buildings, as well as data centers and temperature-sensitive environments like pharmaceutical labs, hospitals, and manufacturing facilities with constant cooling needs. The low noise operation ensures minimal disturbance to occupants in guest rooms or meeting rooms.

Nomenclature

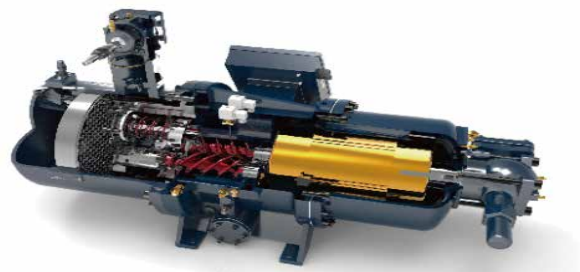


Key components



FEATURES

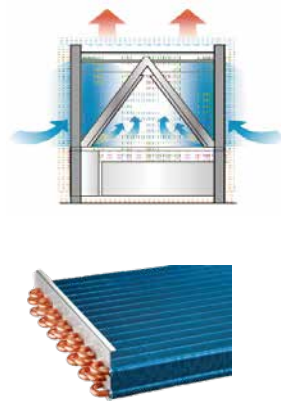
High efficiency screw compressor



- The screw rotor utilizes an optimized compression profile design that ensures superior volume efficiency while minimizing compressor leakage. The twin screw rotor features an asymmetrical five-teeth to six-teeth design and is machined to tolerances as precise as a single micron, ensuring stability and reliability.
- A refrigerant-cooled, large-capacity inverter design enhances motor efficiency, with the screw rotor directly driven by the motor. This configuration reduces the number of moving parts, leading to less wear and higher mechanical efficiency.
- The compressor features the latest variable frequency technology, ensuring high efficiency across all operating conditions.

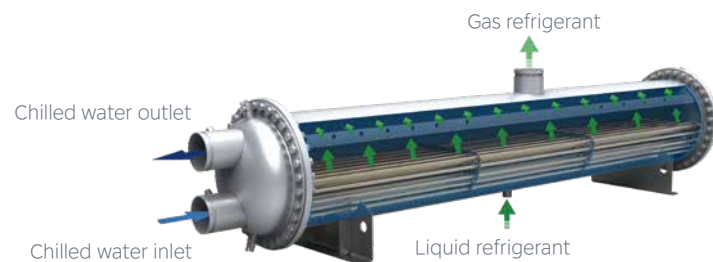
High efficiency air side heat exchanger

- The fan impeller design has been optimized using advanced flow field software to achieve superior aerodynamic performance. This ensures the fan operates with reduced noise while delivering a larger air volume, which enhances the heat transfer efficiency on the air side.
- An inverted M-type air-side heat exchanger evenly distributes airflow for high efficiency heat exchange.
- High-efficiency inner-threaded pipes combined with high-quality arc-shaped window aluminum fins improve heat transfer efficiency, minimize pressure loss, and reduce noise, leading to quieter, more efficient operation.
- Designed using sophisticated temperature field simulation software



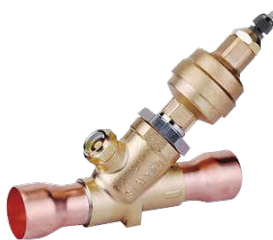
High efficiency flooded evaporator

- A specialized refrigerant distributor ensures even distribution, optimizing the temperature field and raising the evaporation temperature, thereby increasing overall operating efficiency.
- Specially-designed baffle plate prevents liquid from being sucked inside the compressor, protecting it from potential damage while improving reliability.
- Water boxes at both ends can be disassembled for easy maintenance.



High precision EXV

- Sourced from internationally renowned brands, stable and reliable quality.
- Responsive with no hysteresis for improved unit energy efficiency.
- PID high-precision adjustment ensures stability and efficiency under all operating conditions.



High precision EXV

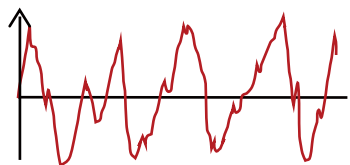
VS



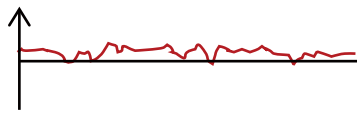
Traditional thermal expansion valve

0.1Hz inverter technology

State-of-the-art inverter regulation technology can fine-tune the motor's operating frequency to 0.1Hz, ensuring high-precision water temperature control. Advanced algorithms predict temperature trends and perform self-diagnosis to prevent issues before they arise, minimizing temperature fluctuations and avoiding unnecessary shutdowns.



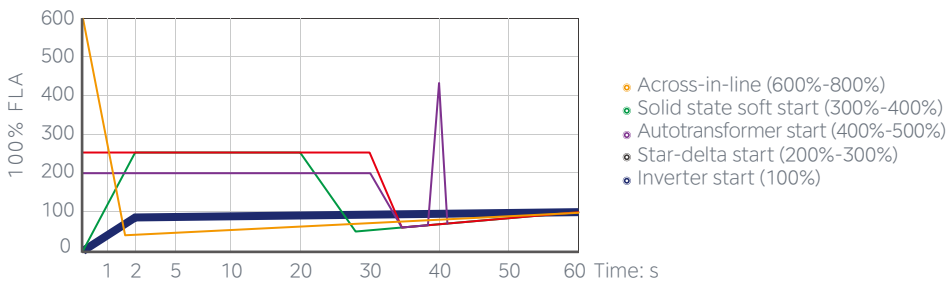
Temperature change under conventional control



Temperature change under prospective control

Zero in-rush current

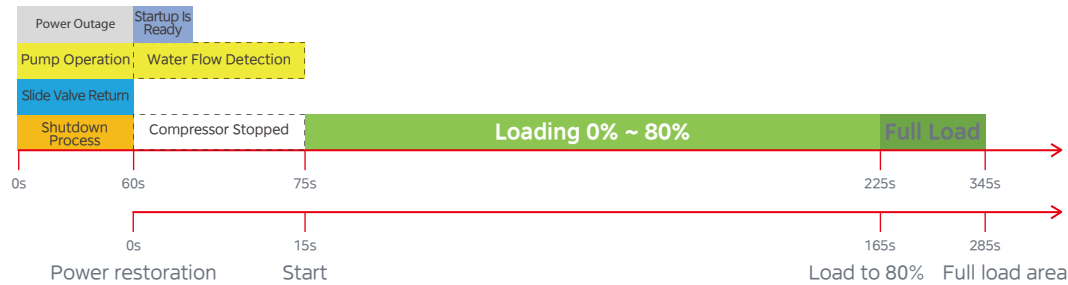
An inverter start mode produces zero in-rush current during start up, ensuring the safety and reliability of the power grid.



FEATURES

Quick start (optional)

Quick start is essential for temperature-sensitive applications like data centers, low-temperature manufacturing, and hospitals, where rapid cooling recovery after a power failure is critical. Example: Water pump with UPS, chiller with UPS, power supply will be restored 60 seconds after the power is cut off. Upon power failure, the slide valve is in its 100% position



Note: Quick start rapidly restores the load after a power interruption.

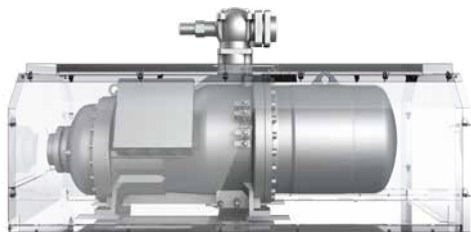
Reliable and easy installation

- Modular design, with a maximum of 8 units in combination.
- Each unit utilizes 1 or 2 compressors that are equipped with independent refrigeration circuits.
- In a 2-circuit unit, the compressors can serve as backups for each other. The run time of each compressor in a 2-circuit unit, as well as each unit in the entire system, can be balanced to ensure equal service life for all.
- A single point electrical connection is standard for 160 RT to 280 RT dual-compressor units and it is optional for other models of dual-compressor units.
- No need for a dedicated equipment room or the purchase of a cooling tower and other accessories.



Quiet operation

- Optimized system design eliminates noise caused by flow.
- 5~10dBA noise reduction (standard with sound insulation box and low noise fan).



The inner wall of the box includes highly effective silencing materials



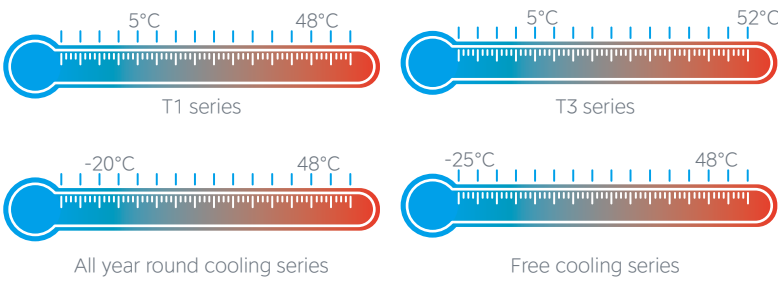
Low noise fan

Eco friendly

R134a refrigerant has zero ozone depletion potential and is not currently scheduled for phase-out. It complies with the Montreal Protocol.

Wide ambient temperature range

The unit can operate stably under extreme conditions, ranging from -25°C to 52°C.



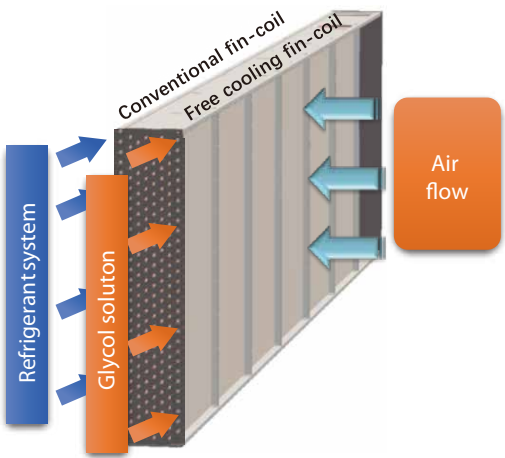
Intelligent control

- 7-inch full-color touch screen.
- Real-time operating parameters display (temperature, pressure, etc.)
- Three-level password setting to prevent unauthorized operation.
- Detailed fault information recording.
- Power-off memory function.
- Timed ON/OFF.
- Master & Slave, Back-up, Duty cycling.
- Compatible with QuickView, M-Cloud, Midea Intelligent Chiller Plant Management (iCPM) and M-BMS.



Free cooling solutions

- For industrial or civil applications requiring stable cooling capacity regardless of outdoor conditions, a solution that utilizes low outdoor temperatures for free cooling is ideal. When the outdoor temperature is lower than the system's return water temperature, the free cooling system harnesses cold air from the environment, reducing or even stopping compressor operation.
- Midea's solution features a built-in free cooling heat exchanger, saving space, with free cooling and compressor refrigeration sharing a single set of fans for improved energy efficiency and easier maintenance.

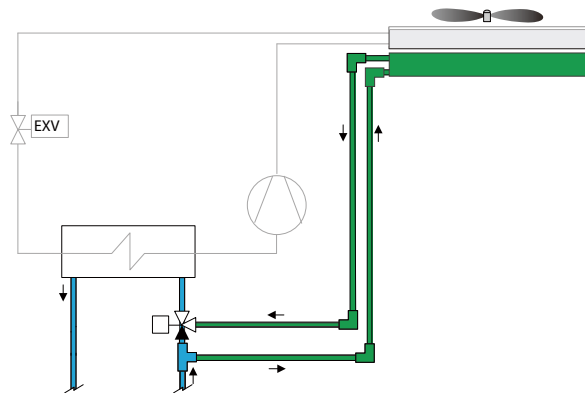


FEATURES

Two configurations

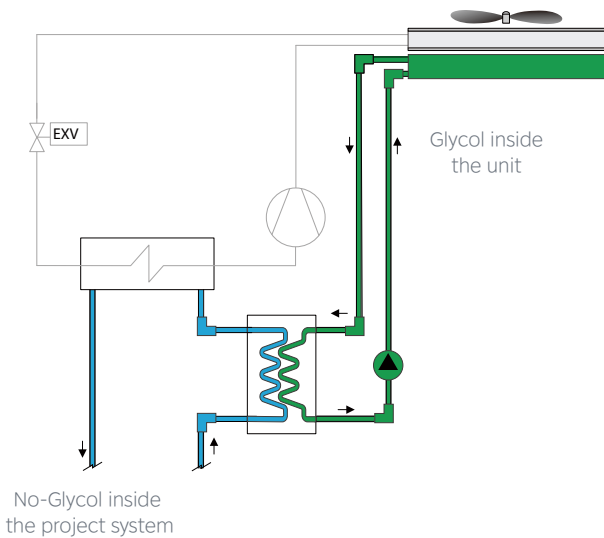
•Direct free cooling

Circulating water in the project system is with glycol.
Free cooling fin + electric three-way valve, achieve free cooling at low ambient temperature.
Direct heat exchange, high heat exchange efficiency.
Overall project circulating water is anti-freeze liquid, strong anti-freezing ability.
Client requires consideration of glycol system design.



•Indirect free cooling

Circulating water in the system is conventional water.
Free cooling fin, plate heat exchanger and glycol circulating pump forms a closed system.
Equipped with plate heat exchanger, transfer the whole project is supplied with free cooling energy.
The terminal system and the water pump is not affected by performance attenuation or water resistance increase caused by antifreeze liquid.
Two-stage heat exchange can reduce heat exchange requirements of the compressor. No need for special water-system design.



Three operating modes

Summer

Free cooling is off.
Compression cycle is on.

Spring & Fall Seasons

Free cooling is on.
Compression cycle is on.

Winter

Free cooling is on.
Compression cycle is off.

Specifications

T1, T3, LA

T1 series	Model	SCAF115HV	SCAF140HV	SCAF175HV	SCAF205HV	SCAF240HV	
T3 series	Model	SCAF115HV(T3)	SCAF140HV(T3)	SCAF175HV(T3)	SCAF205HV(T3)	SCAF240HV(T3)	
All year round cooling series	Model	SCAF115HV(LA)	SCAF140HV(LA)	SCAF175HV(LA)	SCAF205HV(LA)	SCAF240HV(LA)	
Nominal parameters	Cooling capacity	kW (Ton)	397.0 (112.9)	493.0 (140.2)	618.2 (175.8)	723.9 (205.9)	844.6 (240.2)
	Power input	kW	116.5	143.6	181.3	212.3	247.5
	Cooling COP	kW/kW (kW/Ton)	3.40 (1.031)	3.43 (1.024)	3.41 (1.031)	3.41 (1.031)	3.41 (1.030)
	IPLV	kW/kW (kW/Ton)	5.01 (0.701)	5.07 (0.696)	5.04 (0.698)	5.04 (0.698)	5.01 (0.702)
Compressor	Type	Semi-hermetic twin-rotor screw compressor, inverter					
	Quantity	1	1	1	1	1	
Energy regulation mode		Single compressor 20%-100% , Dual compressor 10%-100%					
Refrigerant	Type	R134a	R134a	R134a	R134a	R134a	
	Charge amount	kg (lb)	126 (278)	148 (326)	168 (370)	192 (423)	225 (496)
Power supply		380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz	
Air side heat exchanger	Type	Fin-coil	Fin-coil	Fin-coil	Fin-coil	Fin-coil	
	No. of fans	6	8	10	12	14	
	Motor power input	kW	2.0	2.0	2.0	2.0	2.0
Water side heat exchanger	Type	Shell and tube	Shell and tube	Shell and tube	Shell and tube	Shell and tube	
	Water flow	m³/h (US gpm)	68.04 (299.6)	84.49 (372.0)	105.9 (466.4)	124.0 (546.2)	144.7 (637.2)
	Water side pressure drop	kPa (ftH₂O)	42.0 (14.0)	43.5 (14.5)	72.6 (24.3)	68.5 (22.9)	79.6 (26.6)
	Water pipe connection	mm (in)	150 (5.9)	150 (5.9)	150 (5.9)	150 (5.9)	150 (5.9)
	Max. working pressure	MPa	1.0	1.0	1.0	1.0	1.0
Unit dimensions	Length	mm (in)	4440 (174.8)	T1, LA: 5440 (214.2) T3: 5240 (206.3)	6245 (245.9)	7250 (285.4)	8255 (325.0)
	Width	mm (in)	2300 (90.55)	2300 (90.55)	2300 (90.55)	2300 (90.55)	2300 (90.55)
	Height	mm (in)	2460 (96.85)	2460 (96.85)	2460 (96.85)	2460 (96.85)	2460 (96.85)
Unit weight		kg (lb)	4240 (9348)	4950 (10913)	5500 (12125)	6170 (13603)	7050 (15543)
Operating weight		kg (lb)	4440 (9789)	5150 (11354)	5720 (12610)	6410 (14132)	7330 (16160)

Note:
1. Performance and efficiency are based on AHRI 551/591.
Cooling: chilled water inlet/outlet=12°C(53.6°F)/7°C(44.6°F); fouling factor=0.018 m²·°C/kW(0.000102h·ft²·°F/Btu), outdoor ambient temperature 35°C(95°F) DB.
2. As a result of the continuous improvement of the product, the above parameters may change. Please ease refer to the product nameplate and in-kind.
3. T1, T3 and FC series are AHRI certified.

Specifications

T1, T3, LA

T1 series		Model	SCAF275HV	SCAF330HV	SCAF385HV	SCAF410HV
T3 series		Model	SCAF275HV(T3)	SCAF330HV(T3)	SCAF385HV(T3)	SCAF410HV(T3)
All year round cooling series		Model	SCAF275HV(LA)	SCAF330HV(LA)	SCAF385HV(LA)	SCAF410HV(LA)
Nominal parameters	Cooling capacity	kW (Ton)	965.1 (274.5)	1162 (330.4)	1368 (389.1)	1449 (412.0)
	Power input	kW	283.7	340.3	401.2	425.0
	Cooling COP	kW/kW (kW/Ton)	3.40 (1.034)	3.41(1.030)	3.41(1.031)	3.40 (1.032)
	IPLV	kW/kW (kW/Ton)	5.008 (0.7021)	4.996 (0.7036)	4.988 (0.7049)	5.080 (0.6921)
Compressor	Type	Semi-hermetic twin-rotor screw compressor, inverter				
	Quantity		1	2	2	2
Energy regulation mode		Single compressor 20%-100% , Dual compressor 10%-100%				
Refrigerant	Type		R134a	R134a	R134a	R134a
	Charge amount	kg (lb)	280 (617)	2×168 (2×370)	2×200 (2×441)	2×200 (2×441)
Power supply			380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz
Air side heat exchanger	Type		Fin-coil	Fin-coil	Fin-coil	Fin-coil
	No. of fans		16	18	20	20
	Motor power input	kW	2.0	2.0	2.0	2.0
Water side heat exchanger	Type		Shell and tube	Shell and tube	Shell and tube	Shell and tube
	Water flow	m³/h (US gpm)	165.4 (728.2)	199.1 (876.5)	234.5 (1032)	248.2 (1092)
	Water side pressure drop	kPa (ftH₂O)	72.3 (24.2)	75.1 (25.1)	73.5 (24.6)	74.8 (25.0)
	Water pipe connection	mm (in)	200 (7.9)	200 (7.9)	200 (7.9)	200 (7.9)
	Max. working pressure	MPa	1.0	1.0	1.0	1.0
Unit dimensions	Length	mm (in)	9260 (364.6)	10265 (404.1)	11270 (443.7)	11270 (443.7)
	Width	mm (in)	2300 (90.55)	2300 (90.55)	2300 (90.55)	2300 (90.55)
	Height	mm (in)	2460 (96.85)	2460 (96.85)	2460 (96.85)	2460 (96.85)
Unit weight		kg (lb)	7600 (16755)	9800 (21605)	10980 (24207)	10980 (24207)
Operating weight		kg (lb)	7940 (17505)	10160 (22399)	11380 (25089)	11380 (25089)

Note:
1. Performance and efficiency are based on AHRI 551/591.
Cooling: chilled water inlet/outlet=12°C(53.6°F)/7°C(44.6°F); fouling factor=0.018 m²·°C/kW(0.000102h·ft²·°F/Btu), outdoor ambient temperature 35°C(95°F) DB.
2. As a result of the continuous improvement of the product, the above parameters may be changed, please refer to the product nameplate and in-kind.
3. T1, T3 and FC series are AHRI certified.

FCD

Direct free cooling series		Model	SCAF110HV(FCD)	SCAF130HV(FCD)	SCAF165HV(FCD)	SCAF195HV(FCD)
Nominal parameters	Cooling capacity	kW (Ton)	378.9 (107.8)	448.3 (127.5)	571.1 (162.4)	671.6 (191.0)
	Power input	kW	124.4	144.2	186.6	220.6
	Cooling COP	kW/kW (kW/Ton)	3.04 (1.154)	3.10 (1.131)	3.06 (1.149)	3.04 (1.155)
	IPLV	kW/kW (kW/Ton)	4.72 (0.744)	4.70 (0.748)	4.70 (0.748)	4.70 (0.748)
Nominal parameters	Cooling capacity	kW (Ton)	378.9 (107.8)	448.3 (127.5)	571.1 (162.4)	671.6 (191.0)
	Power input	kW	19.83	19.84	24.79	29.75
	COP	kW/kW (kW/Ton)	19.11 (0.184)	22.60 (0.155)	23.04 (0.152)	22.58 (0.155)
Ambient temperature of free cooling only		℃	1.3	-0.2	-0.4	-0.2
Compressor	Type	Semi-hermetic twin-rotor screw compressor, inverter				
	Quantity		1	1	1	1
Energy regulation mode		Single compressor 20%-100% , Dual compressor 10%-100%				
Refrigerant	Type		R134a	R134a	R134a	R134a
	Charge amount	kg (lb)	140 (309)	148 (326)	168 (370)	192 (423)
Power supply			380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz
Air side heat exchanger	Type		Fin-coil	Fin-coil	Fin-coil	Fin-coil
	No. of fans		8	8	10	12
	Motor power input	kW	2.5	2.5	2.5	2.5
Water side heat exchanger	Type		Shell and tube	Shell and tube	Shell and tube	Shell and tube
	Water flow	m³/h (US gpm)	70.48 (310.3)	83.39 (367.2)	106.2 (467.8)	124.9 (550.1)
	Water side pressure drop	kPa (ftH₂O)	50.0 (16.7)	47.4 (15.9)	81.6 (27.3)	77.6 (26.0)
	Pressure drop (free cooling is on)		87.2 (29.18)	95.6 (31.99)	165.3 (55.31)	106.0 (35.47)
	Water pipe connection	mm (in)	150 (5.9)	150 (5.9)	150 (5.9)	150 (5.9)
	Max. working pressure	MPa	1.0	1.0	1.0	1.0
Unit dimensions	Length	mm (in)	5740 (226.0)	5540 (218.1)	6545 (257.7)	7650 (301.2)
	Width	mm (in)	2300 (90.55)	2300 (90.55)	2300 (90.55)	2300 (90.55)
	Height	mm (in)	2460 (96.85)	2460 (96.85)	2460 (96.85)	2460 (96.85)
Unit weight		kg (lb)	5780 (12743)	6350 (13999)	6900 (15212)	7800 (17196)
Operating weight		kg (lb)	6280 (13845)	6890 (15190)	7500 (16535)	8500 (18739)

Note:
1. Performance and efficiency are based on AHRI 551/591. Cooling: chilled water inlet/outlet=12°C(53.6°F)/7°C(44.6°F); fouling factor=0.018 m²·°C/kW(0.000102h·ft²·°F/Btu), outdoor ambient temperature 35°C(95°F) DB. Ethylene glycol: 25%.
2. As a result of the continuous improvement of the product, the above parameters may be changed, please refer to the product nameplate and in-kind.
3. T1, T3 and FC series are AHRI certified.

Specifications

FCD

Direct free cooling series		Model	SCAF225HV(FCD)	SCAF260HV(FCD)	SCAF310HV(FCD)	SCAF370HV(FCD)
Nominal parameters	Cooling capacity	kW (Ton)	775.0 (220.4)	895.5 (254.7)	1069 (304.0)	1274 (362.3)
	Power input	kW	252.6	293.5	347.9	417.8
	Cooling COP	kW/kW (kW/Ton)	3.06 (1.146)	3.05 (1.152)	3.07 (1.145)	3.05 (1.153)
	IPLV	kW/kW (kW/Ton)	4.70 (0.748)	4.70 (0.749)	4.82 (0.730)	4.82 (0.730)
Nominal parameters	Cooling capacity	kW (Ton)	775.0 (220.4)	895.5 (254.7)	1069 (304.0)	1274 (362.3)
	Power input	kW	34.70	39.66	44.64	49.58
	COP	kW/kW (kW/Ton)	22.33 (0.157)	22.58 (0.155)	23.95 (0.146)	25.71 (0.136)
Ambient temperature of free cooling only		℃	0.0	-0.1	-0.6	-1.4
Compressor	Type	Semi-hermetic twin-rotor screw compressor, inverter				
	Quantity		1	1	2	2
Energy regulation mode		Single compressor 20%-100% , Dual compressor 10%-100%				
Refrigerant	Type		R134a	R134a	R134a	R134a
	Charge amount	kg (lb)	225 (496)	280 (617)	2×168 (2×370)	2×200 (2×441)
Power supply			380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz
Air side heat exchanger	Type		Fin-coil	Fin-coil	Fin-coil	Fin-coil
	No. of fans		14	16	18	20
	Motor power input	kW	2.5	2.5	2.5	2.5
Water side heat exchanger	Type		Shell and tube	Shell and tube	Shell and tube	Shell and tube
	Water flow	m³/h (US gpm)	144.2 (635.0)	166.6 (733.4)	198.8 (875.4)	237.1 (1044)
	Water side pressure drop	kPa (ftH₂O)	88.6 (29.7)	81.9 (27.4)	83.8 (28.0)	77.3 (25.9)
	Pressure drop (free cooling is on)		128.0 (42.86)	134 (44.87)	151.0 (50.56)	162.0 (54.24)
	Water pipe connection	mm (in)	150 (5.9)	200 (7.9)	200 (7.9)	200 (7.9)
	Max. working pressure	MPa	1.0	1.0	1.0	1.0
	Length	mm (in)	8655 (340.8)	9660 (380.3)	10665 (419.9)	11670 (459.5)
Unit dimensions	Width	mm (in)	2300 (90.55)	2300 (90.55)	2300 (90.55)	2300 (90.55)
	Height	mm (in)	2460 (96.85)	2460 (96.85)	2460 (96.85)	2460 (96.85)
Unit weight		kg (lb)	9200 (20283)	9800(21605)	12350 (27227)	13520(29807)
Operating weight		kg (lb)	10000 (22046)	10700(23590)	13350 (29432)	14520 (32011)

Note:
1. Performance and efficiency are based on AHRI 551/591.Cooling: chilled water inlet/outlet=12°C(53.6°F)/7°C(44.6°F); fouling factor=0.018 m²·°C/kW(0.000102h·ft²·°F/Btu), outdoor ambient temperature 35°C(95°F) DB. Ethylene glycol: 25%.
2. As a result of the continuous improvement of the product, the above parameters may be changed, please refer to the product nameplate and in-kind.
3. T1, T3 and FC series are AHRI certified.

FCI

Indirect free cooling series		Model	SCAF110HV(FCI)	SCAF130HV(FCI)	SCAF165HV(FCI)	SCAF195HV(FCI)
Nominal parameters	Cooling capacity	kW (Ton)	386.8 (110.0)	457.7 (130.2)	583.1 (165.8)	685.7 (195.0)
	Power input	kW	125.5	145.4	188.2	222.5
	Cooling COP	kW/kW (kW/Ton)	3.08 (1.140)	3.14 (1.117)	3.09 (1.135)	3.08 (1.141)
	IPLV	kW/kW (kW/Ton)	4.72 (0.744)	4.70 (0.748)	4.70 (0.744)	4.708 (0.748)
Nominal parameters	Cooling capacity	kW (Ton)	386.8 (110.0)	457.7 (130.2)	583.1 (165.8)	685.7 (195.0)
	Power input	kW	25.10	25.71	31.60	37.60
	COP	kW/kW (kW/Ton)	15.41 (0.228)	17.80 (0.197)	18.45 (0.190)	18.24 (0.192)
Ambient temperature of free cooling only		℃	-1.2	-2.7	-2.9	-2.6
Ambient temperature of free cooling on		℃	9.1	8.9	8.9	8.9
Compressor	Type	Semi-hermetic twin-rotor screw compressor, inverter				
	Quantity		1	1	1	1
Energy regulation mode		Single compressor 20%-100% , Dual compressor 10%-100%				
Refrigerant	Type		R134a	R134a	R134a	R134a
	Charge amount	kg (lb)	140 (309)	148 (326)	168 (370)	192 (423)
Power supply			380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz
Air side heat exchanger	Type		Fin-coil	Fin-coil	Fin-coil	Fin-coil
	No. of fans		8	8	10	12
	Motor power input	kW	2.5	2.5	2.5	2.5
Water side heat exchanger	Type		Shell and tube	Shell and tube	Shell and tube	Shell and tube
	Water flow	m³/h (US gpm)	66.28 (291.8)	78.43 (345.3)	99.91 (439.9)	117.5 (517.3)
	Water side pressure drop	kPa (ftH₂O)	107 (35.9)	97.9 (32.8)	130 (43.8)	128 (43.1)
	Water pipe connection	mm (in)	150 (5.9)	150 (5.9)	150 (5.9)	150 (5.9)
	Max. working pressure	MPa	1.0	1.0	1.0	1.0
	Length	mm (in)	6745 (265.6)	6545 (257.7)	6545 (257.7)	7650 (301.2)
	Width	mm (in)	2300 (90.55)	2300 (90.55)	2300 (90.55)	2300 (90.55)
Unit dimensions	Height	mm (in)	2460 (96.85)	2460 (96.85)	2460 (96.85)	2460 (96.85)
	Width	mm (in)	2300 (90.55)	2300 (90.55)	2300 (90.55)	2300 (90.55)
Unit weight		kg (lb)	7450 (16424)	8020(17681)	8320 (18342)	9640 (21253)
Operating weight		kg (lb)	7950(17527)	8560(18872)	8920 (19665)	10340 (22796)

Note:
1. Performance and efficiency are based on AHRI 551/591.
Cooling: chilled water inlet/outlet=12°C(53.6°F)/7°C(44.6°F); fouling factor=0.018 m²·°C/kW(0.000102h·ft²·°F/Btu), outdoor ambient temperature 35°C(95°F) DB.
2. As a result of the continuous improvement of the product, the above parameters may be changed, please refer to the product nameplate and in-kind.
3. T1, T3 and FC series are AHRI certified.

Specifications

FCI

Indirect free cooling series		Model	SCAF225HV(FCI)	SCAF260HV(FCI)	SCAF310HV(FCI)	SCAF370HV(FCI)
Nominal parameters	Cooling capacity	kW (Ton)	791.2 (225.1)	914.3 (260.0)	1091 (310.4)	1301 (370.1)
	Power input	kW	254.8	296.0	350.9	432.4
	Cooling COP	kW/kW (kW/Ton)	3.10 (1.132)	3.08 (1.138)	3.11 (1.131)	3.08 (1.139)
	IPLV	kW/kW (kW/Ton)	4.70 (0.748)	4.72 (0.749)	4.82 (0.730)	4.82 (0.730)
Nominal parameters	Cooling capacity	kW (Ton)	791.2 (225.0)	914.3 (260.0)	1091 (310.4)	1301 (370.0)
	Power input	kW	44.00	51.60	62.02	72.00
	COP	kW/kW (kW/Ton)	18.09 (0.195)	17.72 (0.198)	17.60 (0.199)	18.19 (0.194)
Ambient temperature of free cooling only		℃	-2.5	-2.5	-3.1	-3.9
Ambient temperature of free cooling on		℃	9.49	8.90	8.90	8.80
Compressor	Type	Semi-hermetic twin-rotor screw compressor, inverter				
	Quantity		1	1	2	2
Energy regulation mode		Single compressor 20%-100% , Dual compressor 10%-100%				
Refrigerant	Type		R134a	R134a	R134a	R134a
	Charge amount	kg (lb)	225 (496)	280 (617)	2×168 (2×370)	2×200 (2×441)
Power supply			380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz
Air side heat exchanger	Type		Fin-coil	Fin-coil	Fin-coil	Fin-coil
	No. of fans		14	16	18	20
	Motor power input	kW	2.5	2.5	2.5	2.5
Water side heat exchanger	Type		Shell and tube	Shell and tube	Shell and tube	Shell and tube
	Water flow	m³/h (US gpm)	136.4 (600.4)	156.7 (689.8)	187.0 (823.3)	223.0 (980.0)
	Water side pressure drop	kPa (ftH₂O)	136 (45.5)	131 (44.0)	129 (43.2)	127 (42.5)
	Water pipe connection	mm (in)	150 (5.9)	200 (7.9)	200 (7.9)	200 (7.9)
	Max. working pressure	MPa	1.0	1.0	1.0	1.0
Unit dimensions	Length	mm (in)	8655 (340.8)	9660 (380.3)	11670 (459.5)	11670 (459.5)
	Width	mm (in)	2300 (90.55)	2300 (90.55)	2300 (90.55)	2300 (90.55)
	Height	mm (in)	2460 (96.85)	2460 (96.85)	2460 (96.85)	2460 (96.85)
Unit weight		kg (lb)	11060 (24383)	12440 (27426)	14800(32628)	15700 (34613)
Operating weight		kg (lb)	11860 (26146)	13340 (29410)	15800(34833)	16700 (36817)

Note:
1. Performance and efficiency are based on AHRI 551/591.
Cooling: chilled water inlet/outlet=12°C(53.6°F)/7°C(44.6°F); fouling factor=0.018 m²·C/kW(0.000102h·ft²·°F/Btu), outdoor ambient temperature 35°C(95°F) DB.
2. As a result of the continuous improvement of the product, the above parameters may be changed, please refer to the product nameplate and in-kind.
3. T1, T3 and FC series are AHRI certified.

Dual compressor (175RT, 200RT, 230RT, 250RT, 280RT), T1, T3, LA

T1 series		Model	SCAF175HVD	SCAF200HVD	SCAF230HVD	SCAF250HVD	SCAF280HVD
T3 series		Model	SCAF175HVD(T3)	SCAF200HVD(T3)	SCAF230HVD(T3)	SCAF250HVD(T3)	SCAF280HVD(T3)
All year round cooling series		Model	SCAF175HVD(LA)	SCAF200HVD(LA)	SCAF230HVD(LA)	SCAF250HVD(LA)	SCAF280HVD(LA)
Nominal parameters	Cooling capacity	kW (Ton)	2.9 (177.2)	711.2 (202.3)	814.1 (231.5)	884.8 (251.7)	984.6 (280.0)
	Power input	kW	183.1	208.2	238.7	259.5	287.7
	Cooling COP	kW/kW (kW/Ton)	0 (1.034)	3.41 (1.029)	3.41 (1.031)	3.40 (1.031)	3.42 (1.028)
	IPLV	kW/kW (kW/Ton)	9 (0.703)	5.05 (0.696)	5.03 (0.698)	5.02 (0.700)	4.94 (0.712)
Compressor	Type	Semi-hermetic twin-rotor screw compressor					
	Quantity		2	2	2	2	2
Energy regulation mode		Dual compressor 10%-100%					
Refrigerant	Type		R134a	R134a	R134a	R134a	R134a
	Charge amount	kg (lb)	2×95 (2×209)	2×110 (2×243)	2×120 (2×265)	2×130 (2×287)	2×145 (2×320)
Power supply			380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz	380 V 3~ 50 Hz
Air side heat exchanger	Type		Fin-coil	Fin-coil	Fin-coil	Fin-coil	Fin-coil
	No. of fans		8	10	12	12	14
	Motor power input	kW	2.8	2.8	2.8	2.8	2.8
Water side heat exchanger	Type		Shell and tube	Shell and tube	Shell and tube	Shell and tube	Shell and tube
	Water flow	m³/h (US gpm)	106.7 (469.8)	121.9 (536.7)	139.5 (614.2)	151.6 (667.5)	168.7 (742.8)
	Water side pressure drop	kPa (ftH₂O)	37.7 (12.6)	82.7 (27.7)	85.4 (28.6)	87.8 (29.4)	86.1 (28.8)
	Water pipe connection	mm (in)	150 (5.9)	150 (5.9)	150 (5.9)	150 (5.9)	150 (5.9)
	Max. working pressure	MPa	1.0	1.0	1.0	1.0	1.0
Unit dimensions	Length	mm (in)	5240 (206.3)	6245 (245.9)	7250 (285.4)	T1, LA: 7250 (285.4) T3: 7750 (305.1)	8255 (325.0)
	Width	mm (in)	2300 (90.55)	2300 (90.55)	2300 (90.55)	2300 (90.55)	2300 (90.55)
	Height	mm (in)	2460 (96.85)	2460 (96.85)	2460 (96.85)	2460 (96.85)	2460 (96.85)
Unit weight		kg (lb)	6500 (14330)	7170 (15807)	7740 (17064)	T1, LA: 8350 (18409) T3: 8650 (19070)	T1, LA: 8950 (19731) T3: 9150 (20172)
Operating weight		kg (lb)	680 (14991)	7470 (16469)	8040 (17725)	T1, LA: 8650 (19070) T3: 8950 (19731)	T1, LA: 9250 (20393) T3: 9450 (10934)

Note:
1. Performance and efficiency are based on AHRI 551/591.
Cooling: chilled water inlet/outlet=12°C(53.6°F)/7°C(44.6°F); fouling factor=0.018 m²·C/kW(0.000102h·ft²·°F/Btu), outdoor ambient temperature 35°C(95°F) DB.
2. The dimensions of SCAF160-250HVD(LA) are applicable to chillers with antifreeze. If using fresh water, the length "A" of unit needs to be increased by 500 mm.
3. As a result of the continuous improvement of the product, the above parameters may be changed, please refer to the product nameplate and in-kind.
4. T1 and T3 series are AHRI certified.

Note:

1. The drawings below contain models that can be selected using selection software or models that can be customized. As a result of the continuous improvement of the product, the following drawings may change. Please refer to the product in-kind.
2. Spring isolator is optional. The value in the spring isolator model indicates the bearable weight (unit: kg). Example: "1050" in "MHD-1050" indicates 1050 kg.

① Chilled water outlet DN150
 ② Chilled water inlet DN150
 ③ Control panel + VFD
 ④ Incoming power line

⑤ Electric control box
 ⑦ Installation foundation
 ⑧ Spring isolator installation hole $\Phi 14$

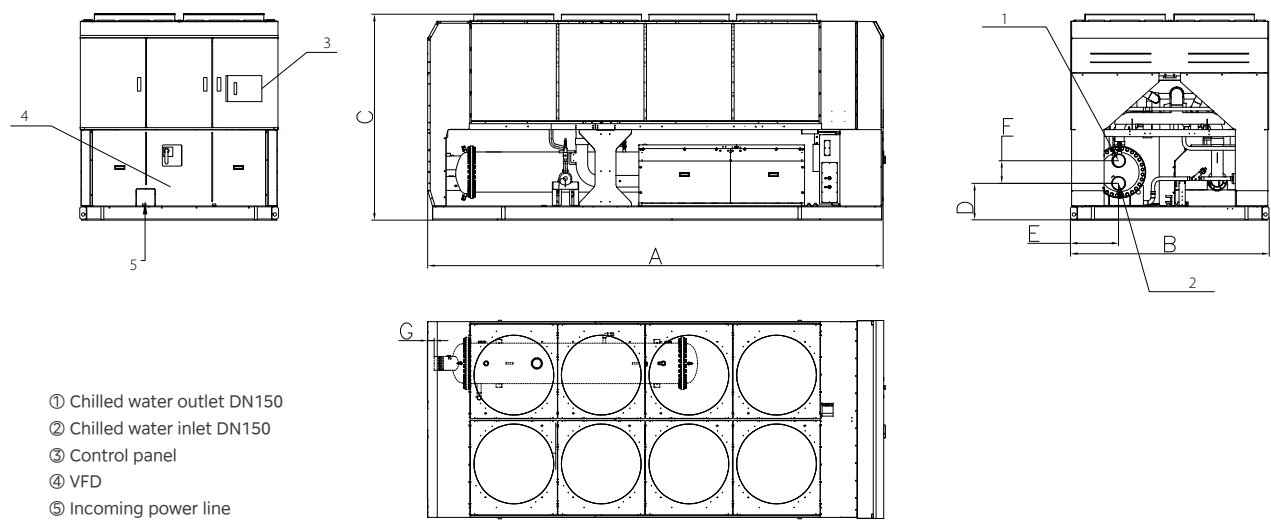
Model	Spring isolator at all points		
SCAF***HV, HV(T3), HV(LA)	P1	P2	P3
80,85,95,100,105,110,115,120	MHD-850	MHD-850	MHD-850

① Chilled water outlet DN150
 ② Chilled water inlet DN150
 ③ Control panel + VFD
 ④ Incoming power line

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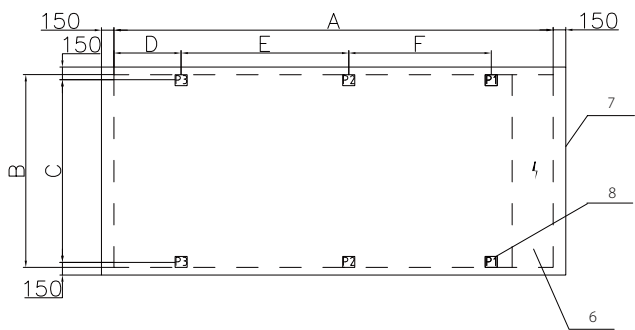
Model	Spring isolator at all points		
SCAF***HV, HV(LA)	P1	P2	P3
125,130,135,140,145	MHD-1050	MHD-1050	MHD-1050

125-145, single-compressor, T3



Model	Dimensions (unit: mm)						
SCAF***HV(T3)	A	B	C	D	E	F	G
125,130,135,140,145	5240	2300	2460	420	550	260	65

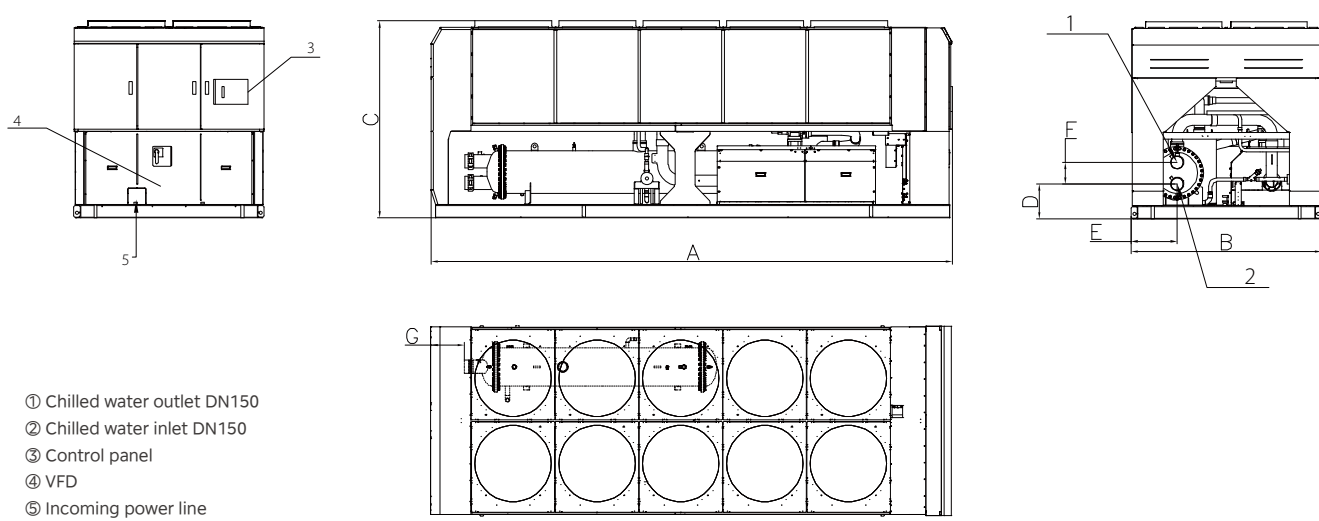
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole $\Phi 14$



Model	Dimensions (unit: mm)					
SCAF***HV(T3)	A	B	C	D	E	F
125,130,135,140,145	5240	2300	2180	800	2000	1700

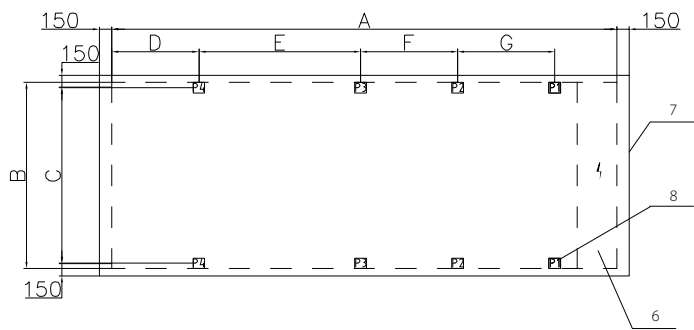
Model	Spring isolator at all points		
SCAF***HV(T3)	P1	P2	P3
125,130,135,140,145	MHD-1050	MHD-1050	MHD-1050

150-175, single-compressor, T1, T3, LA



Model	Dimensions (unit: mm)						
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G
150,160,165,170,175	6245	2300	2460	420	550	260	405

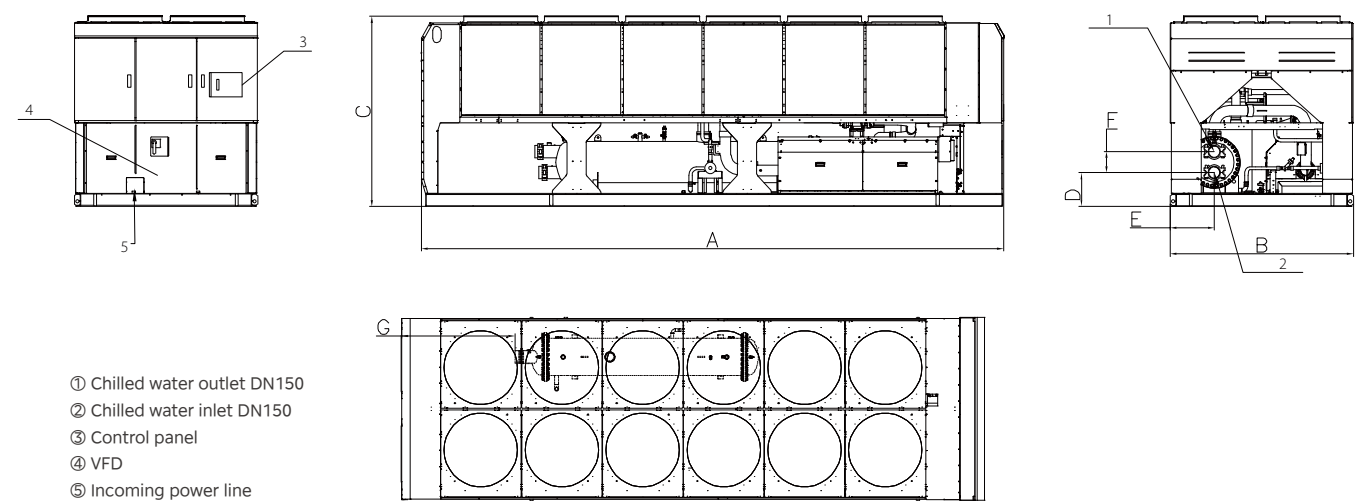
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole $\Phi 14$



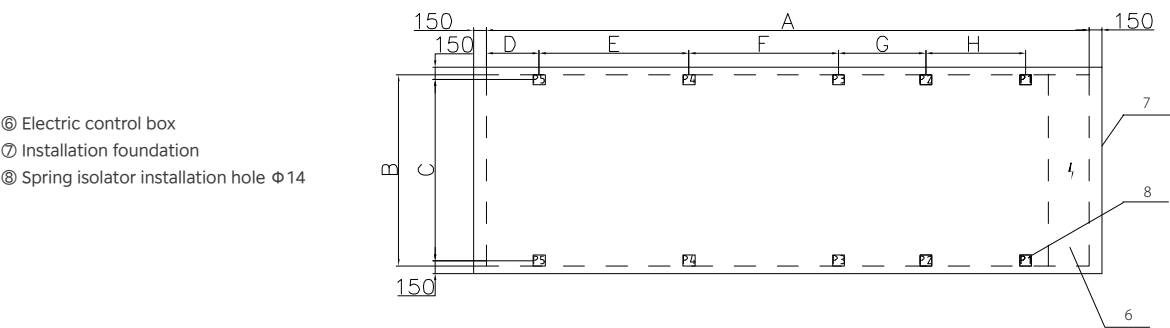
Model	Dimensions (unit: mm)						
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G
150,160,165,170,175	6245	2300	2180	1080	2000	1200	1200

Model	Spring isolator at all points			
SCAF***HV, HV(T3), HV(LA)	P1	P2	P3	P4
150,160,165,170,175	MHD-850	MHD-850	MHD-850	MHD-850

185-205, single-compressor, T1, T3, LA



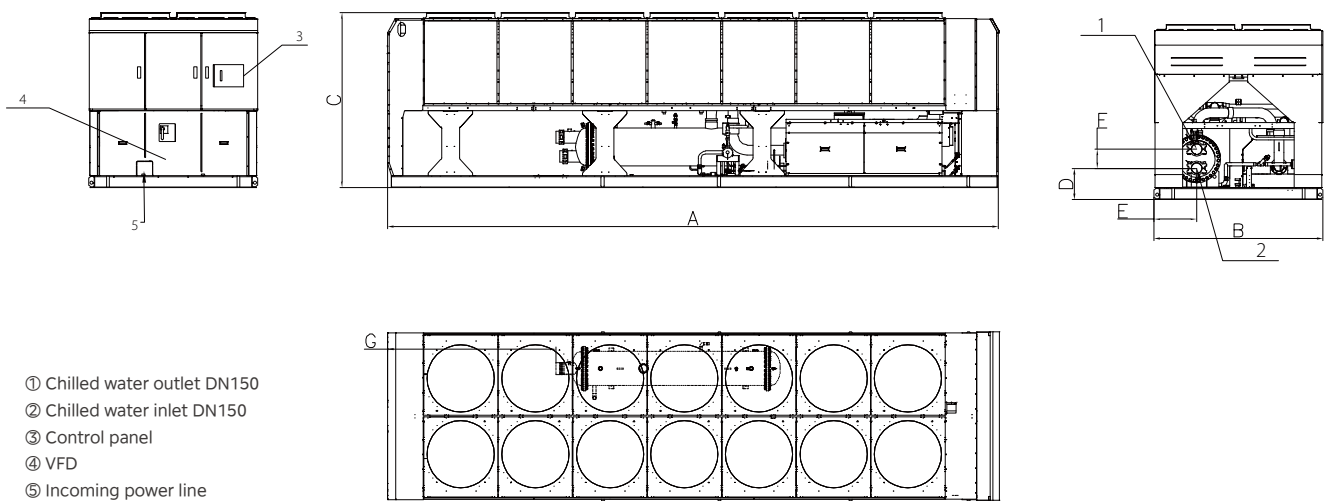
Model	Dimensions (unit: mm)						
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G
185,190,195,200,205	7250	2300	2460	420	550	260	1300



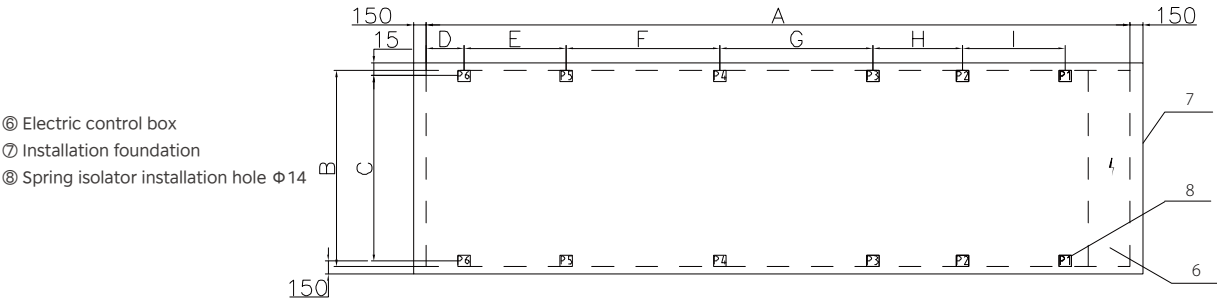
Model	Dimensions (unit: mm)							
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G	H
185,190,195,200,205	7250	2300	2180	635	1800	1800	1050	1200

Model	Spring isolator at all points				
SCAF***HV, HV(T3), HV(LA)	P1	P2	P3	P4	P5
185,190,195,200,205	MHD-850	MHD-850	MHD-850	MHD-850	MHD-850

215-255, single-compressor, T1, T3, LA



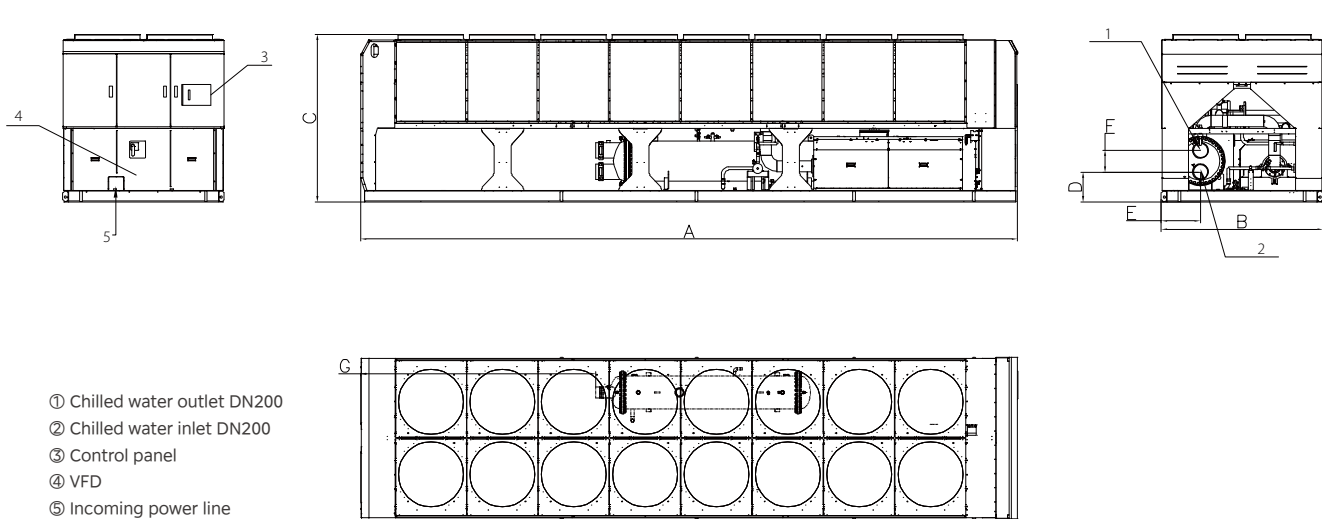
Model	Dimensions (unit: mm)						
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G
215,220,225,230,235,240,245,250,255	8255	2300	2460	420	550	260	2305



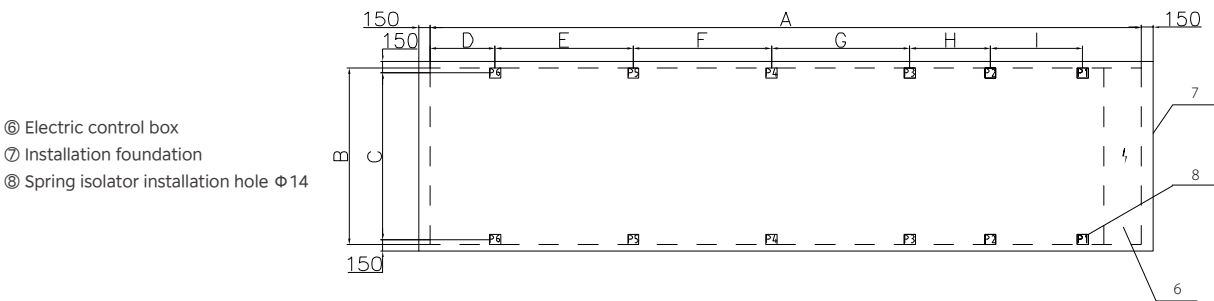
Model	Dimensions (unit: mm)								
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G	H	I
215,220,225,230,235,240,245,250,255	8255	2300	2180	440	1200	1800	1800	1050	1200

Model	Spring isolator at all points					
SCAF***HV, HV(T3), HV(LA)	P1	P2	P3	P4	P5	P6
215,220,225,230,235,240,245,250,255	MHD-850	MHD-850	MHD-850	MHD-850	MHD-850	MHD-850

265-275, single-compressor, T1, T3, LA



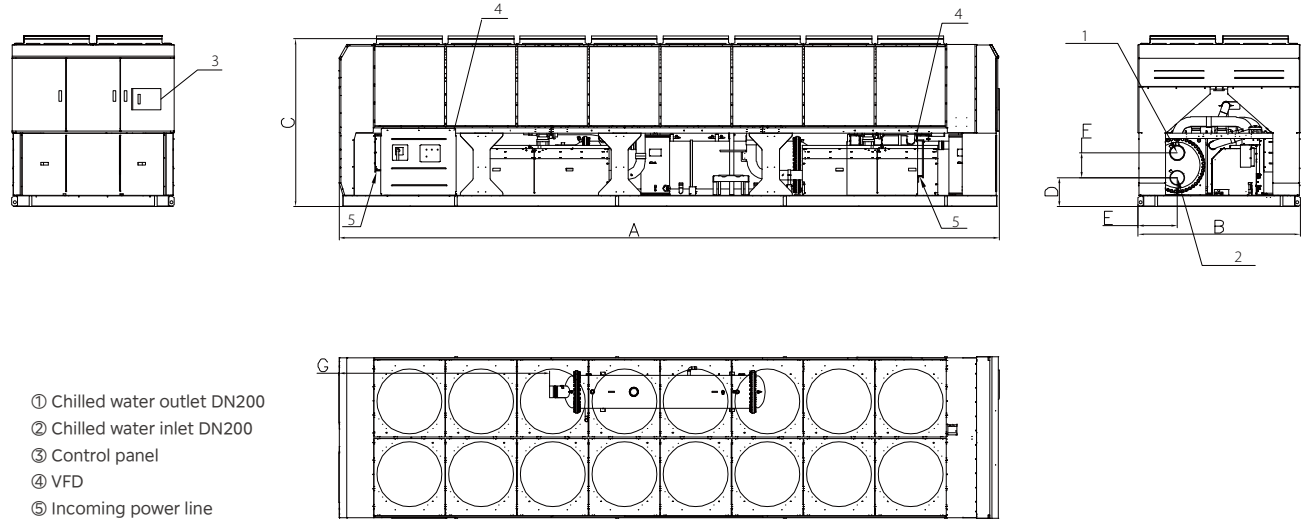
Model	Dimensions (unit: mm)						
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G
265,270,275	9260	2300	2460	420	550	300	3310



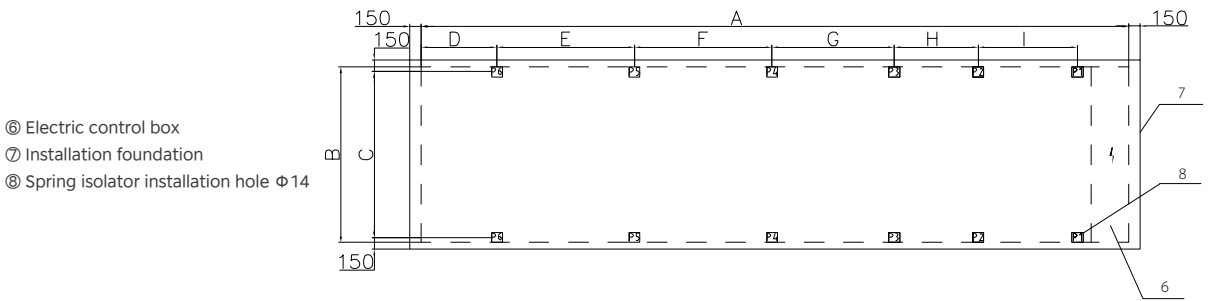
Model	Dimensions (unit: mm)								
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G	H	I
265,270,275	9260	2300	2180	845	1800	1800	1800	1050	1200

Model	Spring isolator at all points					
SCAF***HV, HV(T3), HV(LA)	P1	P2	P3	P4	P5	P6
265,270,275	MHD-850	MHD-850	MHD-850	MHD-850	MHD-850	MHD-850

285-295, dual-compressor, T1, T3, LA



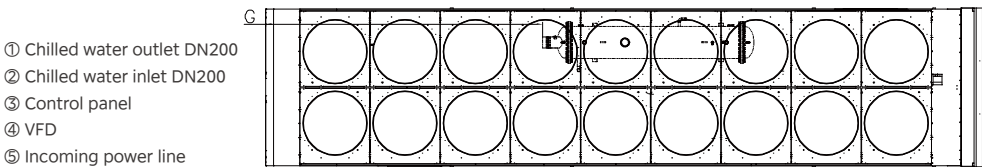
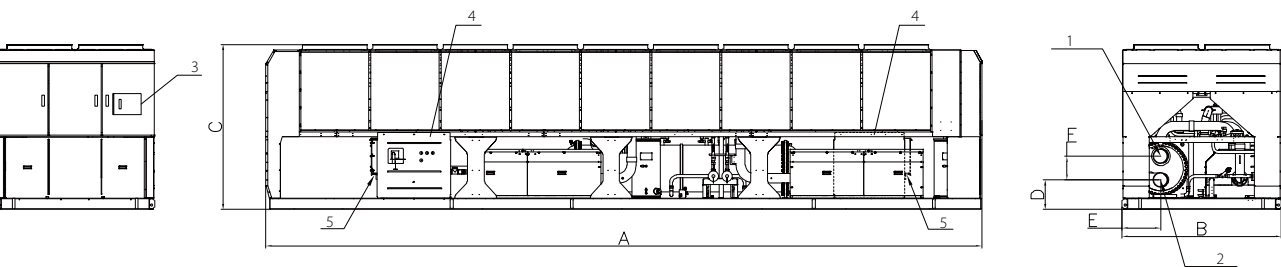
Model	Dimensions (unit: mm)						
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G
285,295	9260	2300	2460	410	550	350	2960



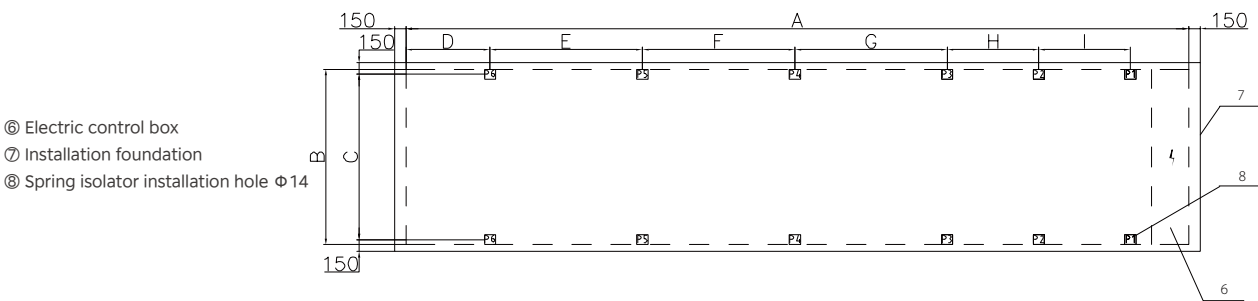
Model	Dimensions (unit: mm)								
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G	H	I
285,295	9260	2300	2180	993	1800	1800	1600	1100	1300

Model	Spring isolator at all points					
SCAF***HV, HV(T3), HV(LA)	P1	P2	P3	P4	P5	P6
285,295	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

310-340, dual-compressor, T1, T3, LA



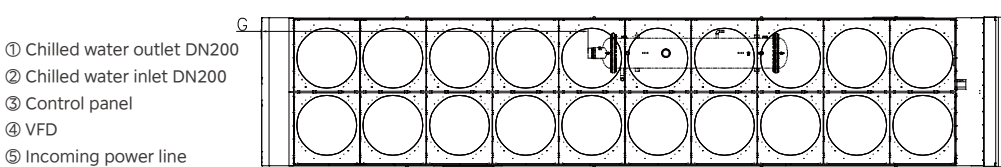
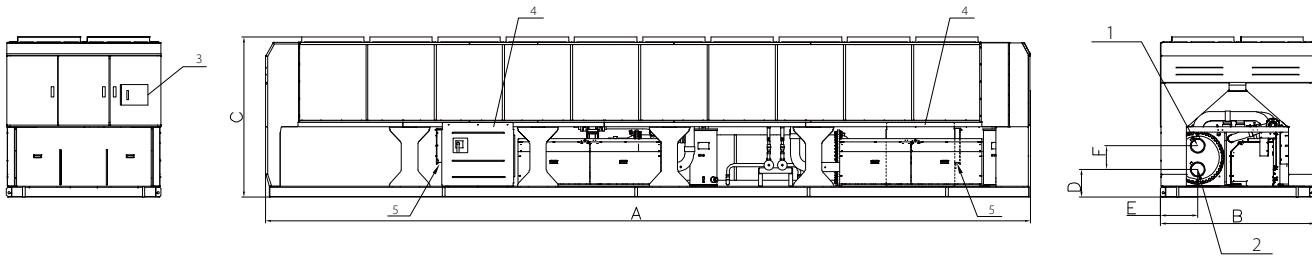
Model	Dimensions (unit: mm)						
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G
310,320,330,340	10265	2300	2460	410	550	350	3965



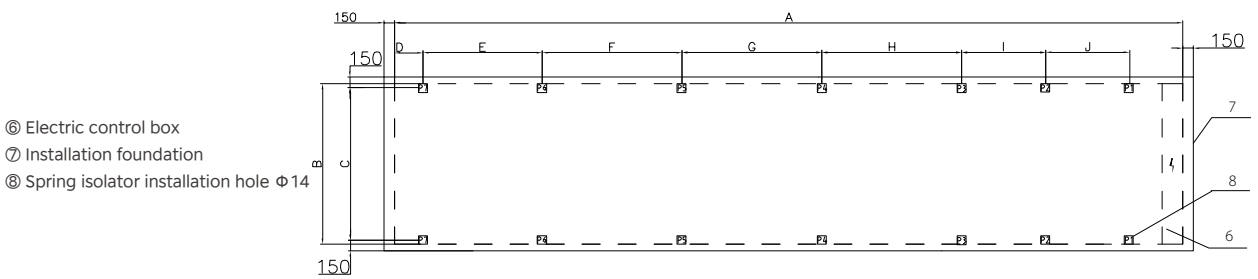
Model	Dimensions (unit: mm)								
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G	H	I
310,320,330,340	10265	2300	2180	1100	2000	2000	2000	1200	1200

Model	Spring isolator at all points					
SCAF***HV, HV(T3), HV(LA)	P1	P2	P3	P4	P5	P6
310,320,330,340	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

350-410, dual-compressor, T1, T3, LA



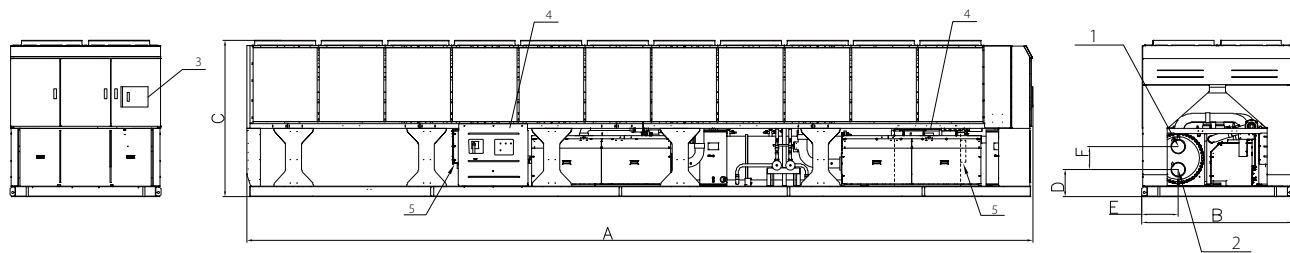
Model	Dimensions (unit: mm)						
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G
350,360,370,375,385,395,405,410	11270	2300	2460	410	550	350	4970



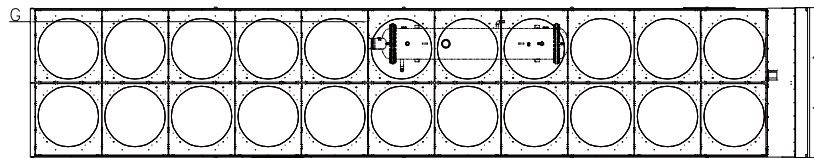
Model	Dimensions (unit: mm)									
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G	H	I	J
350,360,370,375,385,395,405,410	11270	2300	2180	405	1700	2000	2000	2000	1200	1200

Model	Spring isolator at all points						
SCAF***HV, HV(T3), HV(LA)	P1	P2	P3	P4	P5	P6	P7
350,360,370,375,385,395,405,410	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

420-490, dual-compressor, T1, T3, LA

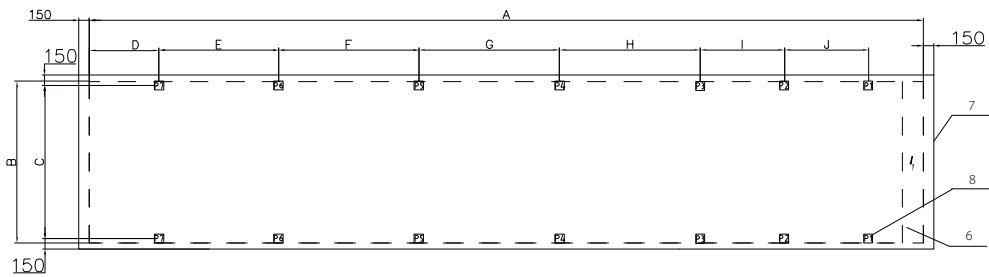


- ① Chilled water outlet DN200
② Chilled water inlet DN200
③ Control panel
④ VFD
⑤ Incoming power line



Model	Dimensions (unit: mm)						
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G
420,430,440,450,470,490	11865	2300	2460	410	550	350	5640

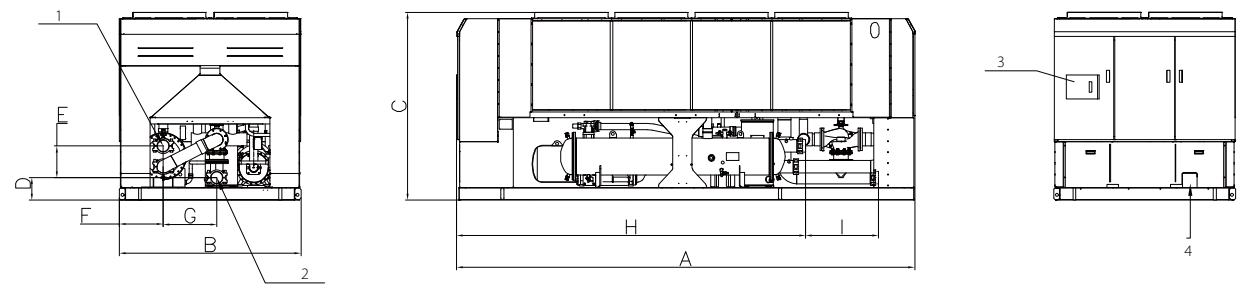
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole $\Phi 14$



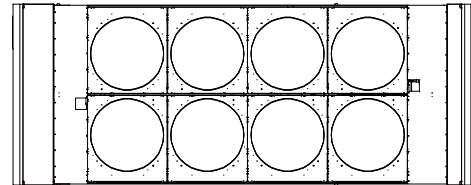
Model	Dimensions (unit: mm)									
SCAF***HV, HV(T3), HV(LA)	A	B	C	D	E	F	G	H	I	J
420,430,440,450,470,490	11865	2300	2180	990	1700	2000	2000	2000	1200	1200

Model	Spring isolator at all points						
SCAF***HV, HV(T3), HV(LA)	P1	P2	P3	P4	P5	P6	P7
420,430,440,450,470,490	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

75-110, single-compressor, FCD

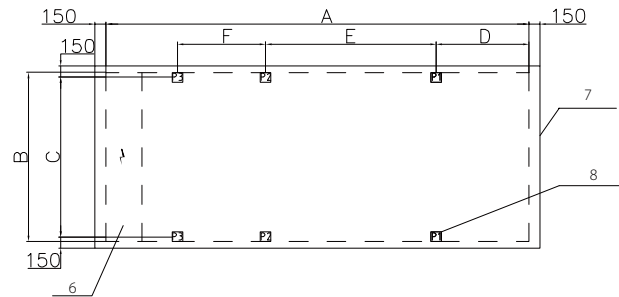


- ① Chilled water outlet DN150
② Chilled water inlet DN150
③ Control panel + VFD
④ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
75,80,90,95,100,105,110	5740	2300	2460	293	397	550	670	4378	917

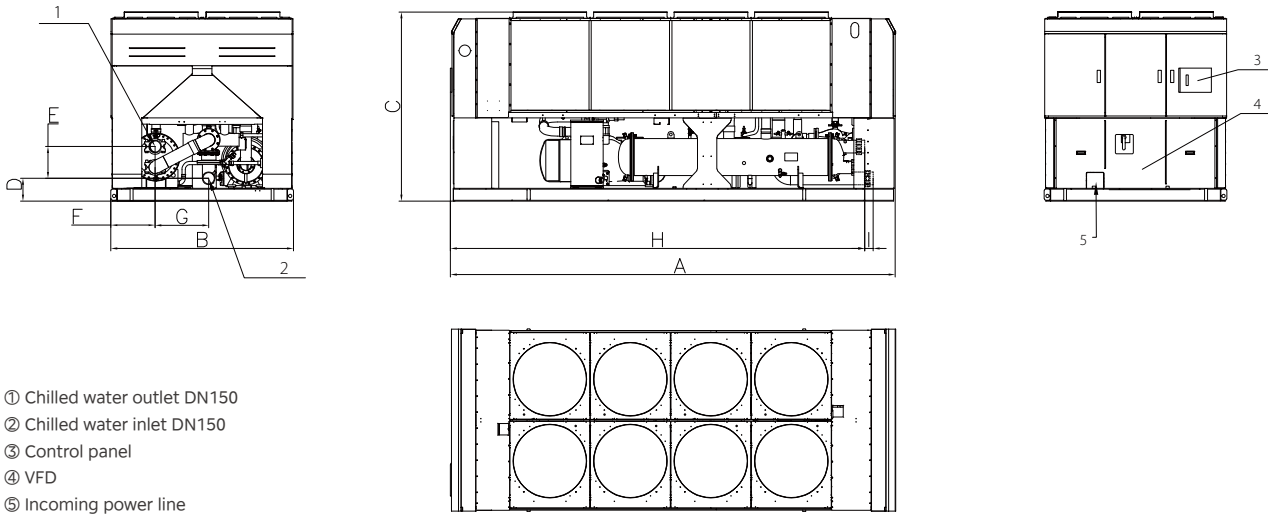
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole $\Phi 14$



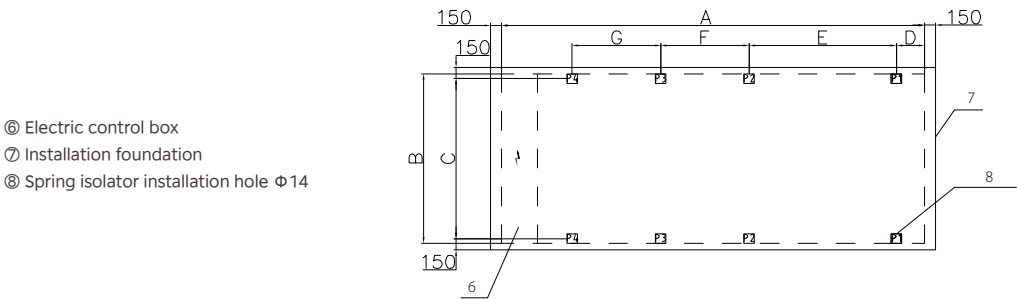
Model	Dimensions (unit: mm)					
SCAF***HV(FCD)	A	B	C	D	E	F
75,80,90,95,100,105,110	5740	2300	2180	1263	2317	1200

Model	Spring isolator at all points		
SCAF***HV(FCD)	P1	P2	P3
75,80,90,95,100,105,110	MHD-1050	MHD-1050	MHD-1050

115-135, single-compressor, FCD



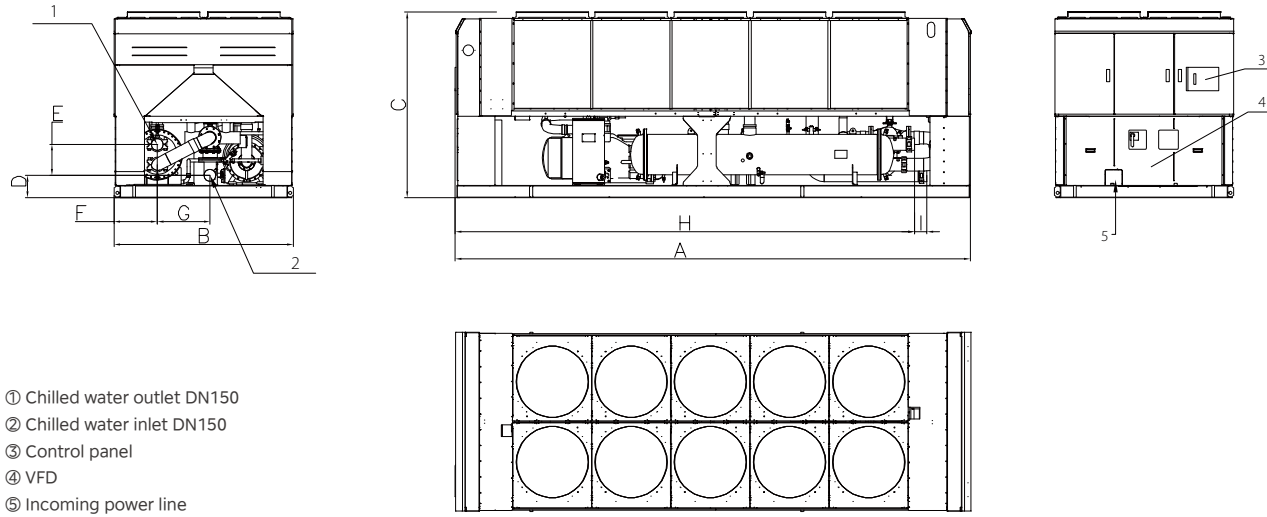
Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
115,120,125,130,135	5540	2300	2460	283	397	550	670	5170	108



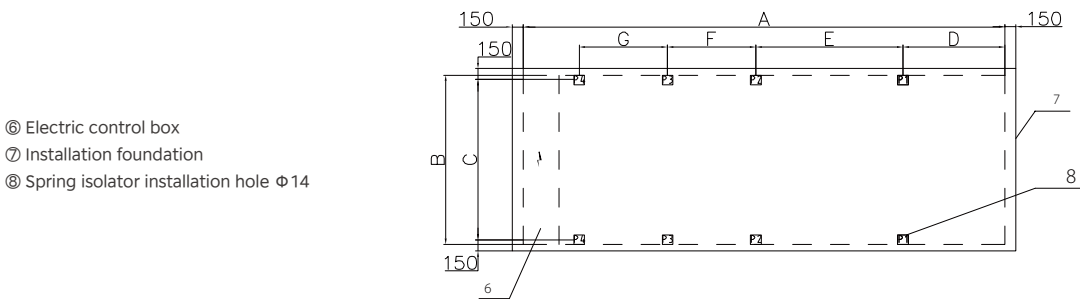
Model	Dimensions (unit: mm)						
SCAF***HV(FCD)	A	B	C	D	E	F	G
115,120,125,130,135	5540	2300	2180	380	2000	1200	1200

Model	Spring isolator at all points			
SCAF***HV(FCD)	P1	P2	P3	P4
115,120,125,130,135	MHD-1050	MHD-1050	MHD-1050	MHD-1050

145-165, single-compressor, FCD



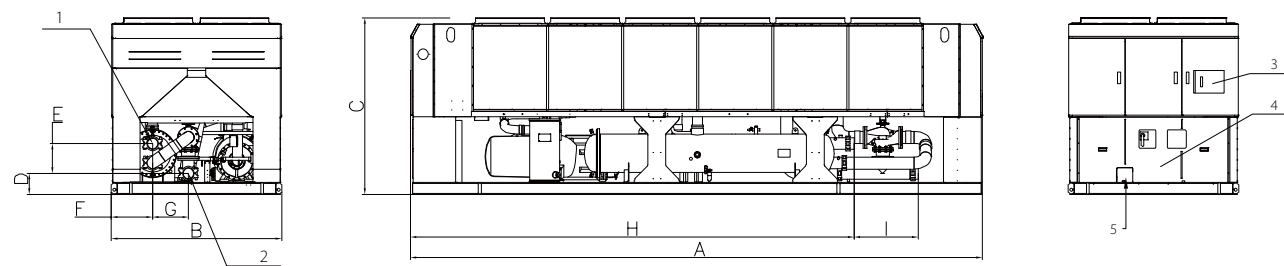
Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
145,150,155,160,165	6545	2300	2460	283	397	550	670	5835	157



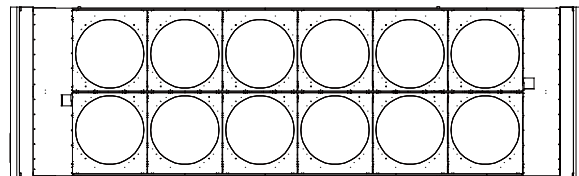
Model	Dimensions (unit: mm)						
SCAF***HV(FCD)	A	B	C	D	E	F	G
145,150,155,160,165	6545	2300	2180	1385	2000	1200	1200

Model	Spring isolator at all points			
SCAF***HV(FCD)	P1	P2	P3	P4
145,150,155,160,165	MHD-1050	MHD-1050	MHD-1050	MHD-1050

175-195, single-compressor, FCD

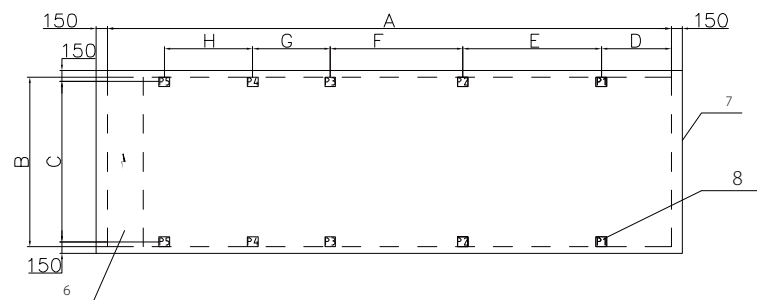


- ① Chilled water outlet DN150
② Chilled water inlet DN150
③ Control panel
④ VFD
⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
175,180,185,190,195	7650	2300	2460	283	397	550	480	5935	857

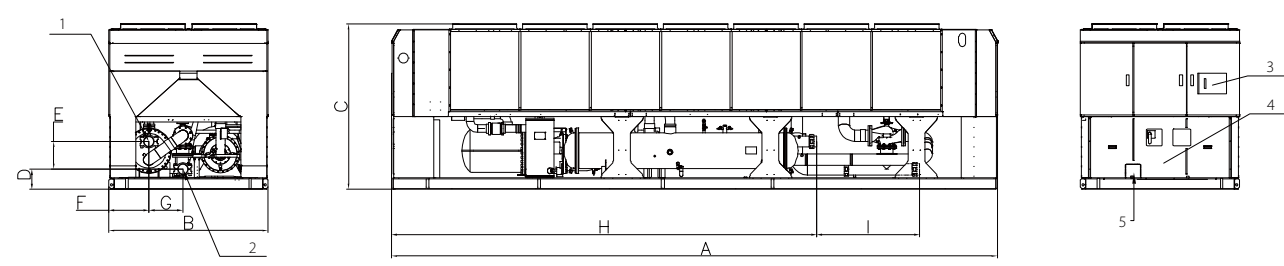
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole $\Phi 14$



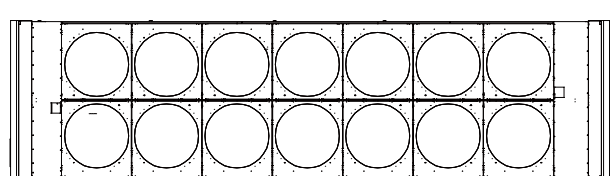
Model	Dimensions (unit: mm)							
SCAF***HV(FCD)	A	B	C	D	E	F	G	H
175,180,185,190,195	7650	2300	2180	948	1880	1800	1050	1200

Model	Spring isolator at all points				
SCAF***HV(FCD)	P1	P2	P3	P4	P5
175,180,185,190,195	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

205-235, single-compressor, FCD

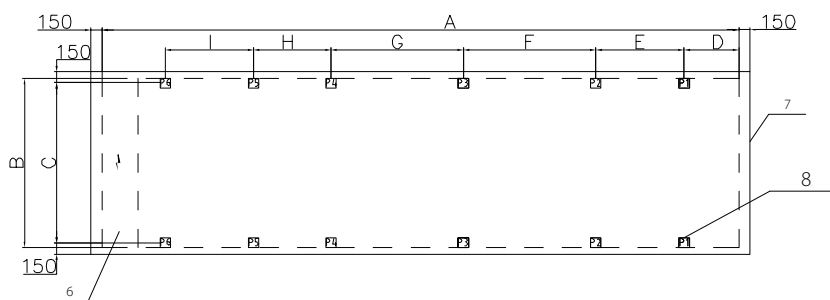


- ① Chilled water outlet DN150
② Chilled water inlet DN150
③ Control panel
④ VFD
⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
205,210,215,220,225,230,235	8655	2300	2460	283	397	576	480	5973	1474

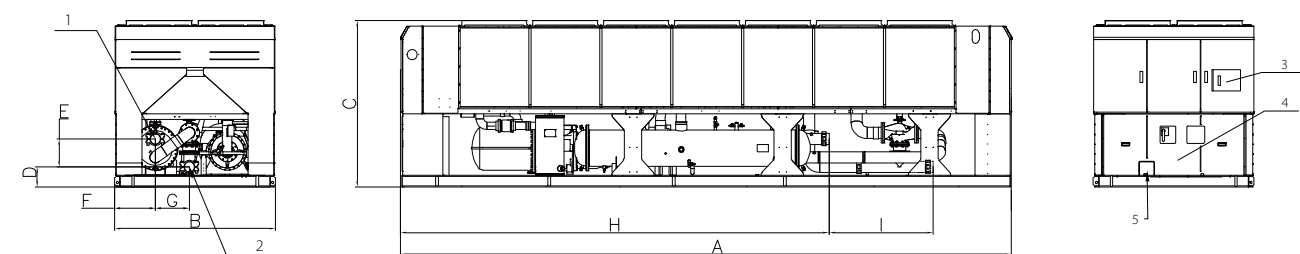
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole $\Phi 14$



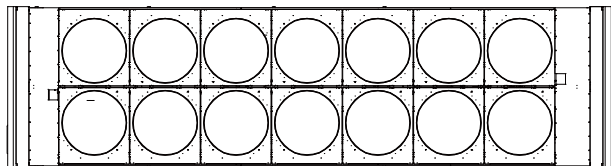
Model	Dimensions (unit: mm)							
SCAF***HV(FCD)	A	B	C	D	E	F	G	H
205,210,215,220,225,230,235	8655	2300	2180	745	1200	1800	1800	1050

Model	Spring isolator at all points					
SCAF***HV(FCD)	P1	P2	P3	P4	P5	P6
205,210,215,220,225,230,235	MHD-850	MHD-850	MHD-850	MHD-850	MHD-850	MHD-850

240, single-compressor, FCD

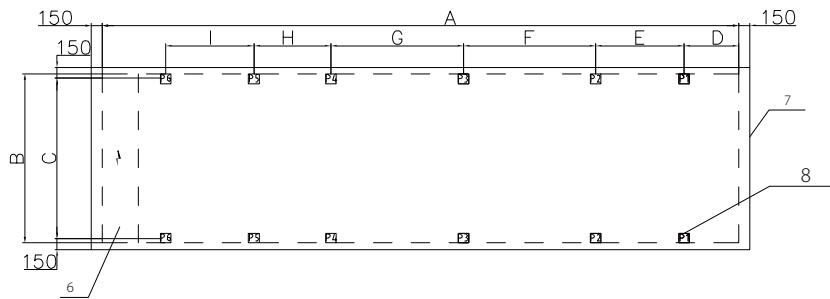


- ① Chilled water outlet DN200
② Chilled water inlet DN200
③ Control panel
④ VFD
⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
240	8655	2300	2460	283	397	576	454	5973	858

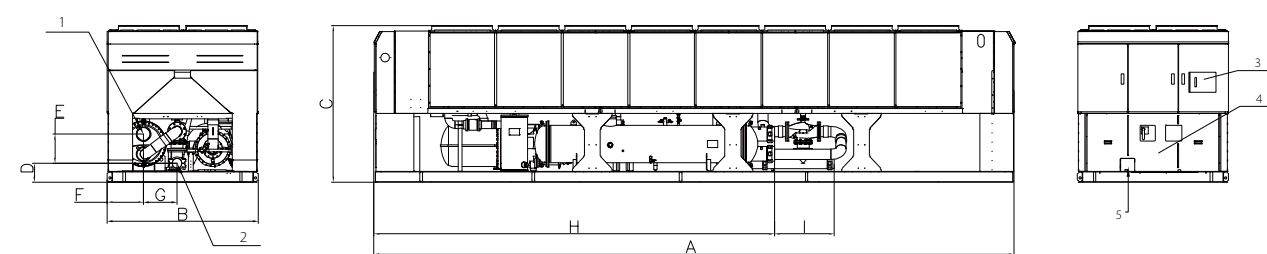
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole Φ14



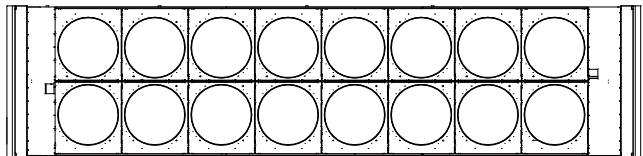
Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
240	8655	2300	2180	745	1200	1800	1800	1050	1200

Model	Spring isolator at all points					
SCAF***HV(FCD)	P1	P2	P3	P4	P5	P6
240	MHD-850	MHD-850	MHD-850	MHD-850	MHD-850	MHD-850

245-260, single-compressor, FCD

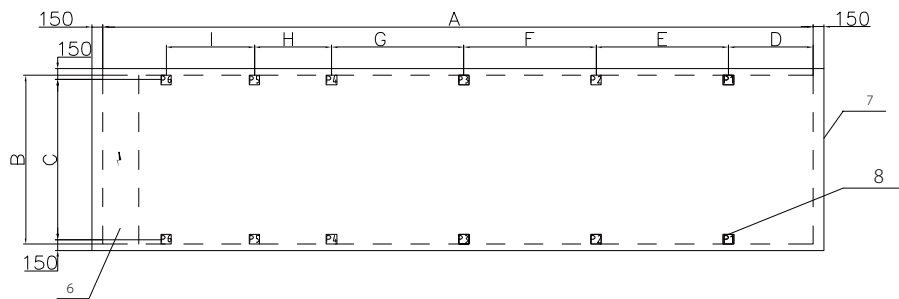


- ① Chilled water outlet DN200
② Chilled water inlet DN200
③ Control panel
④ VFD
⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
245,250,255,260	9660	2300	2460	283	442	550	505	5942	905

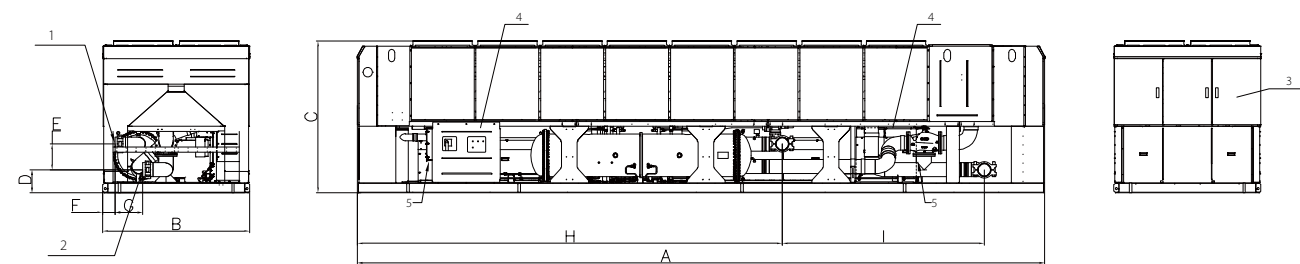
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole Φ14



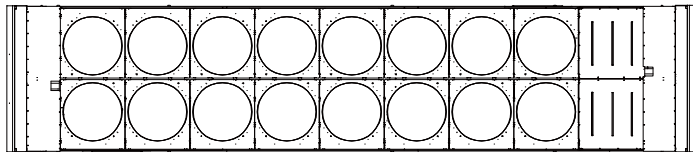
Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
245,250,255,260	9660	2300	2180	1150	1800	1800	1800	1050	1200

Model	Spring isolator at all points					
SCAF***HV(FCD)	P1	P2	P3	P4	P5	P6
245,250,255,260	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

270-280, dual-compressor, FCD

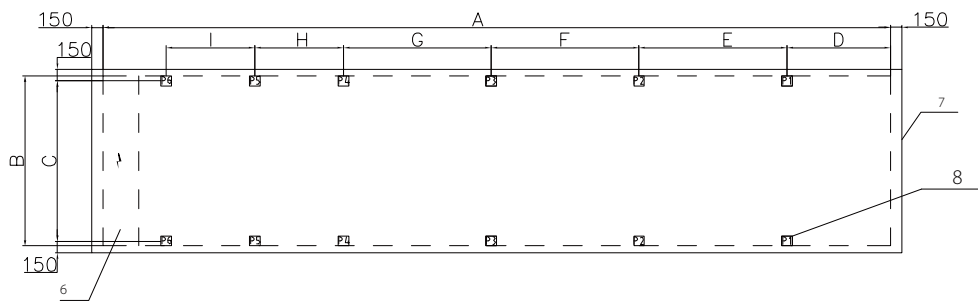


- ① Chilled water outlet DN200
② Chilled water inlet DN200
③ Control panel
④ VFD
⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
270,275,280	10665	2300	2460	360	400	188	430	6588	3138

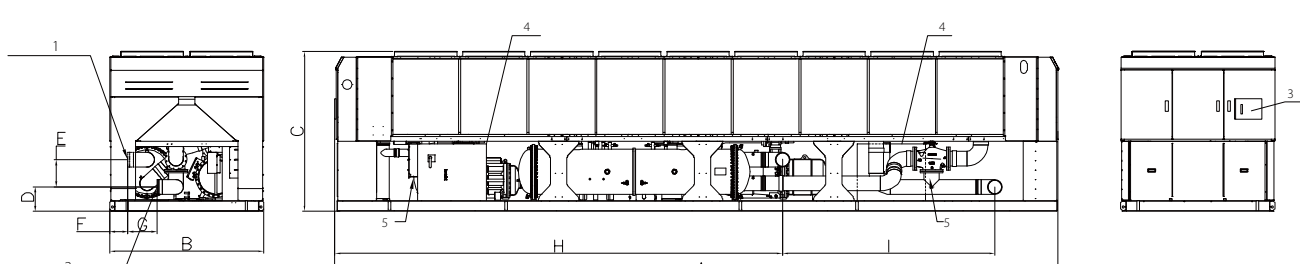
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole $\Phi 14$



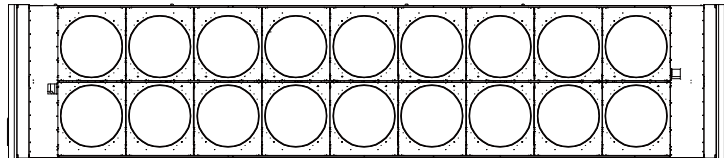
Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
270,275,280	10665	2300	2180	1405	2000	2000	2000	1200	1200

Model	Spring isolator at all points					
SCAF***HV(FCD)	P1	P2	P3	P4	P5	P6
270,275,280	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

290-320, dual-compressor, FCD

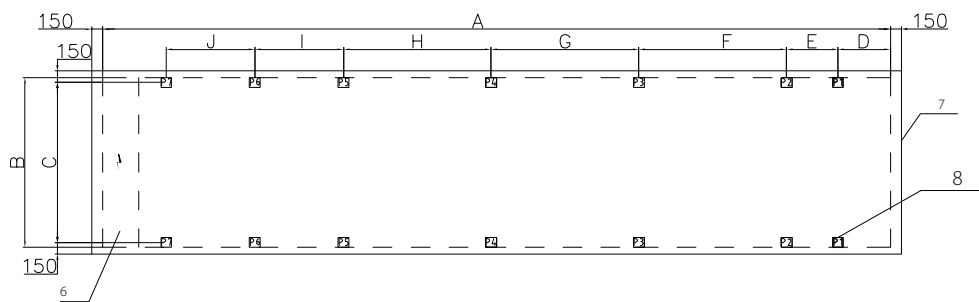


- ① Chilled water outlet DN200
② Chilled water inlet DN200
③ Control panel
④ VFD
⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
290,300,310,320	10665	2300	2460	360	400	268	429	6508	3138

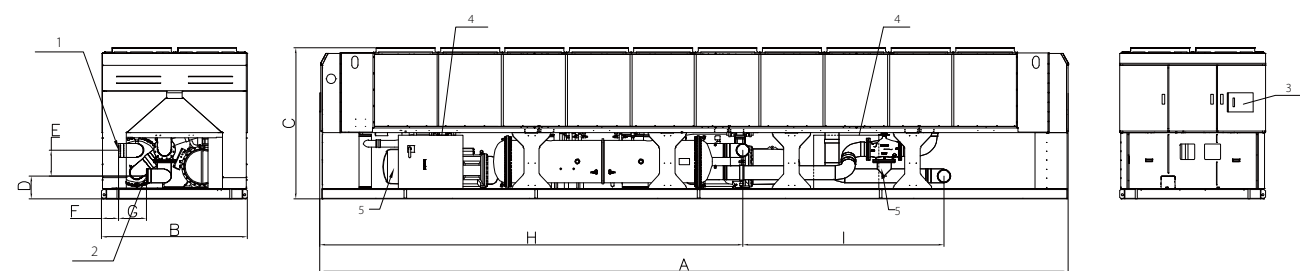
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole $\Phi 14$



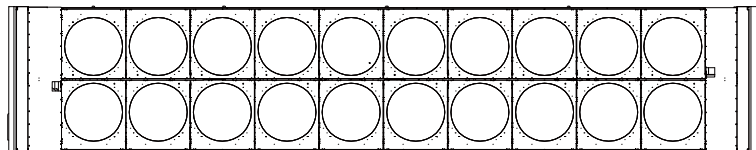
Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
290,300,310,320	10665	2300	2180	710	695	2000	2000	1200	1200

Model	Spring isolator at all points						
SCAF***HV(FCD)	P1	P2	P3	P4	P5	P6	P7
290,300,310,320	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

330-370, dual-compressor, FCD

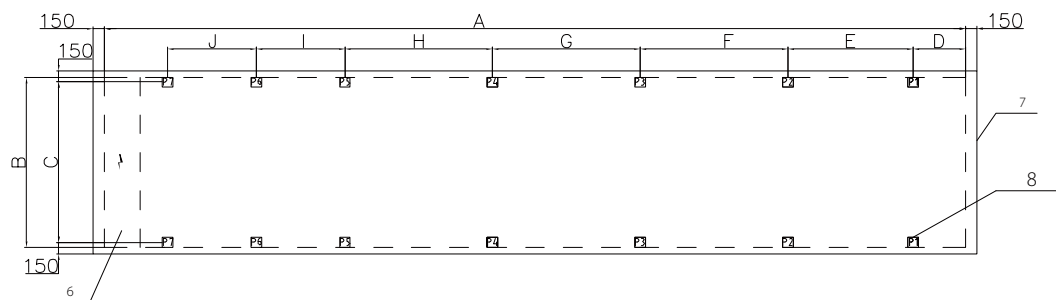


- ① Chilled water outlet DN200
② Chilled water inlet DN200
③ Control panel
④ VFD
⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I
330,340,350,360,365,370	11670	2300	2460	360	400	268	429	6608	3138

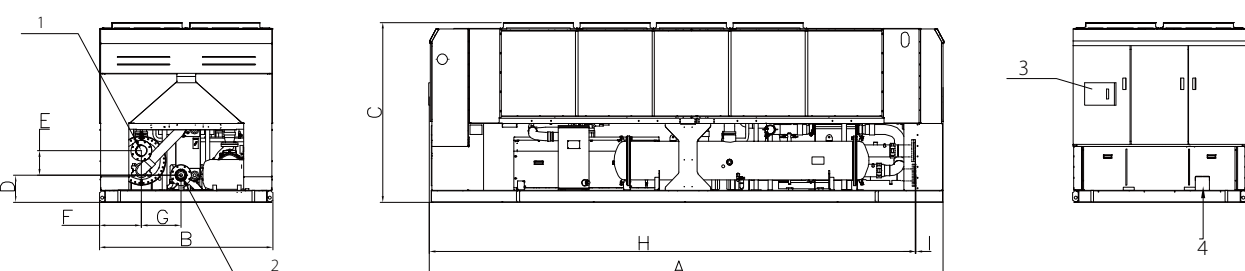
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole $\Phi 14$



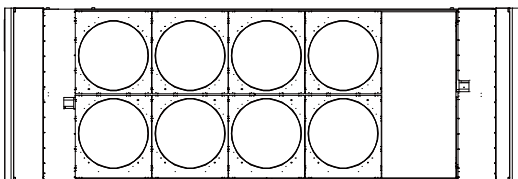
Model	Dimensions (unit: mm)									
SCAF***HV(FCD)	A	B	C	D	E	F	G	H	I	J
330,340,350,360,365,370	11670	2300	2180	710	1700	2000	2000	2000	1200	1200

Model	Spring isolator at all points						
SCAF***HV(FCD)	P1	P2	P3	P4	P5	P6	P7
330,340,350,360,365,370	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

75-110, single-compressor, FCI

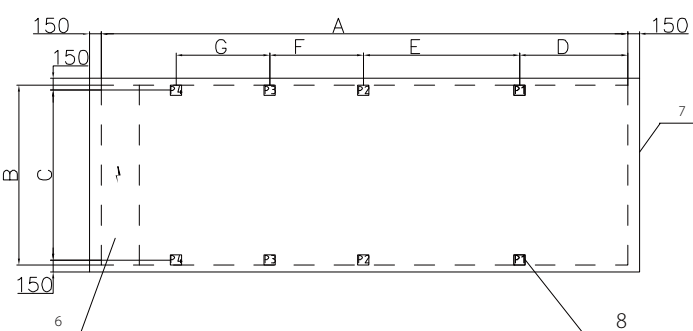


- ① Chilled water outlet DN150
② Chilled water inlet DN150
③ Control panel + VFD
④ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HV(FCI)	A	B	C	D	E	F	G	H	I
75,80,90,95,100,105,110	6745	2300	2460	357	320	550	522	6380	5

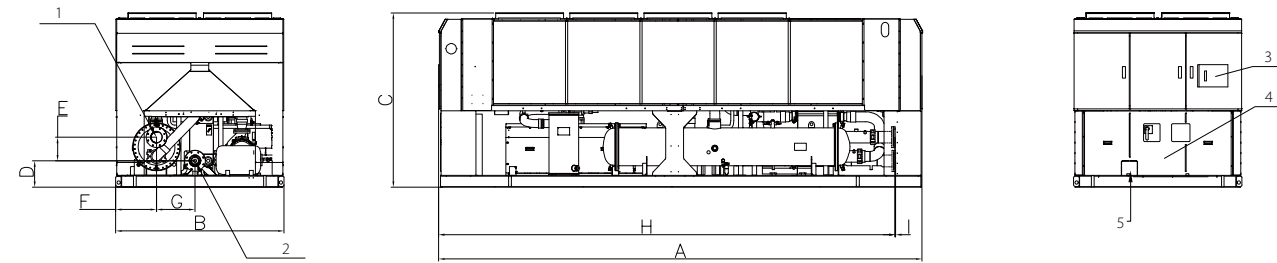
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole $\Phi 14$



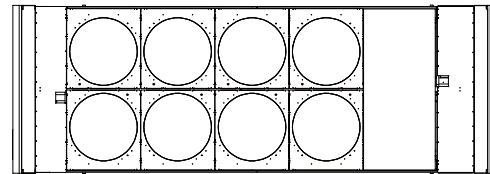
Model	Dimensions (unit: mm)						
SCAF***HV(FCI)	A	B	C	D	E	F	G
75,80,90,95,100,105,110	6745	2300	2180	1385	2000	1200	1200

Model	Spring isolator at all points			
SCAF***HV(FCI)	P1	P2	P3	P4
75,80,90,95,100,105,110	MHD-850	MHD-850	MHD-850	MHD-850

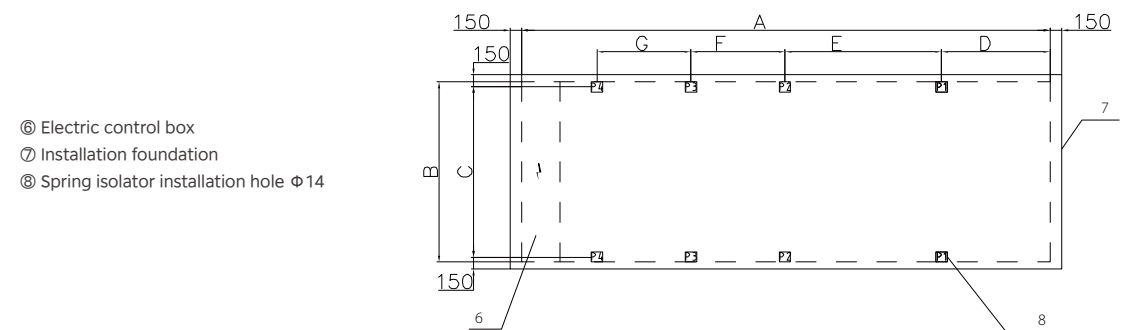
115-135, single-compressor, FCI



- ① Chilled water outlet DN150
- ② Chilled water inlet DN150
- ③ Control panel
- ④ VFD
- ⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HV(FCI)	A	B	C	D	E	F	G	H	I
115,120,125,130,135	6545	2300	2460	357	320	550	522	6180	5

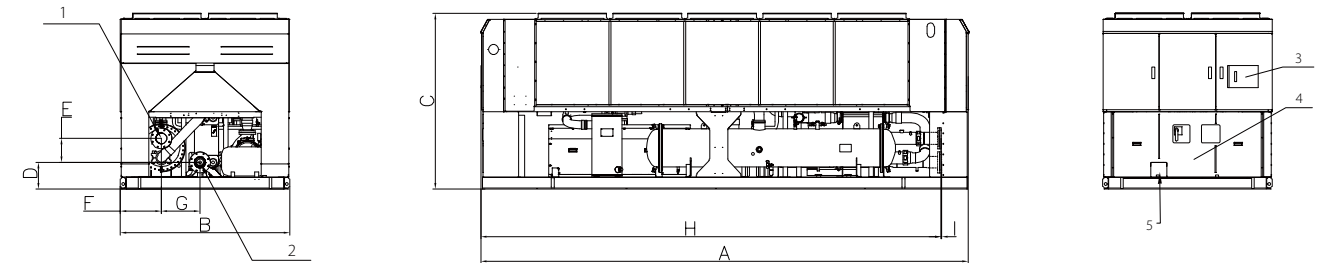


- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole $\Phi 14$

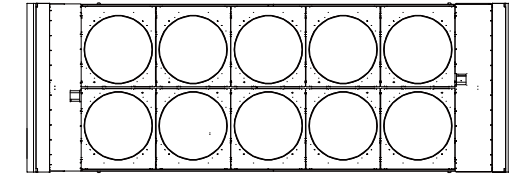
Model	Dimensions (unit: mm)						
SCAF***HV(FCI)	A	B	C	D	E	F	G
115,120,125,130,135	6545	2300	2180	1385	2000	1200	1200

Model	Spring isolator at all points			
SCAF***HV(FCI)	P1	P2	P3	P4
115,120,125,130,135	MHD-1050	MHD-1050	MHD-1050	MHD-1050

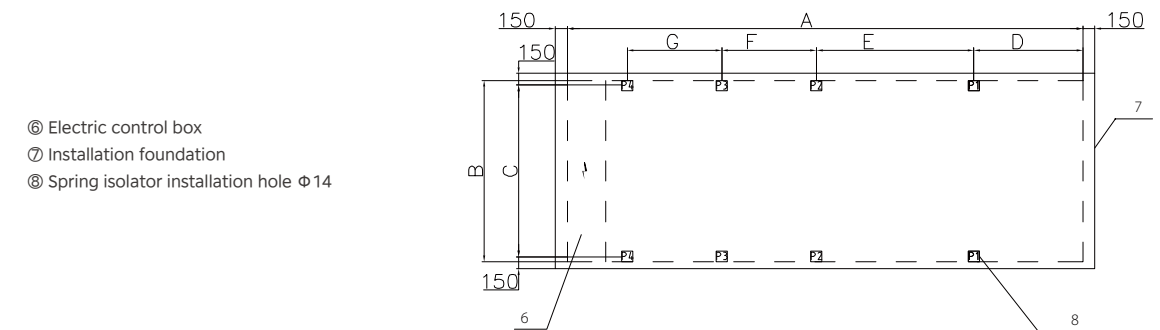
145-165, single-compressor, FCI



- ① Chilled water outlet DN150
- ② Chilled water inlet DN150
- ③ Control panel
- ④ VFD
- ⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HV(FCI)	A	B	C	D	E	F	G	H	I
145,150,155,160,165	6545	2300	2460	357	320	550	522	6180	5

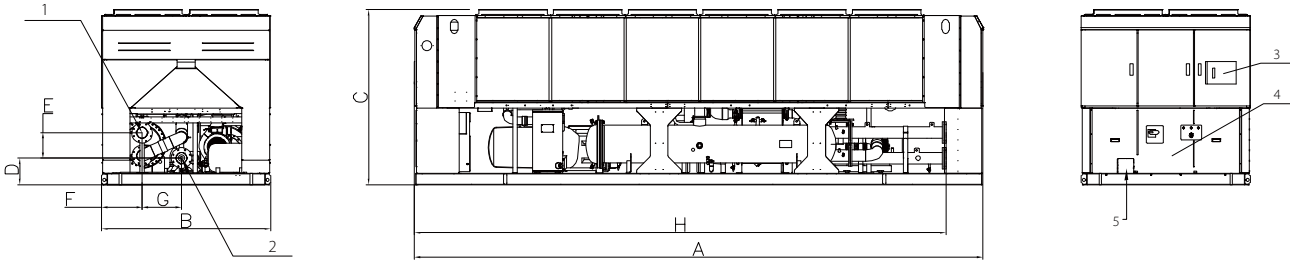


- ⑥ Electric control box
- ⑦ Installation foundation
- ⑧ Spring isolator installation hole $\Phi 14$

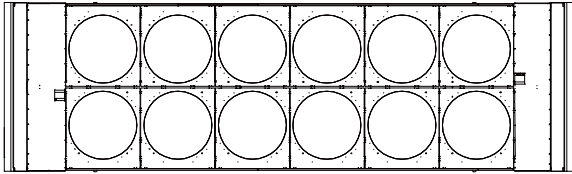
Model	Dimensions (unit: mm)						
SCAF***HV(FCI)	A	B	C	D	E	F	G
145,150,155,160,165	6545	2300	2180	1385	2000	1200	1200

Model	Spring isolator at all points			
SCAF***HV(FCI)	P1	P2	P3	P4
145,150,155,160,165	MHD-135 0	MHD-135 0	MHD-135 0	MHD-135 0

175-195, single-compressor, FCI

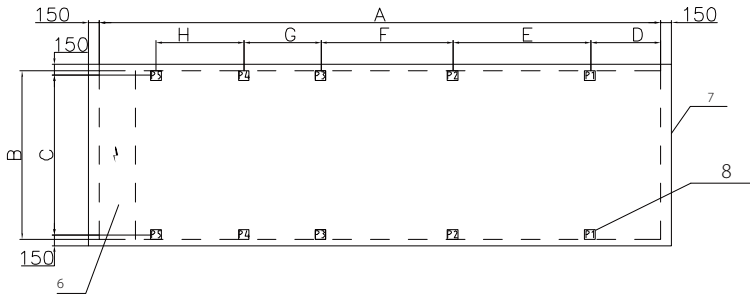


- ① Chilled water outlet DN150
- ② Chilled water inlet DN150
- ③ Control panel
- ④ VFD
- ⑤ Incoming power line



Model	Dimensions (unit: mm)							
SCAF***HV(FCI)	A	B	C	D	E	F	G	H
175,180,185,190,195	7650	2300	2460	360	345	550	530	7158

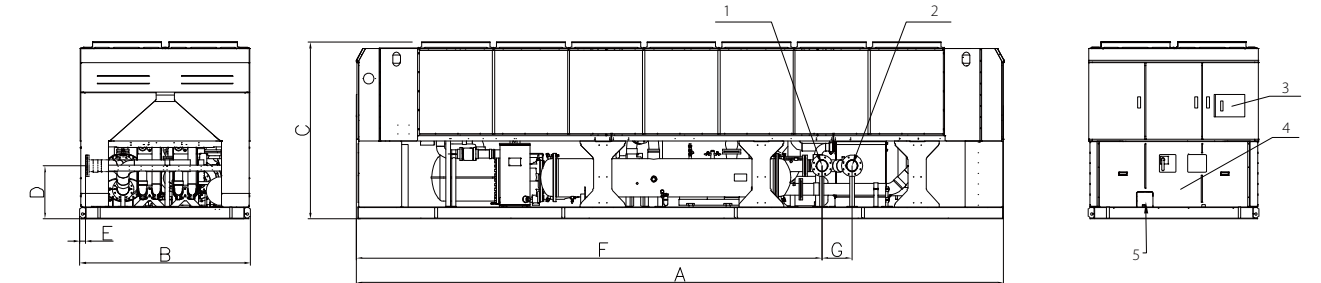
- ⑥ Electric control box
- ⑦ Installation foundation
- ⑧ Spring isolator installation hole $\Phi 14$



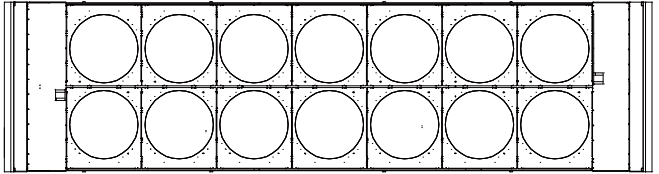
Model	Dimensions (unit: mm)							
SCAF***HV(FCI)	A	B	C	D	E	F	G	H
175,180,185,190,195	7650	2300	2180	948	1880	1800	1050	1200

Model	Spring isolator at all points				
SCAF***HV(FCI)	P1	P2	P3	P4	P5
175,180,185,190,195	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

205-240, single-compressor, FCI

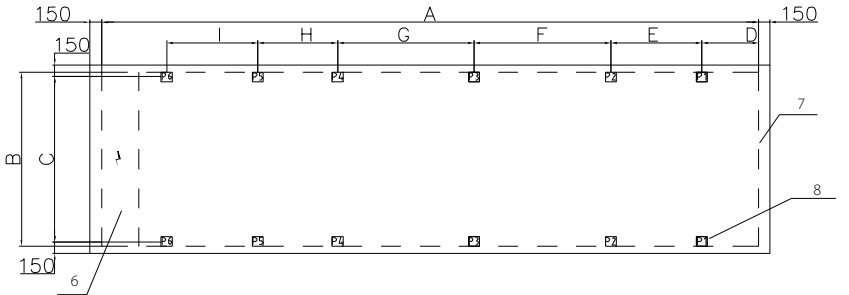


- ① Chilled water outlet DN150
- ② Chilled water inlet DN150
- ③ Control panel
- ④ VFD
- ⑤ Incoming power line



Model	Dimensions (unit: mm)						
SCAF***HV(FCI)	A	B	C	D	E	F	G
205,210,215,220,225,230,235,240	8655	2300	2460	705	72	6225	400

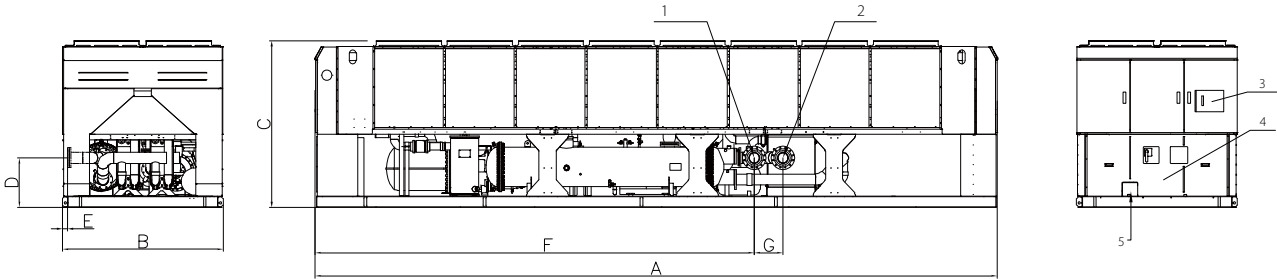
- ⑥ Electric control box
- ⑦ Installation foundation
- ⑧ Spring isolator installation hole $\Phi 14$



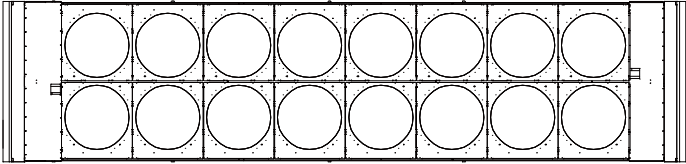
Model	Dimensions (unit: mm)								
SCAF***HV(FCI)	A	B	C	D	E	F	G	H	I
205,210,215,220,225,230,235,240	8655	2300	2180	745	1200	1800	1800	1050	1200

Model	Spring isolator at all points					
SCAF***HV(FCI)	P1	P2	P3	P4	P5	P6
205,210,215,220,225,230,235,240	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

245-260, single-compressor, FCI

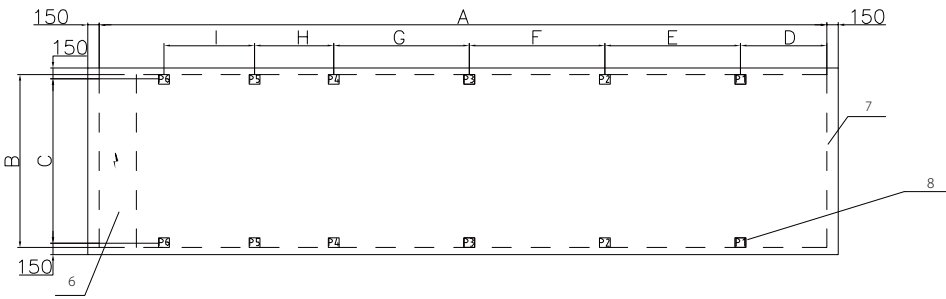


- ① Chilled water outlet DN150
- ② Chilled water inlet DN150
- ③ Control panel
- ④ VFD
- ⑤ Incoming power line



Model	Dimensions (unit: mm)						
SCAF***HV(FCI)	A	B	C	D	E	F	G
245,250,255,260	9660	2300	2460	705	72	6225	400

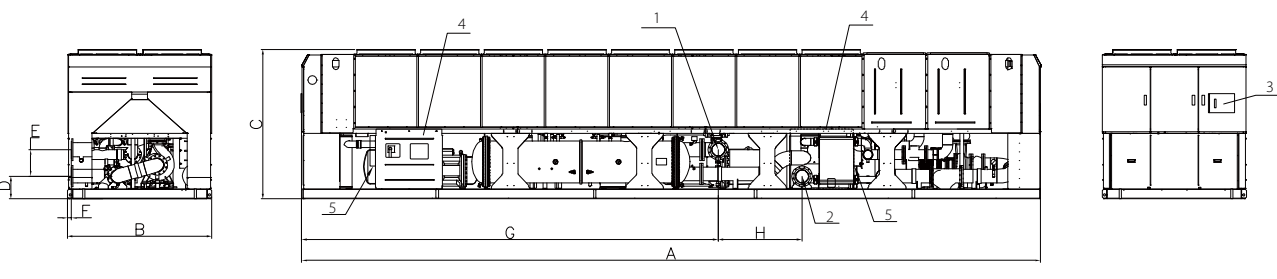
- ⑥ Electric control box
- ⑦ Installation foundation
- ⑧ Spring isolator installation hole $\Phi 14$



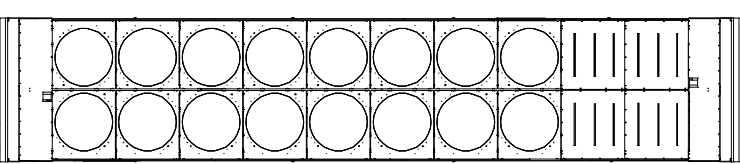
Model	Dimensions (unit: mm)								
SCAF***HV(FCI)	A	B	C	D	E	F	G	H	I
245,250,255,260	9660	2300	2180	1150	1800	1800	1800	1050	1200

Model	Spring isolator at all points					
SCAF***HV(FCI)	P1	P2	P3	P4	P5	P6
245,250,255,260	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

270-280, dual-compressor, FCI

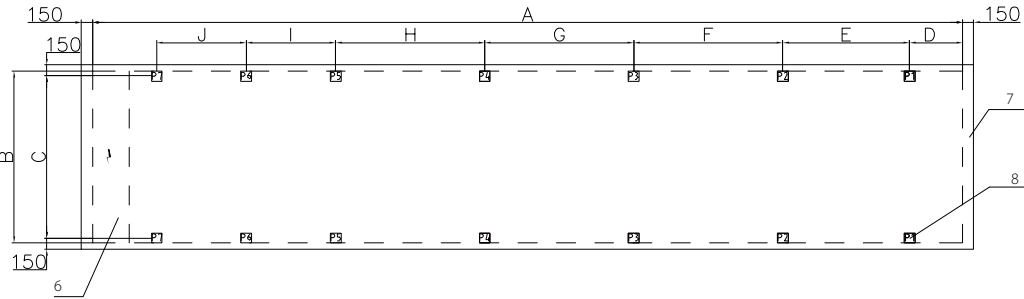


- ① Chilled water outlet DN200
- ② Chilled water inlet DN200
- ③ Control panel
- ④ VFD
- ⑤ Incoming power line



Model	Dimensions (unit: mm)							
SCAF***HV(FCI)	A	B	C	D	E	F	G	H
270,275,280	11670	2300	2460	360	415	60	6578	1323

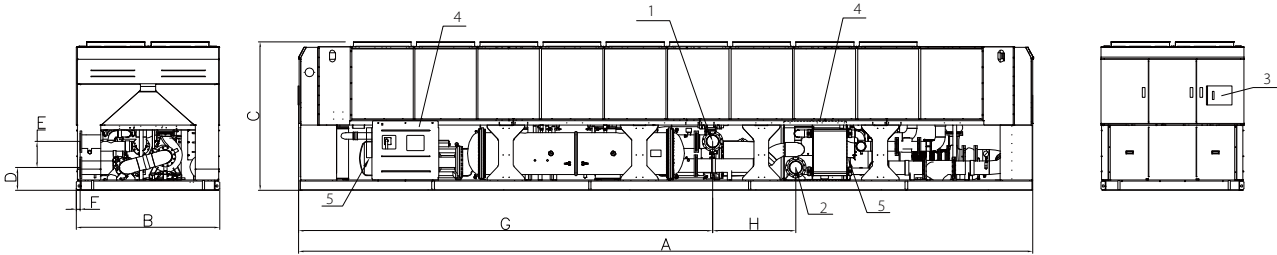
- ⑥ Electric control box
- ⑦ Installation foundation
- ⑧ Spring isolator installation hole $\Phi 14$



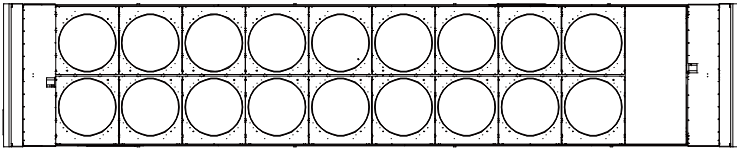
Model	Dimensions (unit: mm)									
SCAF***HV(FCI)	A	B	C	D	E	F	G	H	I	J
270,275,280	11670	2300	2180	710	1700	2000	2000	2000	1200	1200

Model	Spring isolator at all points						
SCAF***HV(FCI)	P1	P2	P3	P4	P5	P6	P7
270,275,280	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350

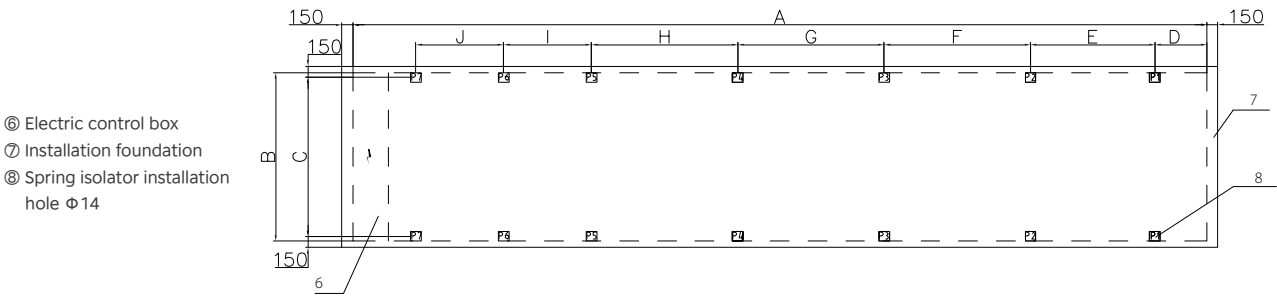
290-320, dual-compressor, FCI



- ① Chilled water outlet DN200
- ② Chilled water inlet DN200
- ③ Control panel
- ④ VFD
- ⑤ Incoming power line



Model	Dimensions (unit: mm)							
SCAF***HV(FCI)	A	B	C	D	E	F	G	H
290,300,310,320	11670	2300	2460	360	415	60	6578	1323

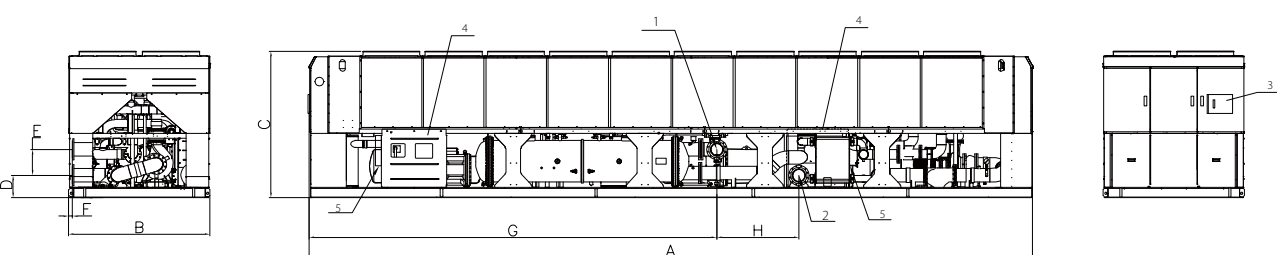


- ⑥ Electric control box
- ⑦ Installation foundation
- ⑧ Spring isolator installation hole $\Phi 14$

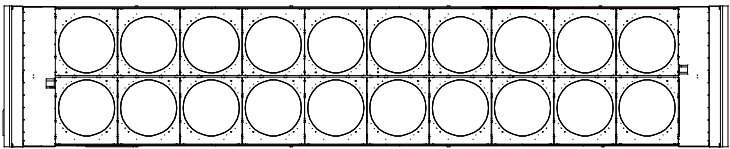
Model	Dimensions (unit: mm)									
SCAF***HV(FCI)	A	B	C	D	E	F	G	H	I	J
290,300,310,320	11670	2300	2180	710	1700	2000	2000	2000	1200	1200

Model	Spring isolator at all points						
SCAF***HV(FCI)	P1	P2	P3	P4	P5	P6	P7
290,300,310,320	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350

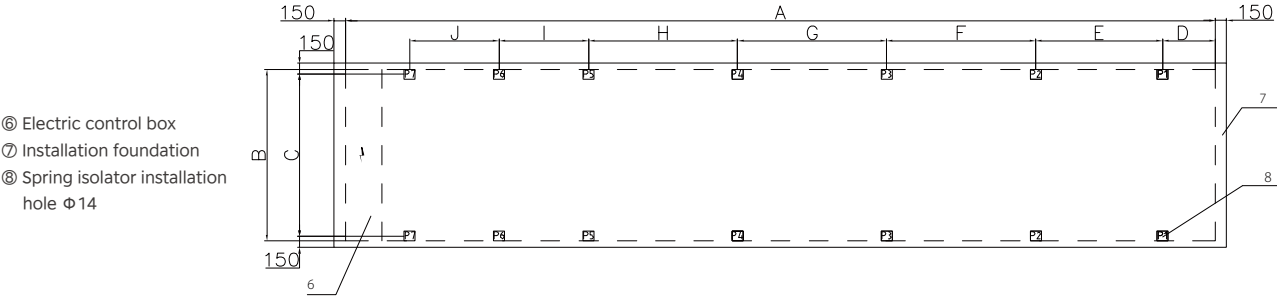
330-350, dual-compressor, FCI



- ① Chilled water outlet DN200
- ② Chilled water inlet DN200
- ③ Control panel
- ④ VFD
- ⑤ Incoming power line



Model	Dimensions (unit: mm)							
SCAF***HV(FCI)	A	B	C	D	E	F	G	H
330,340,350	11670	2300	2460	360	415	60	6578	1323

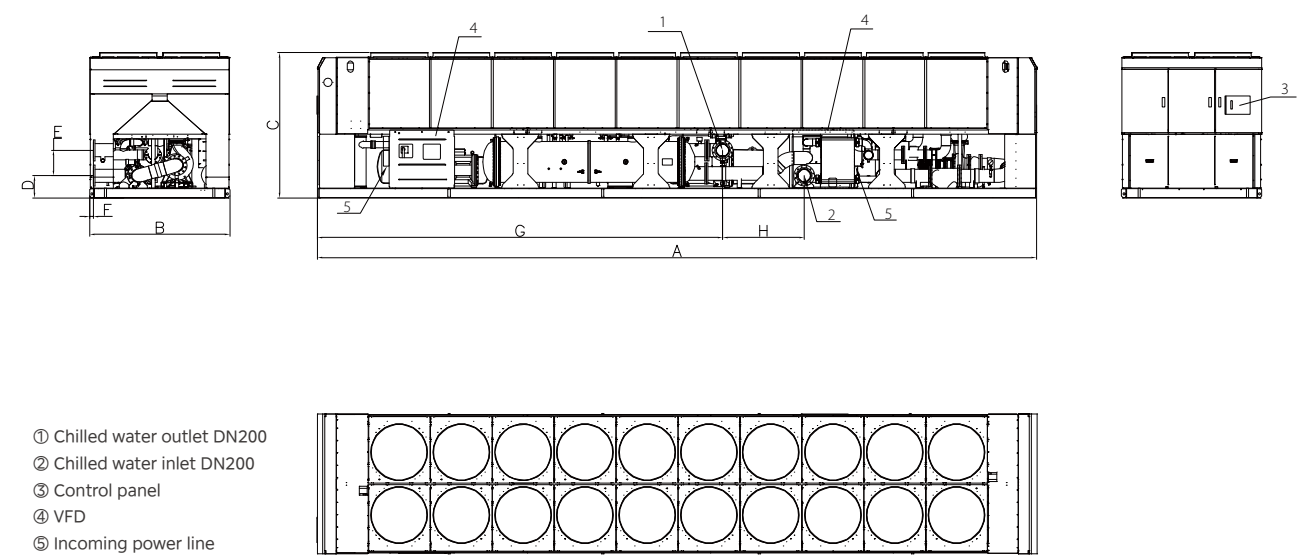


- ⑥ Electric control box
- ⑦ Installation foundation
- ⑧ Spring isolator installation hole $\Phi 14$

Model	Dimensions (unit: mm)									
SCAF***HV(FCI)	A	B	C	D	E	F	G	H	I	J
330,340,350	11670	2300	2180	710	1700	2000	2000	2000	1200	1200

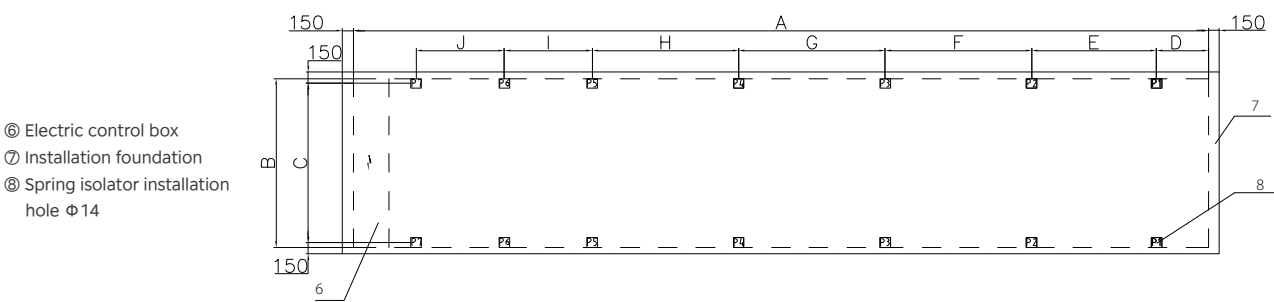
Model	Spring isolator at all points						
SCAF***HV(FCI)	P1	P2	P3	P4	P5	P6	P7
330,340,350	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350

360-370, dual-compressor, FCI



- ① Chilled water outlet DN200
② Chilled water inlet DN200
③ Control panel
④ VFD
⑤ Incoming power line

Model	Dimensions (unit: mm)							
SCAF***HV(FCI)	A	B	C	D	E	F	G	H
360,365,370	11670	2300	2460	360	415	60	6578	1323

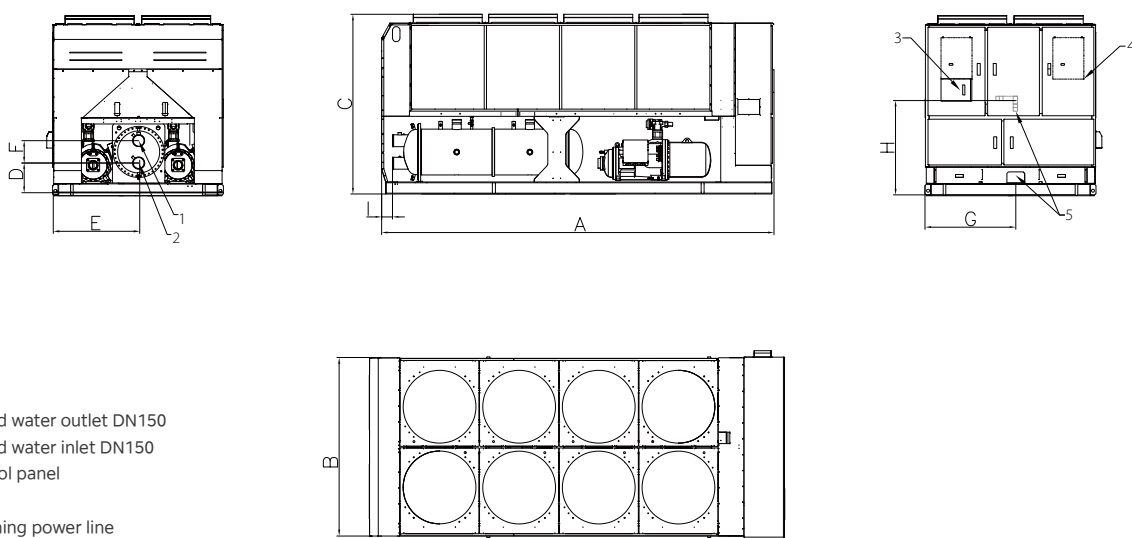


- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole Φ14

Model	Dimensions (unit: mm)									
SCAF***HV(FCI)	A	B	C	D	E	F	G	H	I	J
360,365,370	11670	2300	2180	710	1700	2000	2000	2000	1200	1200

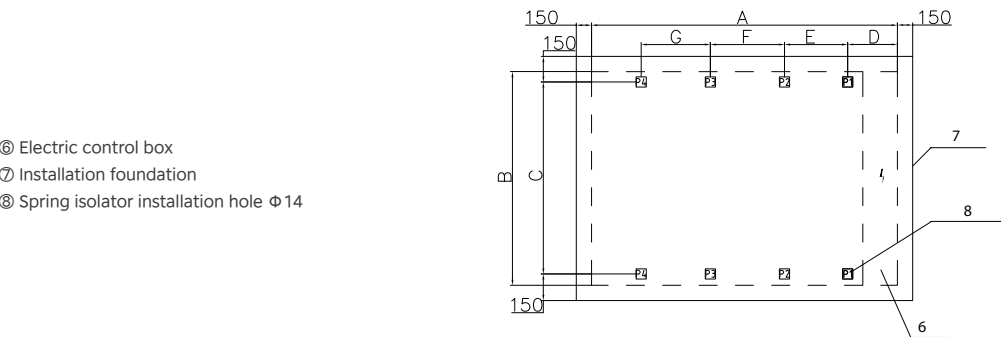
Model	Spring isolator at all points						
SCAF***HV(FCI)	P1	P2	P3	P4	P5	P6	P7
360,365,370	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350	MHD-1350

160-175, dual-compressor, T1, T3, LA



- ① Chilled water outlet DN150
② Chilled water inlet DN150
③ Control panel
④ VFD
⑤ Incoming power line

Model	Dimensions (unit: mm)								
SCAF***HVD, HVD(T3), HVD(LA)	A	B	C	D	E	F	G	H	I
160,165,175	5240	2300	2460	385	1160	350	1195	1400	85



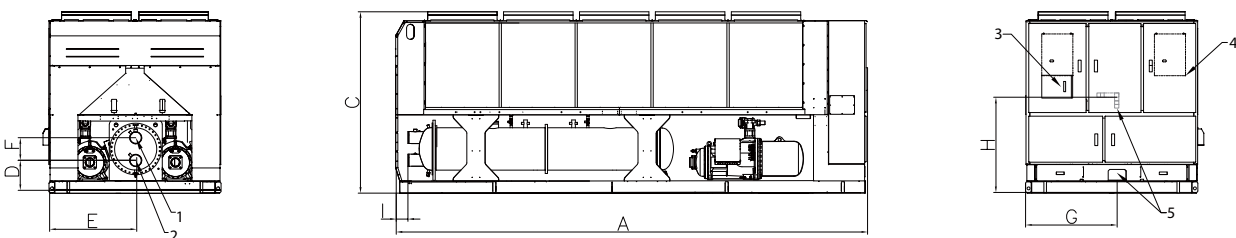
- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole Φ14

Model	Dimensions (unit: mm)						
SCAF***HVD, HVD(T3), HVD(LA)	A	B	C	D	E	F	G
160,165,175	5240	2300	2180	280	1400	1350	1250

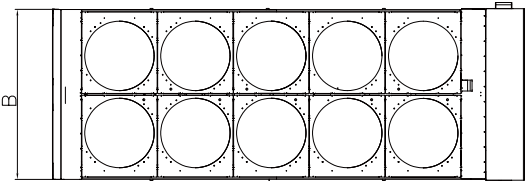
Model	Spring isolator at all points			
SCAF***HVD, HVD(T3), HVD(LA)	P1	P2	P3	P4
160,165,175	MHD-1050	MHD-1050	MHD-1050	MHD-1050

Note: The parameters of SCAF160-280HVD(LA) are suitable for chillers with antifreeze. If using fresh water, please refer to the dimensions and base drawings in the operation and maintenance manual or consult the factory.

185-200, dual-compressor, T1, T3, LA

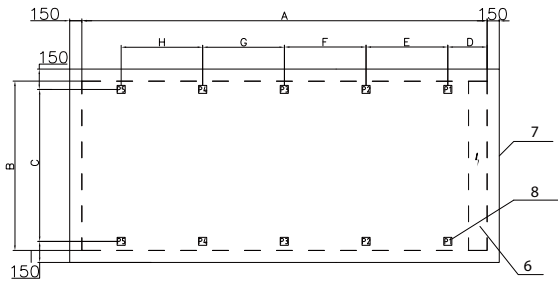


- ① Chilled water outlet DN150
② Chilled water inlet DN150
③ Control panel
④ VFD
⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HVD, HVD(T3), HVD(LA)	A	B	C	D	E	F	G	H	I
185,190,200	6245	2300	2460	435	1150	300	1195	1400	140

- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole Φ14

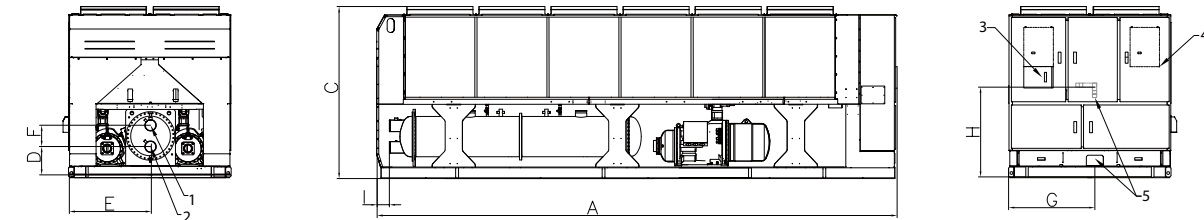


Model	Dimensions (unit: mm)							
SCAF***HVD, HVD(T3), HVD(LA)	A	B	C	D	E	F	G	H
185,190,200	6245	2300	2180	420	1180	1200	1200	1650

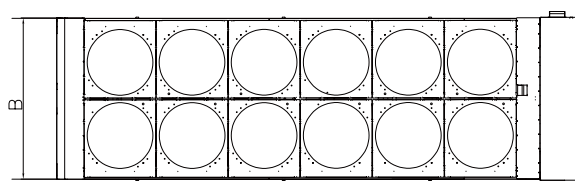
Model	Spring isolator at all points				
SCAF***HVD, HVD(T3), HVD(LA)	P1	P2	P3	P4	P5
185,190,200	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

Note: The parameters of SCAF160-280HVD(LA) are suitable for chillers with antifreeze. If using fresh water, please refer to the dimensions and base drawings in the operation and maintenance manual or consult the factory.

210-230, dual-compressor, T1, T3, LA

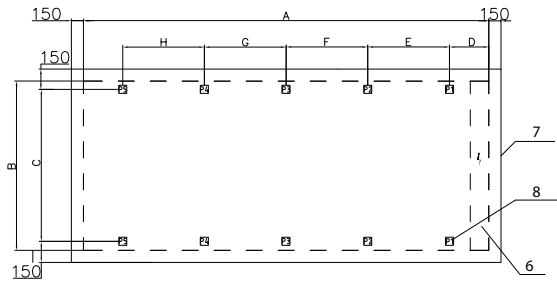


- ① Chilled water outlet DN150
② Chilled water inlet DN150
③ Control panel
④ VFD
⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HVD, HVD(T3), HVD(LA)	A	B	C	D	E	F	G	H	I
210,220,230	7250	2300	2460	435	1150	300	1195	1400	140

- ⑥ Electric control box
⑦ Installation foundation
⑧ Spring isolator installation hole Φ14

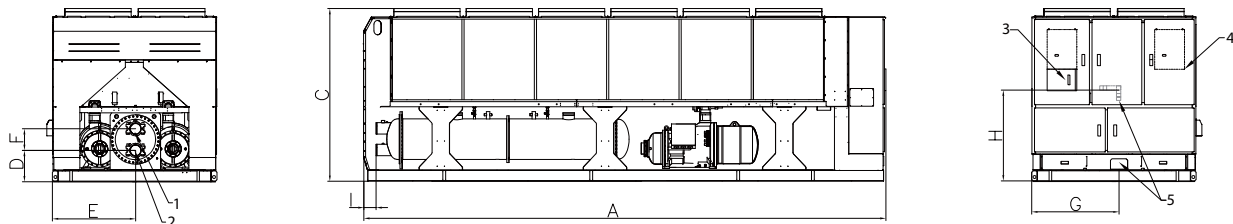


Model	Dimensions (unit: mm)							
SCAF***HVD, HVD(T3), HVD(LA)	A	B	C	D	E	F	G	H
210,220,230	7250	2300	2180	400	1600	1450	1650	1540

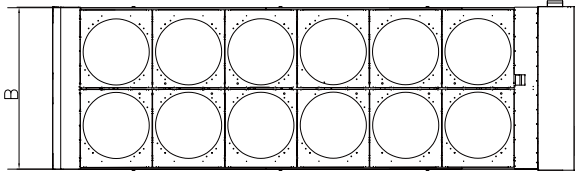
Model	Spring isolator at all points				
SCAF***HVD, HVD(T3), HVD(LA)	P1	P2	P3	P4	P5
210,220,230	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

Note: The parameters of SCAF160-280HVD(LA) are suitable for chillers with antifreeze. If using fresh water, please refer to the dimensions and base drawings in the operation and maintenance manual or consult the factory.

240-250, dual-compressor, T1, LA

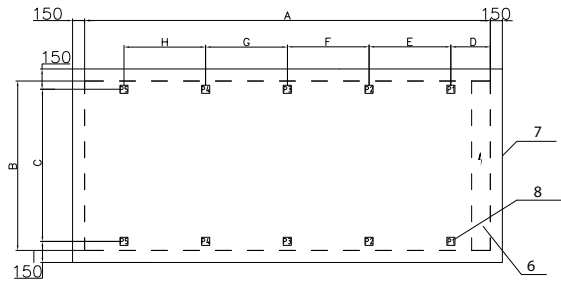


- ① Chilled water outlet DN150
- ② Chilled water inlet DN150
- ③ Control panel
- ④ VFD
- ⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HVD, HVD(LA)	A	B	C	D	E	F	G	H	I
240,250	7250	2300	2460	435	1150	300	1195	1400	140

- ⑥ Electric control box
- ⑦ Installation foundation
- ⑧ Spring isolator installation hole $\Phi 14$

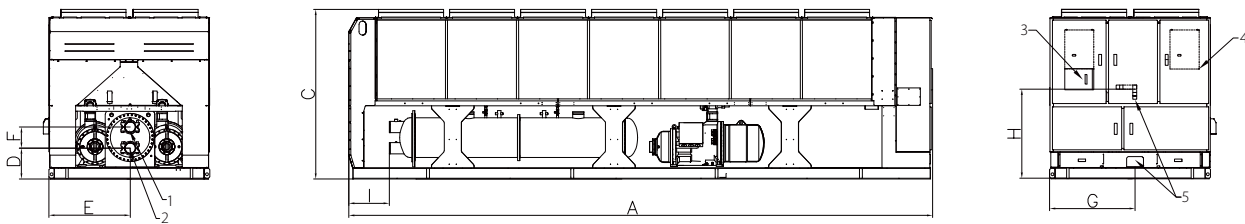


Model	Dimensions (unit: mm)							
SCAF***HVD, HVD(LA)	A	B	C	D	E	F	G	H
240,250	7250	2300	2180	500	1500	1540	1560	1500

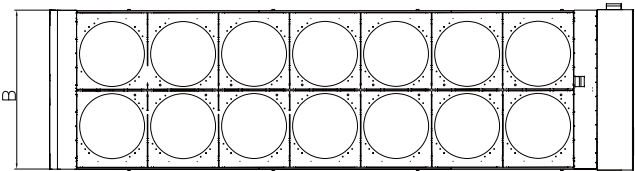
Model	Spring isolator at all points				
SCAF***HVD, HVD(LA)	P1	P2	P3	P4	P5
240,250	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

Note: The parameters of SCAF160-280HVD(LA) are suitable for chillers with antifreeze. If using fresh water, please refer to the dimensions and base drawings in the operation and maintenance manual or consult the factory.

260-280, dual-compressor, T1, LA

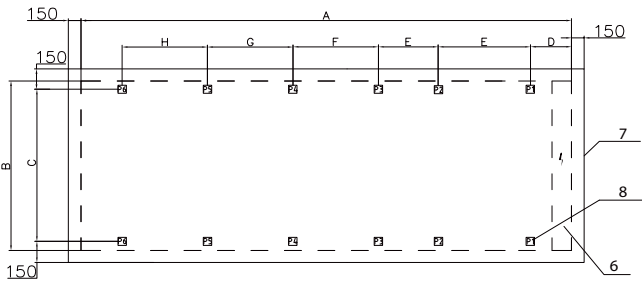


- ① Chilled water outlet DN150
- ② Chilled water inlet DN150
- ③ Control panel
- ④ VFD
- ⑤ Incoming power line



Model	Dimensions (unit: mm)								
SCAF***HVD, HVD(LA)	A	B	C	D	E	F	G	H	I
260,270,280	8255	2300	2460	435	1150	300	1195	1400	550

- ⑥ Electric control box
- ⑦ Installation foundation
- ⑧ Spring isolator installation hole $\Phi 14$

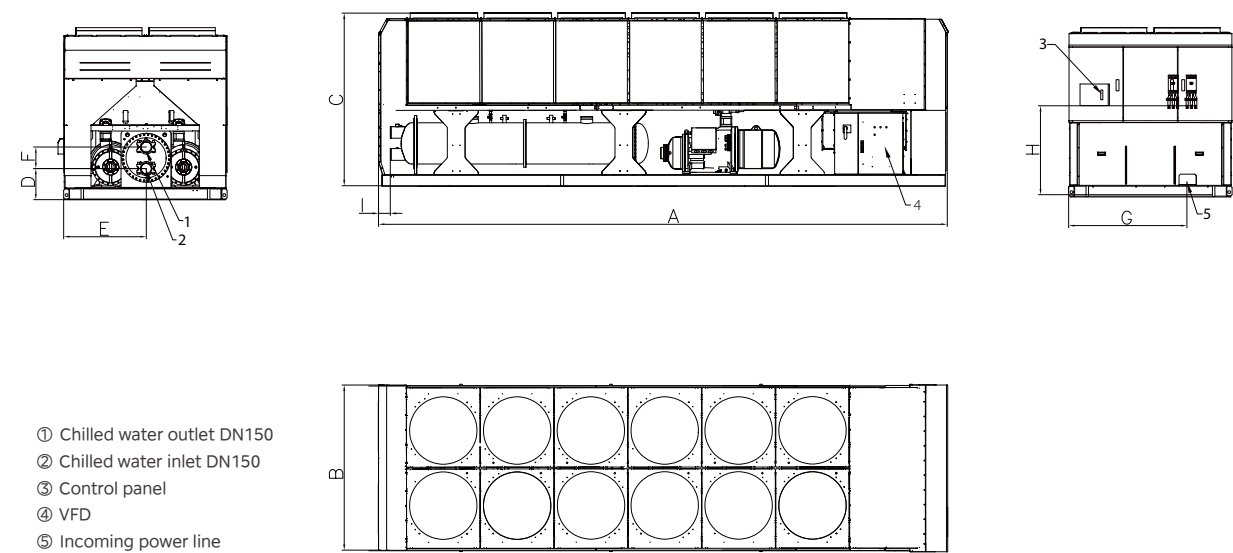


Model	Dimensions (unit: mm)								
SCAF***HVD, HVD(LA)	A	B	C	D	E	F	G	H	I
260,270,280	8255	2300	2180	500	1500	1470	1330	1200	1500

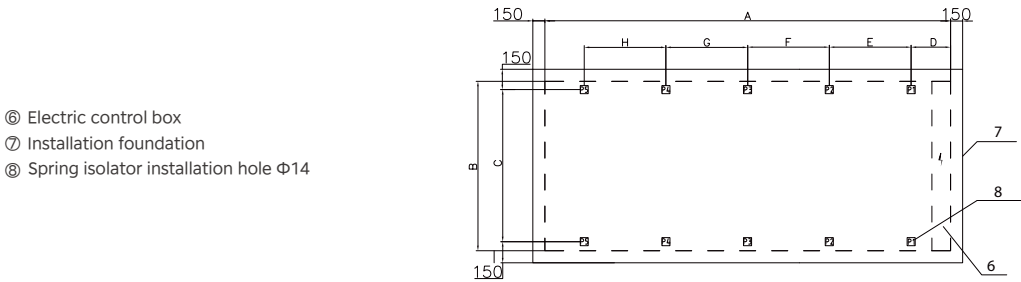
Model	Spring isolator at all points					
SCAF***HVD, HVD(LA)	P1	P2	P3	P4	P5	P6
260,270,280	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

Note: The parameters of SCAF160-280HVD(LA) are suitable for chillers with antifreeze. If using fresh water, please refer to the dimensions and base drawings in the operation and maintenance manual or consult the factory.

240-250, dual-compressor, T3



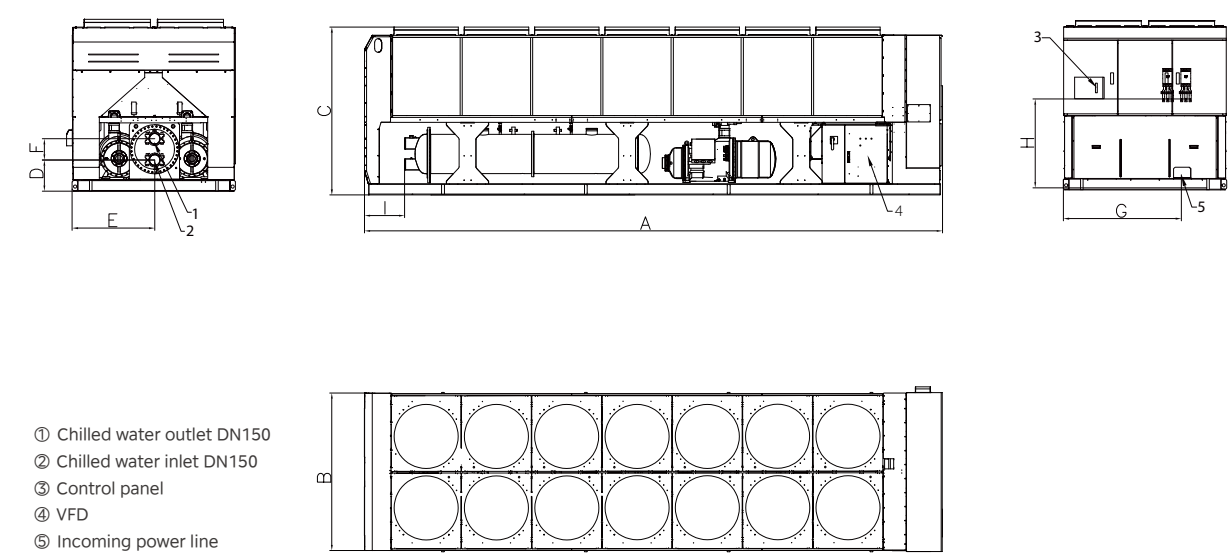
Model	Dimensions (unit: mm)								
SCAF***HVD(T3)	A	B	C	D	E	F	G	H	I
240,250	7750	2300	2460	435	1150	300	1700	1450	140



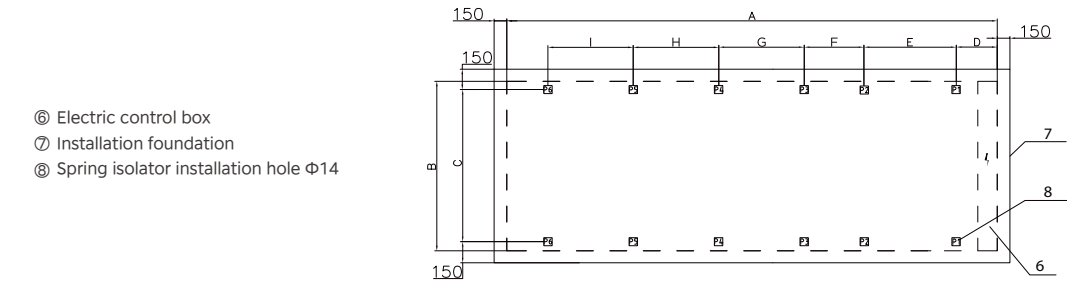
Model	Dimensions (unit: mm)							
SCAF***HVD(T3)	A	B	C	D	E	F	G	H
240,250	7750	2300	2180	500	1700	1700	1650	1650

Model	Spring isolator at all points				
SCAF***HVD(T3)	P1	P2	P3	P4	P5
240,250	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

260-280, dual-compressor, T3



Model	Dimensions (unit: mm)								
SCAF***HVD(T3)	A	B	C	D	E	F	G	H	I
260,270,280	8255	2300	2460	435	1150	300	1195	1400	550

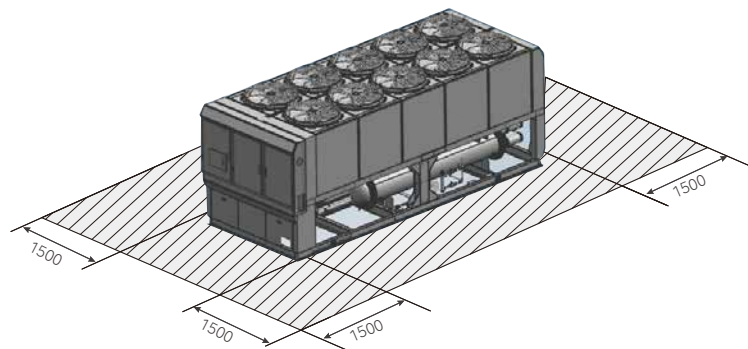


Model	Dimensions (unit: mm)								
SCAF***HVD(T3)	A	B	C	D	E	F	G	H	I
260,270,280	8255	2300	2180	500	1500	1470	1330	1200	1500

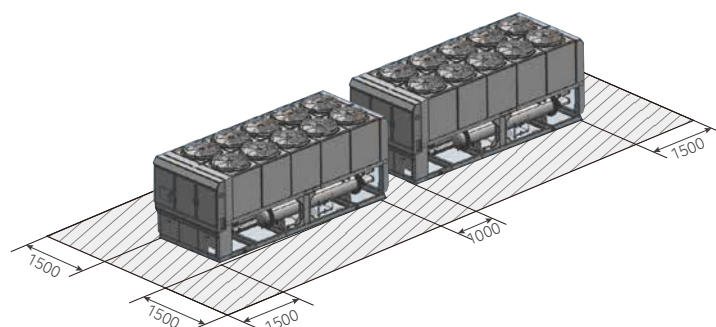
Model	Spring isolator at all points					
SCAF***HVD(T3)	P1	P2	P3	P4	P5	P6
260,270,280	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050	MHD-1050

Installation and maintenance

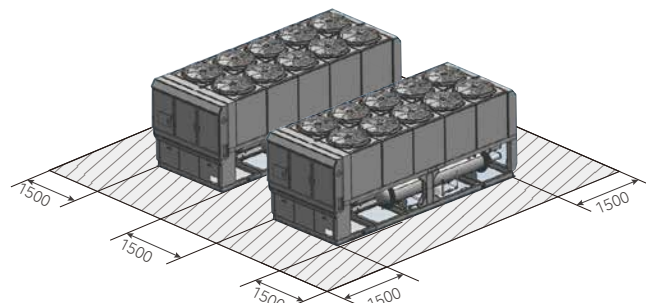
Single installation



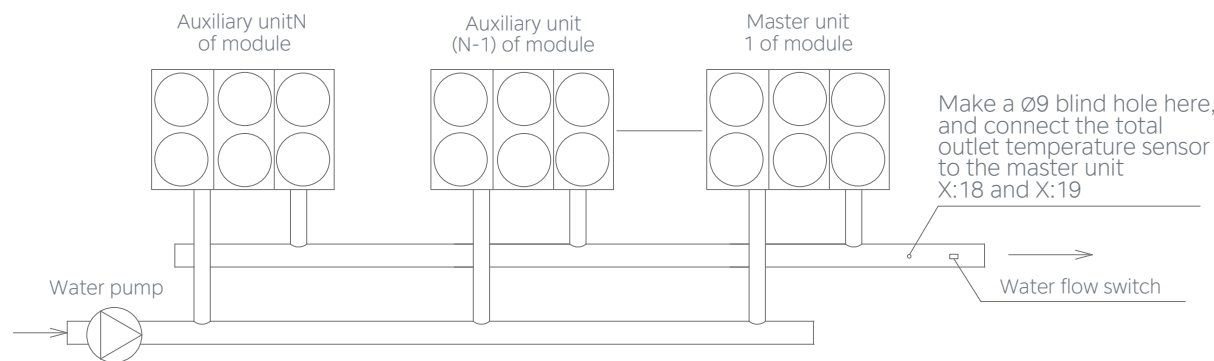
Horizontal placement



Vertical placement

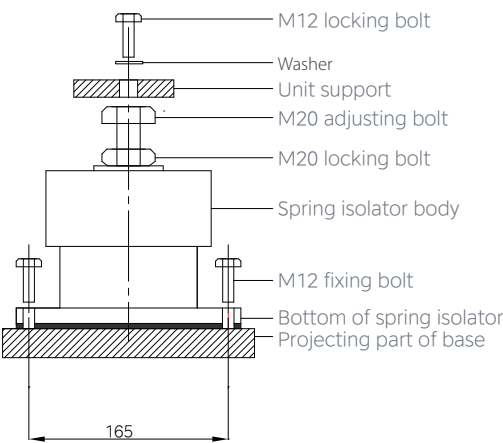


When multiple units are used in combination, the total water outlet temperature sensor must be installed on the main water outlet pipe. Specific steps are as follows:

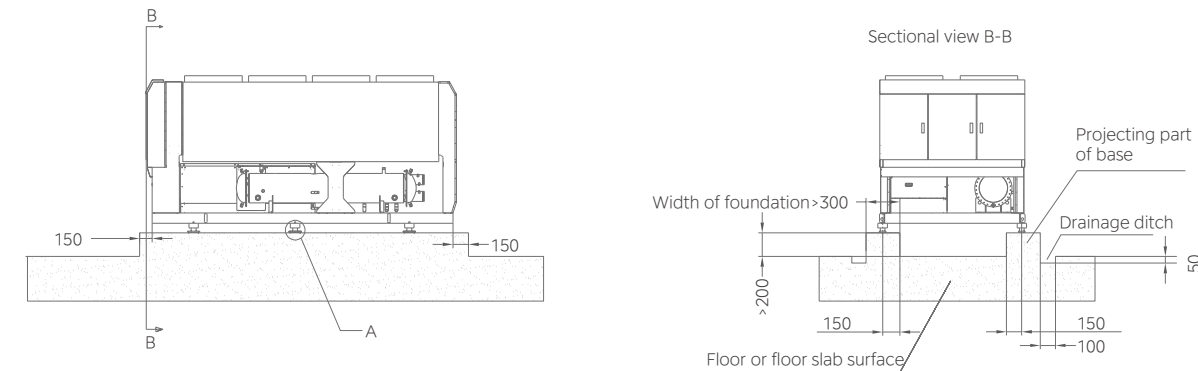


Note: The total water outlet temperature sensor is optional and must be purchased separately.

Layout



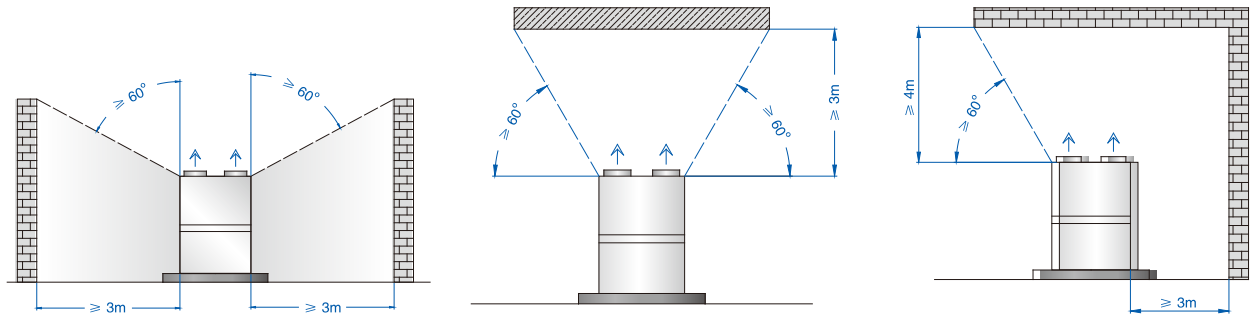
Note: The distance is 165 mm when the optional spring isolator provided by Midea is used.



- Notes:
1. The unit should be installed on the base due to vibration, and the base should be strong enough to bear the operating weight of the unit.
 2. When the concrete base is constructed, ditches must be built around the base to facilitate drainage.
 3. When the unit is installed, a spring isolator is required. See the unit base diagram for the size and location of the spring isolator.
 4. Standard products do not come with ground bolts. Customers may buy and install bolts according to the situation on site. Ground bolts can be installed in the pre-embedded holes, or expansion bolts can be used.

Special installation spaces

- The unit should be installed at a well-ventilated outdoor location. If it is installed close to a wall, the minimum installation distances are shown below:
- If there are structures such as a canopy above the unit, the distances from the structure to the unit top must meet the requirements shown in the following diagram (without enclosing wall around the unit).
- When the unit must be installed under eaves, the distances must meet the requirements of the following diagram:



Options

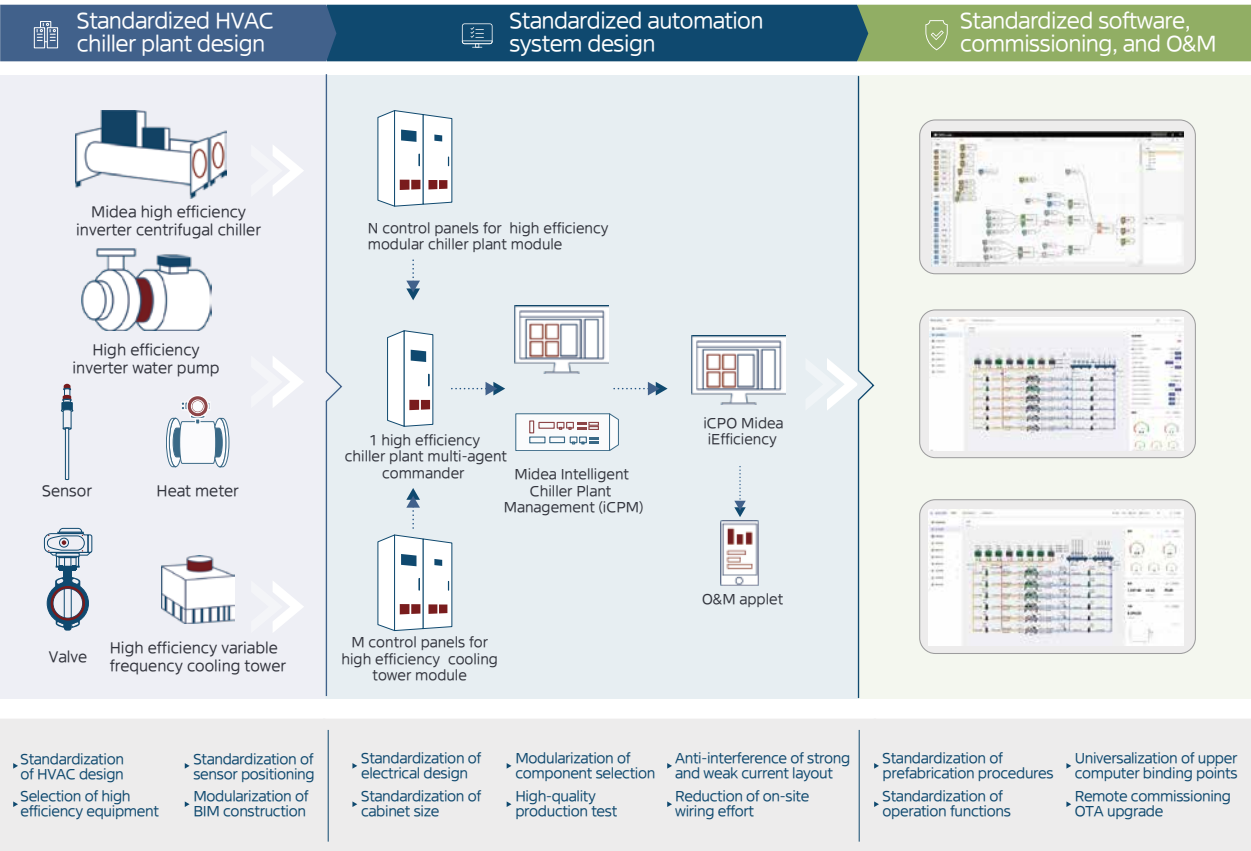
Items	Standard	Optional
Power supply	380 V 3~ 50 Hz	50Hz: 400V, 415V; 60Hz: 380V, 400V, 440V, 460V
Water side pressure	1.0MPa	1.6MPa, 2.0MPa
Heavy anti-corrosion treatment	×	✓
Communication	Modbus-RTU (RS485 port)	BACnet IP, BACnet MS/TP(RJ-45 port)
Water pipe connection	Victaulic	Flange
Spring isolator	×	✓
Water flow switch	×	✓
Insulation	20mm	40mm
Integral hydraulic module	×	✓
High water outlet temperature (cooling)	5~15°C	15~20°C
Low water outlet temperature (cooling)	×	-6°C(with ethylene glycol or propylene glycol)
Large temperature difference	×	8~10°C
Inverter fan	×	✓
EC fan	×	✓
Quick start	×	✓
Single point electrical connection	160 RT to 280 RT dual-compressor unit	Except 160 RT to 280 RT dual-compressor units
Controller	MIC	PLC
Free cooling	×	✓ (160 RT to 280 RT dual-compressor unit can not customize free cooling)
T3 series	×	✓
All year round cooling	×	✓(-20°C)
Vessel code	GB	ASME
Remote control panel	×	✓
Quick start	×	✓
Midea Intelligent Chiller Plant Management (iCPM)	×	✓
Midea smart cloud platform	×	✓
QuickView	×	✓

Note: for other options, please contact with our engineers.

Intelligent management

Midea Intelligent Chiller Plant Management (iCPM)

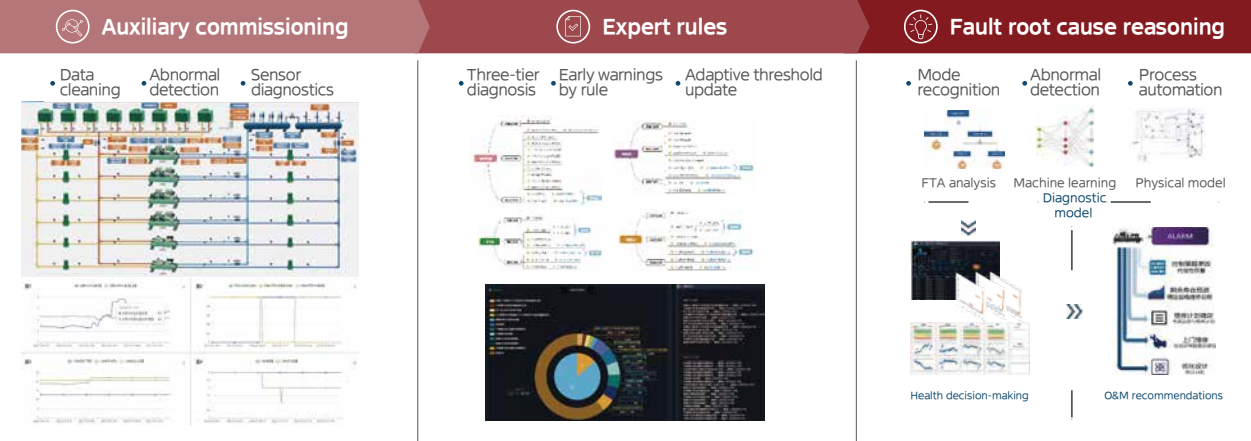
Through the integration of HVAC, automatic control, and software-hardware delivery, the virtual debugging platform optimizes the parameters of the intelligent chiller plant management. Midea's i-Efficiency platform ensures full-link energy efficiency with smart operations and maintenance, achieving efficient design, construction, and delivery with an end-to-end approach.



Full Life Cycle Scenario-based Smart Operation Application - Midea iEfficiency



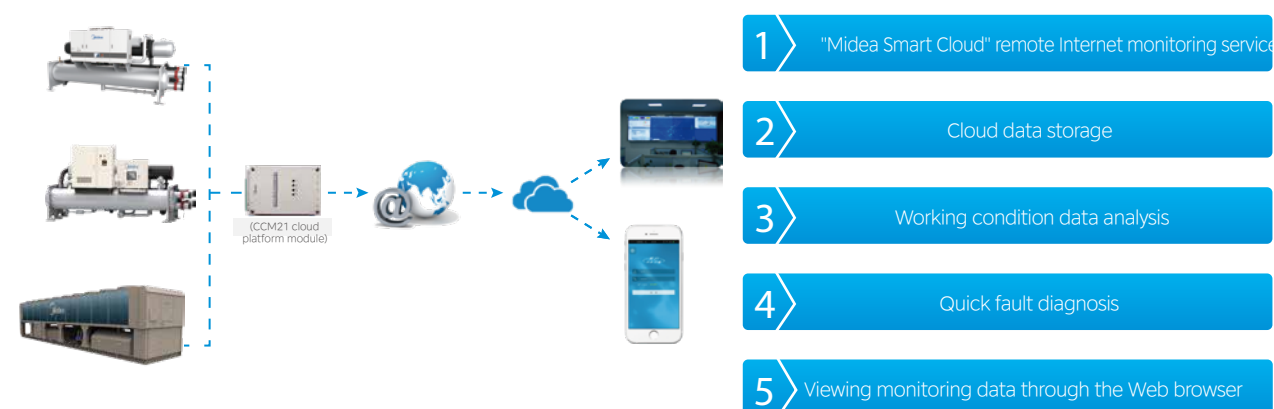
iCPO Smart O&M



Midea Smart Cloud platform

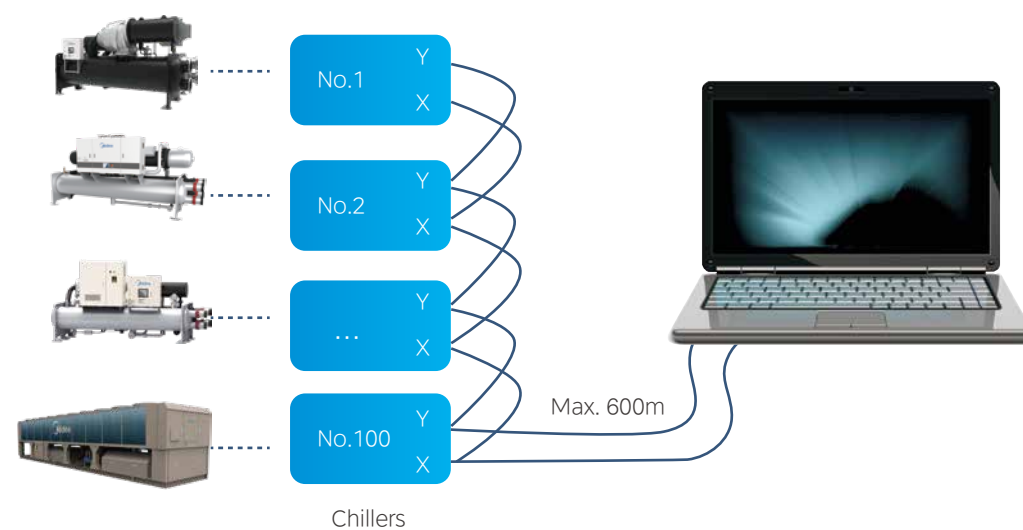


Midea's proprietary internet-based remote monitoring system offers customers a suite of cloud-based tools powered by advanced technology. By connecting their Midea air conditioning system via the IMU smart data acquisition terminal, customers receive professional support for remote fault diagnosis, analysis, and early failure warnings to ensure optimal equipment performance. Real-time monitoring data can be accessed through any web browser, providing customers with up-to-the-minute insights into their system's operation.



QuickView

Midea's proprietary QuickView smart software control system enhances real-time efficiency, stability, and reliability, while offering advanced visualization and scalability. It provides powerful features such as real-time monitoring of individual units, unit equipment management, remote control, curve display, data storage, alarm query, fault diagnosis, automatic cloud data upload, and external data analysis. This system significantly improves operational management efficiency while reducing the need for human input, as well as operations and maintenance costs.



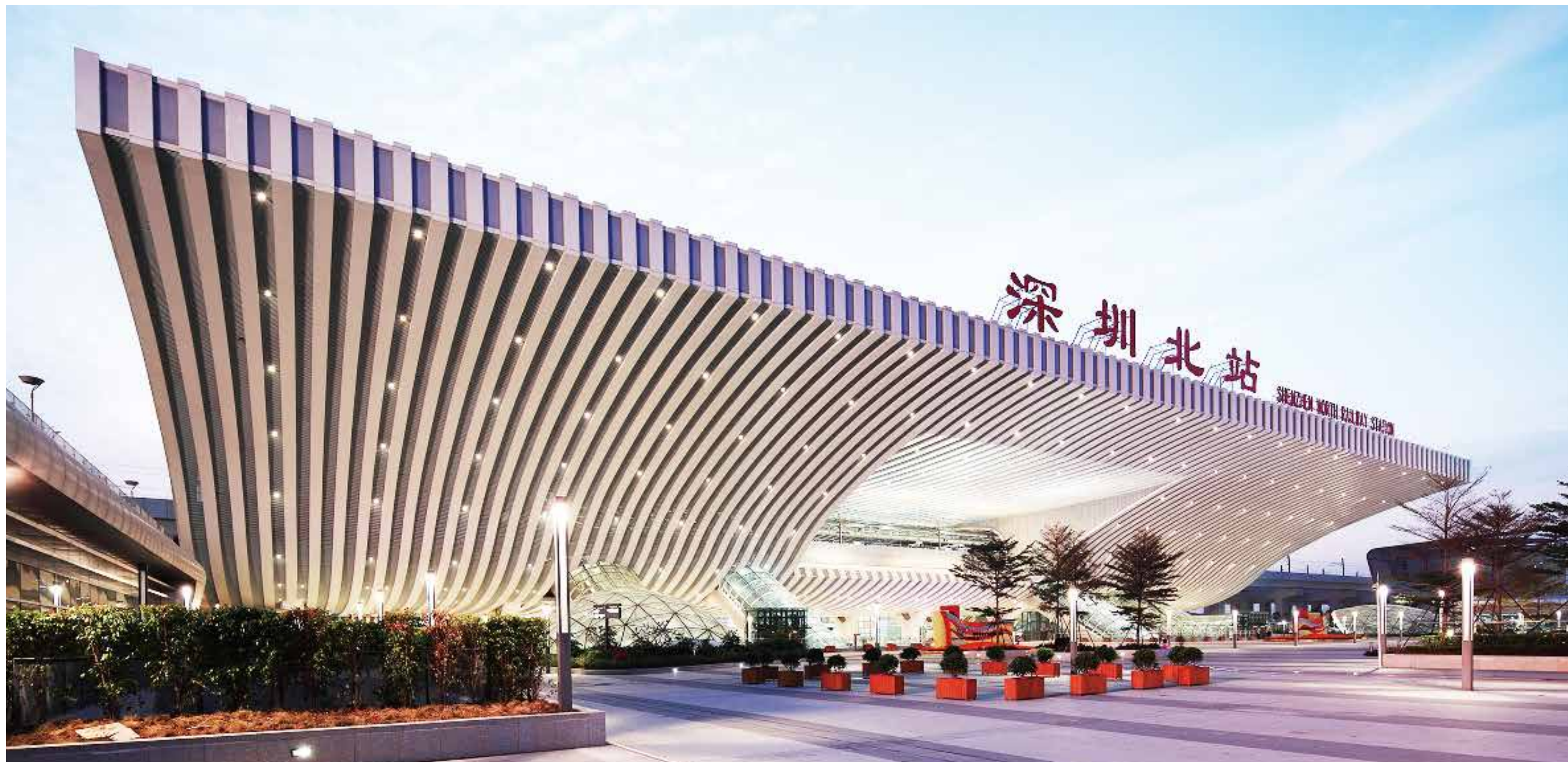
Reference projects



Mozambique Capital Airport

Country:	Mozambique
City:	Maputo
Total Capacity:	4,000 RT
Outdoor Unit:	Air cooled screw chiller & DC Inverter VRF
Indoor Unit:	FCU & AHU
Completion Year:	2012





Shenzhen North Railway Station

Country:	China
City:	Shenzhen
Total Capacity:	2,842 RT
Outdoor Unit:	Air cooled screw chiller & DC Inverter VRF
Indoor Unit:	MAHU & AHU & FCU
Completion Year:	2012





Sheraton Bandara Resort Hotel (Five Star)

Country:	Indonesia
City:	Jakarta
Total Capacity:	1,050 RT
Outdoor Unit:	Air cooled screw chiller
Indoor Unit:	FCU
Completion Year:	2011



Hub Power Station

Country:	Pakistan
City:	Balochistan
Outdoor Units:	Tropical air cooled screw chiller
Total Capacity:	1,024 RT



Renaissance Hotel (Five Star)

Country:	Thailand
City:	Pattaya
Total Capacity:	512 RT
Outdoor Units:	Air cooled screw chiller
Indoor Units:	AHU
Completion Year:	2017



Sarab Community Market

Country:	UAE
City:	Abu Dhabi
Outdoor Units:	Air cooled screw chiller
Indoor Units:	AHU
Total Capacity:	1,137 RT



Indoor Stadium Huamark

Country:	Thailand
City:	Bangkok
Outdoor Units:	Air cooled screw chiller
Indoor Units:	AHU
Total Capacity:	8,800 kW



AL WAQF SHOPPING DISTRICT

Country:	UAE
Outdoor Units:	AirBoost air cooled screw chiller
Total Capacity:	1,240 RT