Air-cooled Unit Info

Project Name:Project Selection:SCAF250HVD

Unit Information

Chiller Model	SCAF250HVD	Chiller Series	SCAF-HV
Net Weight	8350 kg	Length	7.25 m
Running Weight	8650 kg	Width	2.3 m
Refrigerant Type	R134a	Height	2.46 m
Refrigerant Charge	130|130 kg	Sound	81.17 dB(A)
Controller	MicroComputer Controller	Frequency	60 Hz
Voltage	460 V	Operating Range	T1
Capacity Control	Variable Frequency	Starter Type	VFD Starter
Transport Length	7.35 m	Transport Width	2.3 m
Transport Height	2.46 m	Type Code	MV60AH

***Due to additional options and manufacturing deviation, the weight data and 3D dimension in this report is for reference only, and the actual weight and 3D dimension of the unit is subject to the actual product.**

Barometric Information

Altitude	900 m	Barometric Pressure	91.0 kPa

Performance Information

Cooling Condition

Ambient Temperature(DB)	95.0 °F	Cooling Capacity	245.8 RT
Leaving Fluid Temperature	44.00 °F	Input Power	259.7 kW
Entering Fluid Temperature	54.00 °F	COP.R	3.327 kW/kW
Fluid Flow Rate	590.4 gpm	IPLV.IP	5.017 kW/kW
Water Pressure Drop	10.2 psi		

Compressor Information

Type	Variable-frequency	Oil Model	MCO-FH
Model	MV60AH	Oil Charge	23|23 L
Brand	Midea	Number of Compressors	1|1

Water Side Information

Heat Exchanger Type	Shell-and-Tube	Heat Exchanger Code	Flooded
Connection Size	DN150	Connection Type	Victaulic
Fluid Type	Fresh Water	Concentration	0 %
Fouling Factor	0.000100 h*ft²*°F/Btu	Water Volume	0.15 m³

Air Side Data

Heat Exchanger Type	Fin-Coil	Air Flow	27000 m³/h
Number of Fans	12	FLA of Fan (Each)	6.3 A
Fan Type	Fixed-frequency	Power Input of Fan(Each)	2.800 kW

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Electrical Information

Voltage ---------- 460 V Starting Amps ---------- ≤226.8|≤226.8 A

Cooling Full Load Amps---------- 453.7 A Maximum Operating Amps ---------- 582.8 A

Maximum Operating Power ---------- 337.0 kW

When Hydraulic Module Option is selected, the related current and operating power do not include the parameters of water pump of the hydraulic module, please consult the factory for details.

Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591(SI). Certified units may be found in the AHRI Directory at www.ahridirectory.org.

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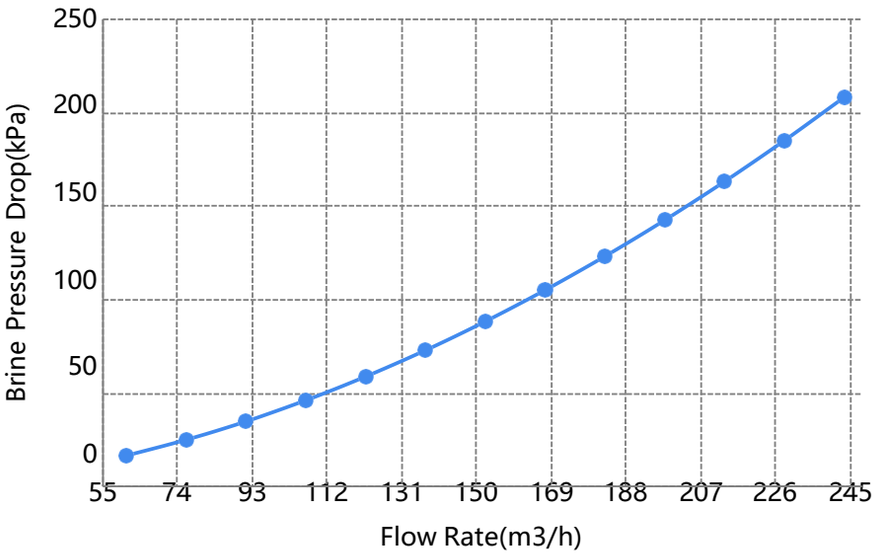
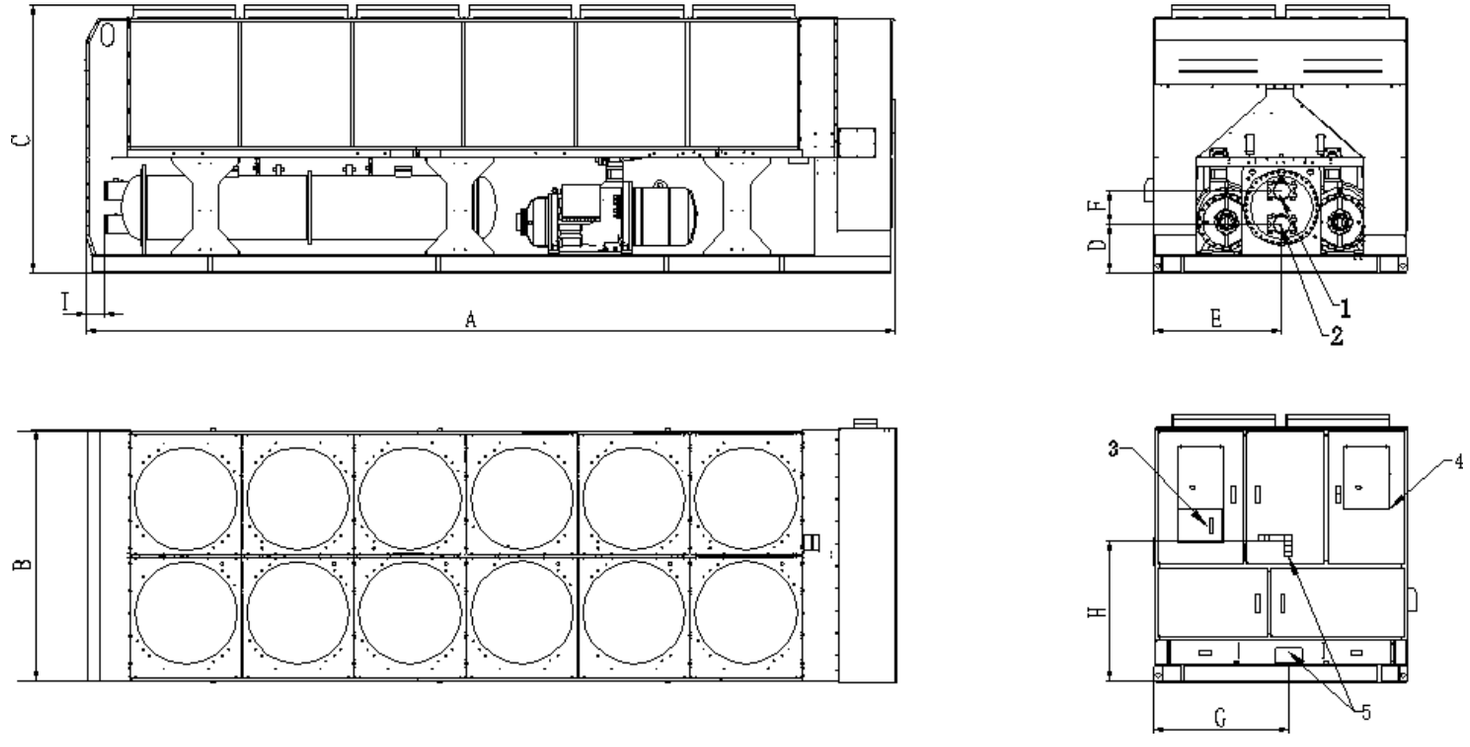
Fluid Pressure Drop Map

Standard Fluid Pressure Drop Map



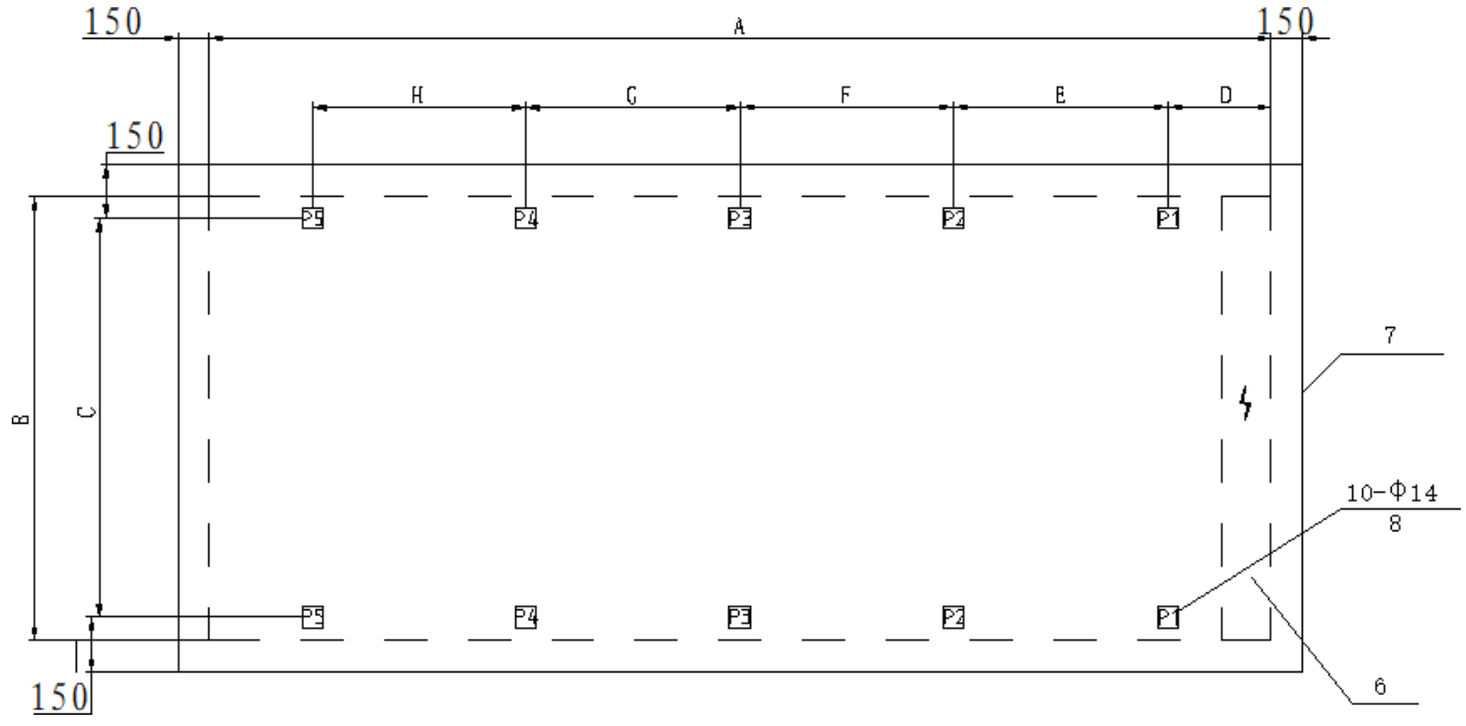
Chiller Outline Drawing



Location points of outline drawing (unit mm)									
Chiller Model	A	B	C	D	E	F	G	H	I
SCAF250HVD	7250	2300	2460	435	1150	300	1195	1400	140

Explaination					
Chiller Model	1	2	3	4	5
SCAF250HVD	Chilled water outlet	Chilled water inlet	Control panel	VFD	Power incoming line

Chiller Foundation Drawing



Location point of foundation map (unit mm)								
Chiller Model	A	B	C	D	E	F	G	H
SCAF250HVD	7250	2300	2180	500	1500	1540	1560	1500

Load bearing position point of spring isolator					
Chiller Model	P1	P2	P3	P4	P5
SCAF250HVD	MHD-B-1050	MHD-B-1050	MHD-B-1050	MHD-B-1050	MHD-B-1050

Explaination			
Chiller Model	6	7	8
SCAF250HVD	Electric control box	Installation foundation	Spring isolator installation hole

1. Spring isolator is optional. 2. The value in the spring isolator represents the allowable weight, unit kg. 3.If a custom hydraulic module option is selected, a set of spring dampers with the serial number P0 will be added. 4. If A1 is present in the above table, this dimension represents the length of the unit after customizing the hydraulic module. 5. The area within the frame in the drawing shows the unit diagram after customizing the hydraulic module, for reference only.

***In case of any changes to the product or algorithm upgrades resulting from software selection parameter changes, the output parameters of the latest software version shall take precedence. The manufacturer reserves the right to make the final interpretation.**