

Project Name:Project

Selection:SCAF280HVD

Unit Information

Chiller Model	SCAF280HVD	Chiller Series	SCAF-HV
Net Weight	8950 kg	Length	8.255 m
Running Weight	9250 kg	Width	2.3 m
Refrigerant Type	R134a	Height	2.46 m
Refrigerant Charge	145 145 kg	Sound	81.12 dB(A)
Controller	MicroComputer Controller	Frequency	60 Hz
Voltage	460 V	Operating Range	T1
Capacity Control	Variable Frequency	Starter Type	VFD Starter
Transport Length	8.355 m	Transport Width	2.3 m
Transport Height	2.46 m	Type Code	2*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	274.2 RT
Leaving Fluid Temperature	44.00 °F	Input Power	288.9 kW
Entering Fluid Temperature	54.00 °F	COP.R	3.337 kW/kW
Fluid Flow Rate	658.7 gpm	IPLV.IP	4.987 kW/kW
Water Pressure Drop	10.0 psi		

Compressor Information

Type	Variable-frequency	Oil Model	MCO-FH
Model	2*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*ft ² *°F/Btu	Water Volume	0.17 m ³

Air Side Data

Heat Exchanger Type	Fin-Coil	Air Flow	27000 m ³ /h
Number of Fans	14	FLA of Fan (Each)	6.3 A
Fan Type	Fixed-frequency	Power Input of Fan(Each)	2.800 kW



Project Name:Project

Selection:SCAF280HVD

Electrical Information

Voltage ----- 460 V Starting Amps ----- ≤251.5|≤251.5 A
Cooling Full Load Amps----- 503.0 A Maximum Operating Amps ----- 639.7 A
Maximum Operating Power ----- 371.2 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.

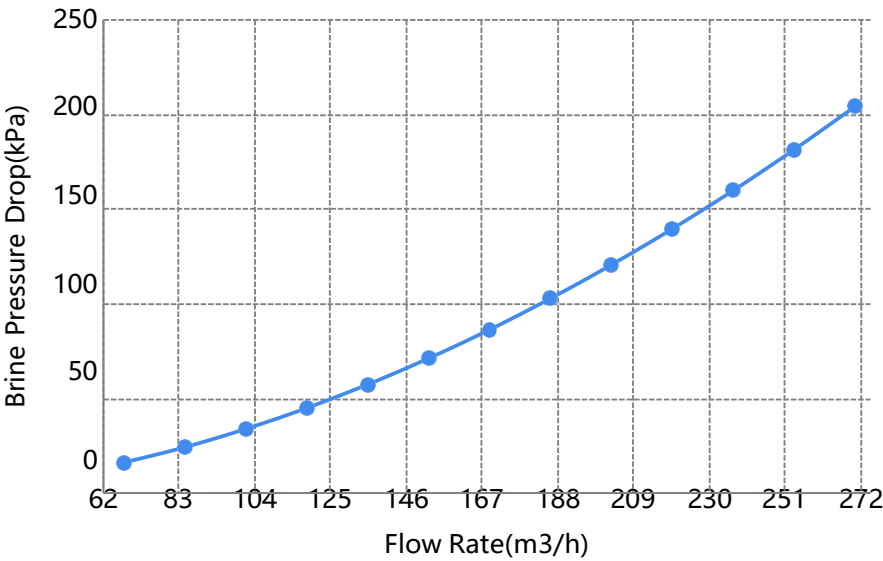
Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591(SI). Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Project Name:Project

Selection:SCAF280HVD

Fluid Pressure Drop Map

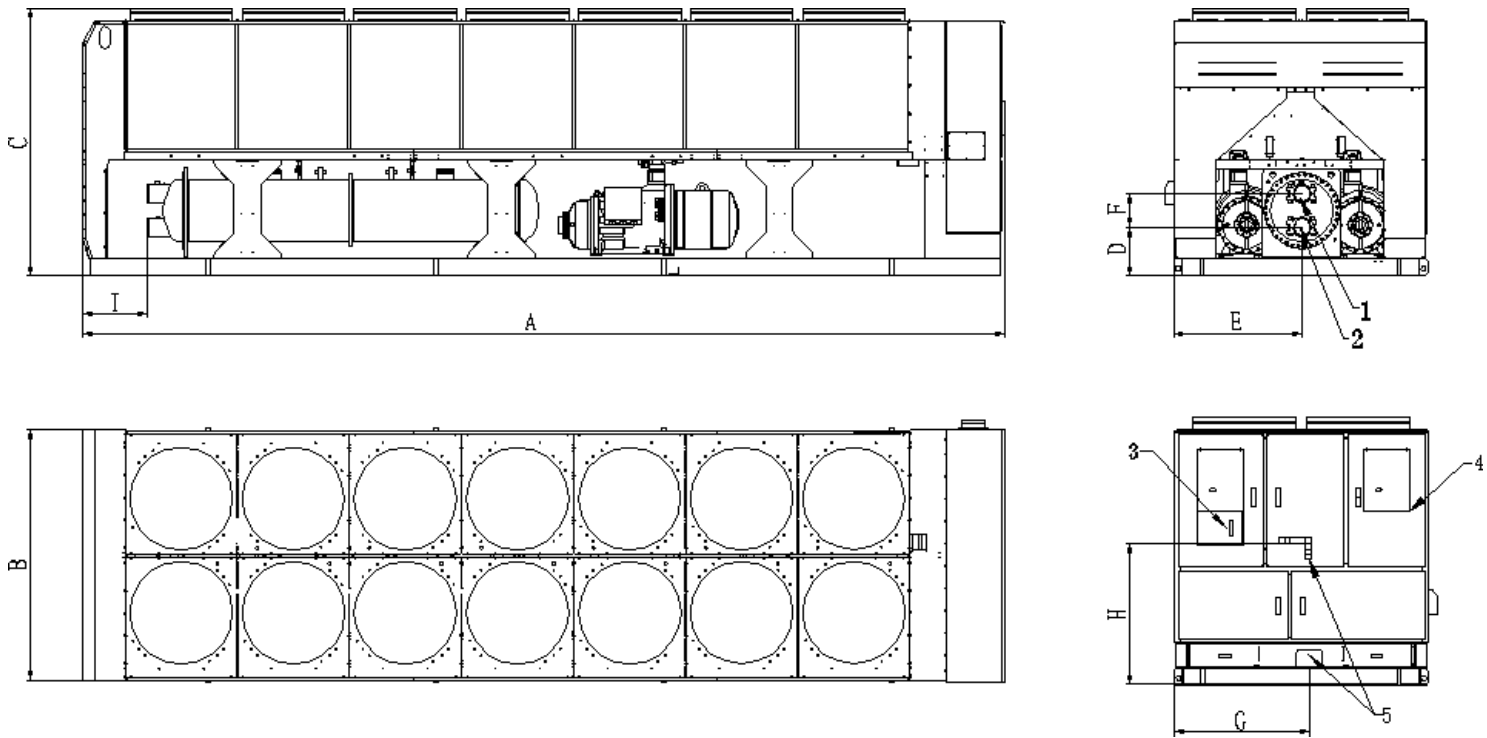
Standard Fluid Pressure Drop Map



Project Name:Project

Selection:SCAF280HVD

Chiller Outline Drawing



Location points of outline drawing (unit mm)									
Chiller Model	A	B	C	D	E	F	G	H	I
SCAF280HVD	8250	2300	2460	435	1150	300	1195	1400	550

Air-cooled Unit Info



Project Name:Project

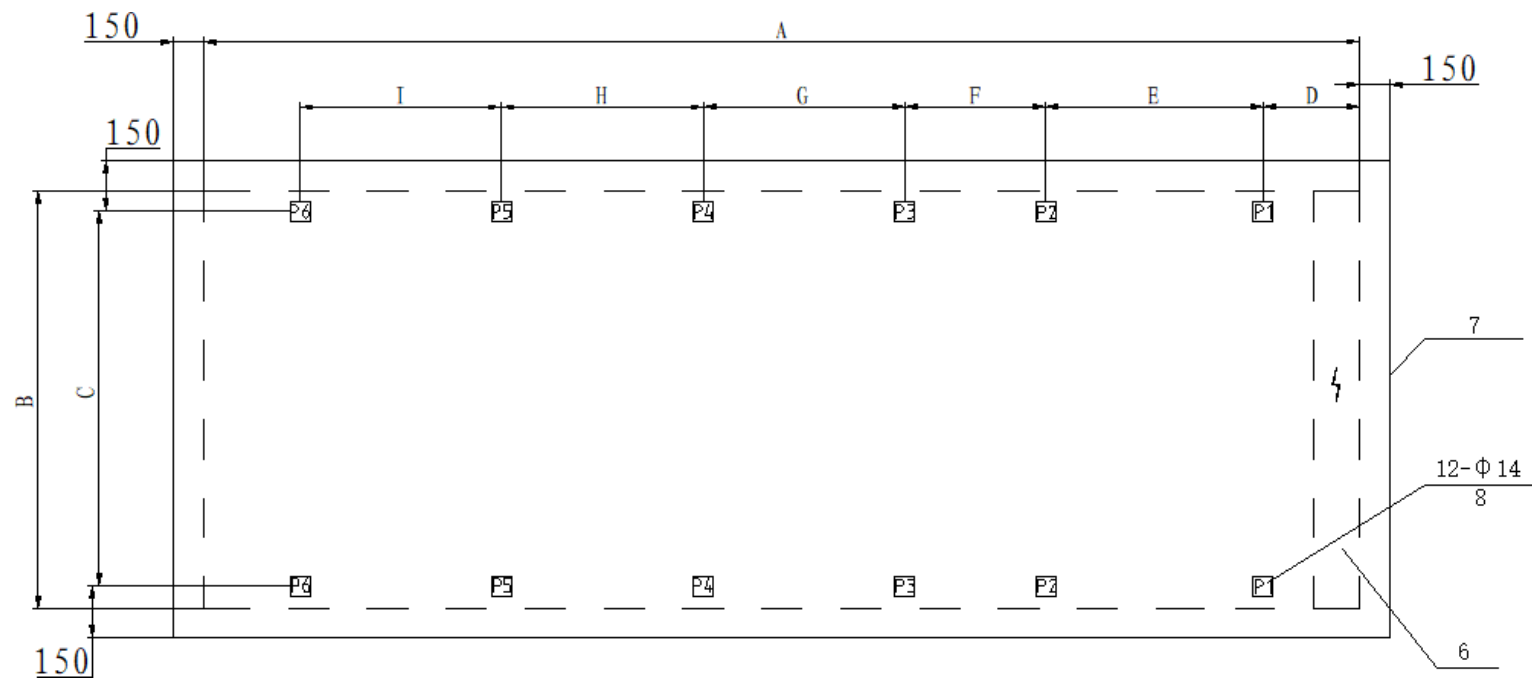
Selection:SCAF280HVD

Explanation					
Chiller Model	1	2	3	4	5
SCAF280HVD	Chilled water outlet	Chilled water inlet	Control panel	VFD	Power incoming line

Project Name:Project

Selection:SCAF280HVD

Chiller Foundation Drawing



Location point of foundation map (unit mm)									
Chiller Model	A	B	C	D	E	F	G	H	I
SCAF280HVD	8255	2300	2180	500	1500	1470	1330	1200	1500

Load bearing position point of spring isolator						
Chiller Model	P1	P2	P3	P4	P5	P6



Project Name:Project

Selection:SCAF280HVD

SCAF280HVD	MHD-B-1050	MHD-B-1050	MHD-B-1050	MHD-B-1050	MHD-B-1050	MHD-B-1050
------------	------------	------------	------------	------------	------------	------------

Explanation			
Chiller Model	6	7	8
SCAF280HVD	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.