



Sustainable Comfort

HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

1 GB First Class

FOCSWATER.E Series



CLIMAVENETA

A photograph of a modern building's interior. The space features multiple levels with curved balconies that have white railings and green decorative bands. The ground floor is a large, open lounge area with a polished wooden floor. It is furnished with grey armchairs, blue cushions, and small yellow round tables. A large, dark, textured pillar stands on the right side. The lighting is warm and modern, with recessed ceiling lights and wall sconces.

Core Technical Concept

Energy efficiency

Comfort and reliability

Customer-made approach

Environmental respect

Energy saving Choice

CLIMAVENETA constantly strive technology innovation to deliver better performance and higher reliability products consistently on the basis of customer focus. FOCSWATER.E Series Water-cooled Flooded Higher Efficiency Screw Chiller deliver superior full load performance and is also AHRI certified. It's equipped with latest W3000 microprocessor, HFC134a refrigerant, new designed hi-efficiency heat exchanger. The optimized design makes the system more compatible, higher efficiency, more environment friendly and reliable. It is ideal for both commercial and industrial applications. Especially for the FOCSWATER.E-INV screw chiller with inverter, part load performance is also superior and and especially suitable for large comfort complexes with variable population and unstable cooling demand, such as railway, hotel, hospital, etc.



Screw Compressor

- Semi-hermetic twin screw compressors with special designed for HFC 134a, featuring in high efficiency compression and operation under full load and part load condition;
- Precisely manufactured twin rotor and aerospace-grade bear result in reliable performance, low noise and stable operation;
- Direct-drives motor and least moving part make whole the unit without other energy lost which also contribute to better operation efficiency;



Inverter Technology

- Inverter start as standard to reduce power in-rush at start-up
- A DC choke is integrated in the inverter to reduce current harmonic distortion to the inverter.
- Noise much lower at partial load conditions, making a friendly environment especially for applications with large population.
- Onboard inverter installed and connected at factory, easy installation on site.

Flooded type evaporator

- The copper tube of flooded type evaporator are completely dipped inside the boiling liquid refrigerant. Thanks to this design, the unit performance and COP are enhanced obviously;
- Super high efficiency copper tube are designed with patent technology. The external screw on the tube increases the evaporation of the refrigerant and is beneficial for the drop condensation, so it reduces the heat transfer temperature difference between tube internal surface and external surface effectively;
- In order to achieve perfect water perturbation and turbulent heat transfer, the internal surface of the copper tube is also special designed;
- Because the chilled water flows inside the tube, it's quite easy to clean and maintenance.

Electric Expansion Valve

The electric expansion valve is featured by its precise control, high sensitivity and well adaption to the part load condition. So CLIMAVENETA cooperate with world leader supplier for best performance both for full load and part load condition.



Environment Friendly

- Adopting HFC134a
- Optimized refrigerant system for better electric saving, lower CO₂ emission and higher operation efficiency.



HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

High Stability

- The chiller is strictly designed, manufactured and tested based on international or national standard, such as AHRI、EN、UNI、JIS and GB/ T18430.1
- The built-in 3-stage oil separator and external 2-stage oil separator are dedicated for the best performance of gas-oil separation.
- The unique oil return kit are used to makes sure the performance.
- Each unit is fully tested by strict process for best reliability and to meet customer's request.
- The protection level of unit external panel comply with GB4208-2008 standard.

Easy Installation

- Compact design for floor area saving.
- The unit is oil and refrigerant charged before delivery, and it's completely factory tested under all range loading.
- The pressure difference type water flow switch is already installed on the chiller before delivery (we suggest to install water flow switch on piping).

Safety of Electrical Devices

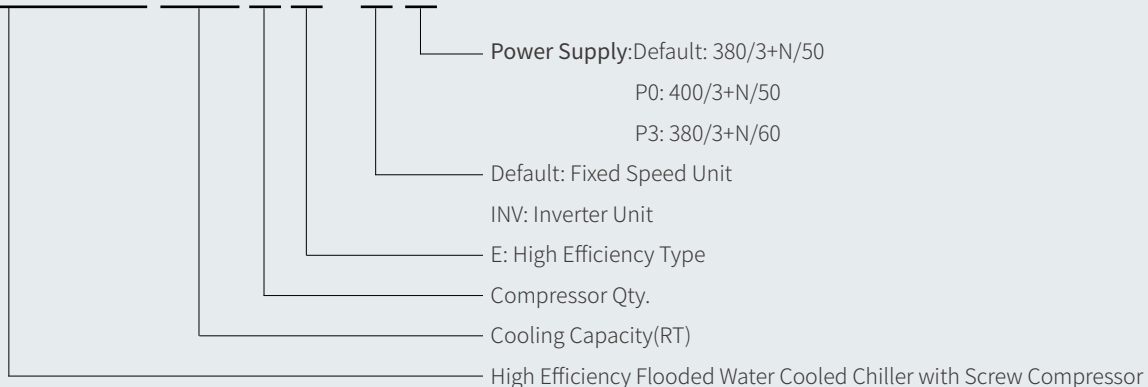
- The electric system is designed based on IEC60204-1-2005/GB5226.1-2008 standard. And the system comply with the EMC standard.
- The unit main power is inter locked with the bar breaker on the electric panel door. This special design aims to make sure the safety of the maintenance engineer.
- The electric component, such as the phase fault, phase unbalance, are all standard configuration for the chiller.

Convenient Maintenance

- Full computer controlling, menu displaying, unit self-checking as well as the load adjusting and safety is completely controlled by the microprocessor. Daily operation is only to switch on the unit.
- Multi-circuit design are better for standby request of the system
- The unit is available for functions such as fault protection, memorizing and alarming. All faults are clearly displayed.
- Each circuit has the check valve and "Pump Down" function for easy repairing.

Nomenclature

FOCSWATER 315 2 E - □ □



FOCSWATER3152E-INV

Water-cooled Flooded Higher Efficiency Inverter Screw Chiller with 315 RT cooling capacity, configured with 2 inverter compressors, featured by HFC134a refrigerant, flooded evaporator, power supply 380V/3Ph/50Hz.

Latest control system

The chiller adopts a new control system with a friendly humanmachine interface, excellent controls and adjustments ability, strong capabilities of function expansion, monitoring and management, as well as strong compatibility. The chiller also contains several optional accessories, and adds remote and group control functions.

Friendly human-machine interface

The operation screen is embedded in the unit for easy operation and good protection. The automatic control by the computer realizes unattended operation.

LCD screen can display data and parameter adjustment in various languages and menus. According to the tradition of Climaveneta, the status and parameters of the compressor are visually displayed individually to make sure the operating status clear at a glance.



Unit control and operation management

The advanced microcomputer intelligent control system of W3000 contains specially designed control algorithm of Climaveneta. It highlights the energy efficiency and reliability of the unit. The balanced running time of FIFO compressor prolongs the life of machine. The automatic adjustment of the output load makes the machine more energy saving. Combining with the load shedding system of the compressor can achieve 25-100% stepless adjustment. The adjustments and settings of the operating parameters can adapt to different environments. The temperature and pressure protection using analog measurement can predict and prevent of failure and increase reliability.

Network communication and building management control

The chiller supports BMS connection and can connect to common BMS systems such as Climaveneta, De'Longhi, MODBUS, LONWORKS, BACNET and so on.

FWS network server

Microcomputer intelligent controller can be equipped with FMS network server to monitor, set and adjust parameters and control the unit operation through LAN or Internet.

Fault protection, alarm and analysis capabilities

The microcomputer intelligent controller contains perfect functions of fault protection, alarm, recording and analysis. It has protection functions of high/low pressure switch, lack of phase, reverse phase, overload, overcurrent, overheat, exhaust temperature, water flow, frost and so on. The controller also achieves fault recording and alarm display. The unique "Black Box" fault recording and analyzing system can record 400 failures and more than 200 field data before each failure. It can diagnose and remove faults rapidly to improve the technical support effect. By connecting to the Climaveneta remote service program, it can find potential failures before they occur and take proper preventive treatments.

HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

Control features

Microprocessor	W3000	Microprocessor	W3000
Remote ON/OFF dry contact	√	Energy limit	OPT
Multi-language menu	√	"Pump-down" when stopped	√
Phase sequency relay	√	ModBus communication protocol	OPT
Cumulative fault alarm	√	BACNET communication protocol	OPT
Fault code	√	Interface connection to LonWorks network	OPT
"BLACK BOX" function for alarm events	√	Pump management	OPT
Switch-on self-check	√	Spare pump management	OPT
Programming of daily/weekly program	Par.	External 4-20mA signal for water temp. setting	OPT
Evaporator inlet/outlet water temperature display	√	Remote relay control	OPT
Compressor/ circuit failure display	√	Local/Remote supervision through FWS	OPT
General unit alarms display	√	Double set-point by external contact	OPT
Water temperature proportional control	√	Set-point regulation from external signal(0-5v)	OPT
Regular programming operation	Par.	Compressor run-timer,time balance & FIFO	√
Regular double set point	Par.	Management of the compressor working hours	√

√ Standard

OPT available on request

Par. available by modifying a value of the configuraton parameters

Remote group controller

Sequencer



- LCD Visual display
- Group control and management
- Centralized control unit ON/OFF
- Pump control
- Potocols as ModBus, LonWork, Bance are optional

Remote group controller



- Touch-screen
- Group control and management
- Centralized control unit ON/OFF
- Pump control
- Potocols as ModBus, LonWork, Bance are optional

Recommended Operation Range

Cooling Condition	Water Inlet Temp (°C)		Water Outlet Temp (°C)	
	Min.	Max.	Min.	Max.
Chilled Water	-	23	5	15
Cooling Water	12*	-	22	47.5

Remark:

1. "*" means the optional cooling water control is required, if the cooling water temperature is lower than the value;
2. For other operation condition which is exceed the range above, please contact Climaveneta office for detail information.

General Technical Data (Fixed Speed Unit)

FOCSWATER.E(-P0)	0601	0751	0851	1001	1101	1301	1451	1701	1951	2201	2451	2602	2752	2902	3152	3502	3702	3952	4202	4452	4702	4952
Cooling Capacity	kW	217.1	261.5	306.2	347.3	394.1	457.1	511.8	604.5	681.2	773.1	858.9	915.9	970.7	1030.0	1114.0	1236.0	1314.0	1391.0	1472.0	1567.0	1743.0
Power input	kW	37.5	44.2	52.0	59.6	68.4	77.1	86.6	98.7	111.2	126.0	139.4	149.5	158.3	167.8	181.6	192.0	204.3	216.2	228.9	243.6	268.9
Chilled Water Flow	m ³ /h	37.3	45.0	52.7	59.7	67.8	78.6	88.0	104.0	117.2	132.9	147.7	157.5	167.0	177.1	191.5	212.6	226.0	239.2	253.2	269.4	299.9
Chilled Water Pressure Drop	kPa	44.3	58.5	50.2	58.9	56.5	44.1	44.2	38.7	39.7	40.7	39.1	51.1	47.4	53.3	52.1	35.7	40.4	38.3	43.0	39.2	53.1
Cooling Water Flow	m ³ /h	47.7	57.3	67.2	76.3	84.2	100.2	112.3	132.0	148.7	168.7	187.4	200.0	211.9	224.7	243.1	268.1	301.8	319.4	339.8	358.5	378.0
Cooling Water Pressure Drop	kPa	56.3	73.7	63.7	72.8	68.9	61.4	59.3	49.3	54.4	53.2	52.7	58.0	65.1	65.1	72.7	47.4	46.3	51.9	47.9	54.3	70.0

Controller W3000

Compressor No.	n	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
Circuit No.	n	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2

Capacity Regulating 30%-100% Stepless 15%-100% Stepless

HFC-134a Charged	kg	80	80	85	90	90	100	105	135	140	155	165	200	200	220	235	265	280	310	320	330	340	360
Lubrication Oil	kg	16	16	16	17	19	23	26	28	28	30	30	46	49	52	54	56	56	58	60	60	60	60
Operating Weight	kg	1770	1860	1985	2035	2135	2575	2700	3090	3280	4025	4120	5110	5250	5390	5600	6350	6895	7300	7785	8280	8440	8725

Dimension

Length	mm	2940	2940	2940	2940	2940	2950	2950	2950	2950	3000	3000	3350	3350	3350	3350	3440	3540	3540	3540	3540	3940
Width	mm	1070	1070	1070	1070	1070	1120	1120	1200	1200	1220	1220	1730	1730	1770	1770	1850	1890	1950	1970	1970	1970
Height	mm	1890	1890	1890	1890	1890	2140	2140	2320	2320	2410	2410	2200	2200	2200	2200	2320	2370	2430	2410	2410	2410

Remarks:

- Cooling condition: outlet temperature of chilled water 7℃ , chilled water flow per cooling capacity 0.172 m³/h · kW ; outlet temperature of cooling water 30℃ , cooling water flow per cooling capacity 0.215 m³/h · kW .
- Standard water side pressure of evaporator and condenser is 1.0MPa, 1.6MPa and 2.0MPa is optional
- Special application, such as river, sea water, please contact Climaveneta office for detail

HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

General Technical Data (Fixed Speed Unit)

FOCSWATER.E(-P0)	0601	0751	0851	1001	1101	1301	1451	1701	1951	2201	2451	2602	2752	2902	3152	3502	3702	3952	4202	4452	4702	4952
Cooling Capacity	kW	214.2	258.0	302.1	342.7	389.5	451.0	505.0	596.5	672.2	762.8	847.5	903.8	957.8	1016.0	1099.0	1219.0	1297.0	1453.0	1546.0	1631.0	1720.0
Power input	kW	37.8	44.6	52.5	60.1	68.9	77.9	87.5	99.7	112.3	127.2	140.8	151.0	159.8	169.4	183.4	193.9	206.3	218.4	231.2	246.0	259.1
Chilled Water Flow	m ³ /h	33.5	40.4	47.3	53.6	60.9	70.6	79.0	93.3	105.2	119.4	132.6	141.4	149.9	159.0	172.0	190.9	202.9	214.8	227.3	241.9	255.2
Chilled Water Pressure Drop	kPa	35.7	47.1	40.5	47.5	45.7	35.6	35.6	31.2	32	32.8	31.5	41.2	38.2	43	42	28.8	32.5	30.9	34.6	31.6	35.2
Cooling Water Flow	m ³ /h	41.6	49.9	58.5	66.5	75.6	87.3	97.8	114.9	129.5	146.9	163.2	174.1	184.5	195.7	211.7	233.4	248.2	262.7	278.1	295.9	312.1
Cooling Water Pressure Drop	kPa	42.7	55.9	48.3	55.2	55.6	46.6	44.9	37.4	41.3	40.4	39.9	44	49.4	49.4	55.1	36	35.1	39.3	36.3	41.1	39.9
Controller	W3000																					
Compressor No.	n	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
Circuit No.	n	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
Capacity Regulating	30%-100% Stepless											15%-100% Stepless										
HFC-134a Charged	kg	80	80	85	90	90	100	105	135	140	155	165	200	200	220	235	265	280	310	320	330	340
Lubrication Oil	kg	16	16	16	17	19	23	26	28	28	30	30	46	49	52	54	56	56	58	60	60	60
Operating Weight	kg	1770	1860	1985	2035	2135	2575	2700	3090	3280	4025	4120	5110	5250	5390	5600	6350	6895	7300	7785	8280	8725
Dimension																						
Length	mm	2940	2940	2940	2940	2940	2950	2950	2950	2950	3000	3000	3350	3350	3350	3350	3440	3540	3540	3540	3540	3940
Width	mm	1070	1070	1070	1070	1070	1120	1120	1200	1200	1220	1220	1730	1730	1770	1770	1850	1890	1950	1970	1970	1970
Height	mm	1890	1890	1890	1890	1890	2140	2140	2320	2320	2410	2410	2200	2200	2200	2200	2320	2370	2430	2410	2410	2410

Remarks:

1. Cooling condition: Evaporator water inlet/outlet temp. 12.2/6.7 °C , Condenser water inlet/outlet temp. 29.4/34.6 °C
2. Standard water side pressure of evaporator and condenser is 1.0MPa, 1.6MPa and 2.0MPa is optional
4. Special application, such as river, sea water, please contact Climaveneta office for detail

General Technical Data (Inverter Unit)

FOCSWATER.E-INV(-P0/-P3)	0601	0751	0851	1001	1101	1301	1451	1701	1951	2201	2451	2602	2752	2902	3152	3502	3702	3952	4202	4452	4702	4952	
Cooling Capacity	kW	219.3	264.1	309.3	350.8	398.7	461.8	517.0	611.5	689.1	782.0	868.8	926.5	981.9	1041.0	1126.0	1250.0	1329.0	1407.0	1489.0	1585.0	1672.0	1764.0
Power input	kW	38.7	45.7	53.8	61.6	70.5	79.7	89.6	101.7	114.5	129.7	143.6	154.0	163.0	172.8	187.1	197.8	210.5	222.7	235.8	250.9	264.3	277.0
COP	kW/kW	5.67	5.78	5.75	5.70	5.66	5.79	5.78	6.01	6.02	6.03	6.05	6.02	6.02	6.02	6.02	6.32	6.31	6.32	6.32	6.32	6.33	6.37
IPLV	kW/kW	7.88	8.05	8.00	7.93	7.87	8.06	8.03	8.24	8.36	8.37	8.40	8.49	8.50	8.44	8.54	8.65	8.65	8.65	8.65	8.66	8.72	
Chilled Water Flow	m³/h	37.7	45.4	53.2	60.3	68.6	79.4	88.9	105.2	118.5	134.5	149.4	159.4	168.9	179.1	193.7	215.0	228.6	242.0	256.1	272.5	287.6	303.3
Chilled Water Pressure Drop	kPa	45.2	59.7	51.2	60.1	57.9	45.0	45.1	39.6	40.6	41.6	40.0	52.3	48.5	54.5	53.3	36.5	41.3	39.2	43.9	40.1	44.7	54.3
Cooling Water Flow	m³/h	46.4	55.7	65.3	74.1	84.3	97.3	109.0	132.0	148.8	168.8	187.4	200.0	212.0	224.8	243.2	268.2	285.2	301.8	319.4	339.9	358.6	377.9
Cooling Water Pressure Drop	kPa	53.1	69.5	60.1	68.7	69.1	57.9	55.9	49.3	54.4	53.3	52.7	58.0	65.1	65.2	72.7	47.5	46.3	51.9	48.0	54.3	52.7	70.0
Controller		W3000																					
Compressor No.	n	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	
Circuit No.	n	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	
Capacity Regulating		30%-100% Stepless										15%-100% Stepless											
HFC-134a Charged	kg	80	80	85	90	90	100	105	135	140	155	165	200	200	220	235	265	280	310	320	330	340	360
Lubrication Oil	kg	16	16	16	17	19	23	26	28	28	30	30	46	49	52	54	56	56	56	58	60	60	60
Operating Weight	kg	1840	1930	2055	2105	2205	2645	2770	3160	3350	4095	4190	5260	5400	5540	5750	6500	7045	7450	7935	8430	8590	8875
Dimension																							
Length	mm	2940	2940	2940	2940	2940	2950	2950	2950	2950	3000	3000	3350	3350	3350	3350	3440	3540	3540	3540	3540	3540	3940
Width	mm	1120	1120	1120	1120	1120	1120	1120	1220	1220	1280	1280	1960	1960	1960	1960	2070	2130	2130	2130	2150	2150	2150
Height	mm	2030	2030	2030	2030	2030	2155	2155	2320	2320	2410	2410	2200	2200	2200	2200	2320	2370	2430	2410	2410	2410	2410

Remarks:

- Cooling condition: outlet temperature of chilled water 7 C , chilled water flow per cooling capacity 0.172 m³/h · kW) ; outlet temperature of cooling water 30 C , cooling water flow per cooling capacity 0.215 m³/h · kW) .
- Standard water side pressure of evaporator and condenser is 1.0MPa, 1.6MPa and 2.0MPa is optional
- Special application, such as river, sea water, please contact Climaveneta office for detail

HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

General Technical Data (Inverter Unit)

FOCSWATER.E-INV(-P0/-P3)		0601	0751	0851	1001	1101	1301	1451	1701	1951	2201	2451	2602	2752	2902	3152	3502	3702	3952	4202	4452	4702	4952
Cooling Capacity	kW	217.2	261.7	306.4	347.6	395.0	457.5	512.2	605.0	681.7	773.7	859.5	916.7	971.5	1030.0	1114.0	1237.0	1315.0	1392.0	1473.0	1568.0	1654.0	1745.0
Power input	kW	38.5	45.5	53.5	61.3	70.2	79.3	89.1	101.6	114.4	129.6	143.5	153.9	162.8	172.6	186.9	197.6	210.2	222.5	235.5	250.6	264.0	276.7
COP	kW/kW	5.64	5.75	5.73	5.67	5.64	5.77	5.75	5.96	5.96	5.97	5.99	5.96	5.97	5.97	5.96	6.26	6.26	6.26	6.26	6.26	6.27	6.31
IPLV	kW/kW	9.21	9.39	9.32	9.25	9.21	9.40	9.39	9.47	9.74	9.74	9.75	9.89	9.90	9.77	9.98	9.92	9.91	9.92	9.90	9.92	9.92	10.00
Chilled Water Flow	m³/h	34.0	41.0	48.0	54.4	61.8	71.6	80.2	94.7	106.7	121.1	134.5	143.5	152.0	161.2	174.4	193.6	205.8	217.8	230.6	245.4	258.9	273.1
Chilled Water Pressure Drop	kPa	36.8	48.5	41.6	48.8	47.0	36.6	36.6	32.1	32.9	33.7	32.4	42.4	39.3	44.2	43.2	29.6	33.5	31.8	35.6	32.5	36.2	44.0
Cooling Water Flow	m³/h	42.2	50.7	59.4	67.5	76.8	88.6	99.2	116.6	131.4	149.1	165.6	176.7	187.3	198.6	214.8	236.9	251.9	266.6	282.2	300.3	316.8	333.9
Cooling Water Pressure Drop	kPa	44.0	57.6	49.8	56.9	57.3	48.0	46.3	38.5	42.5	41.6	41.1	45.3	50.8	50.9	56.8	37.0	36.2	40.5	37.4	42.4	41.1	54.6
Controller		W3000																					
Compressor No.	n	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	
Circuit No.	n	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	
Capacity Regulating		30%-100% Stepless										15%-100% Stepless											
HFC-134a Charged	kg	80	80	85	90	90	100	105	135	140	155	165	200	200	220	235	265	280	310	320	330	340	360
Lubrication Oil	kg	16	16	16	17	19	23	26	28	28	30	30	46	49	52	54	56	56	58	60	60	60	60
Operating Weight	kg	1840	1930	2055	2105	2205	2645	2770	3160	3350	4095	4190	5260	5400	5540	5750	6500	7045	7450	7935	8430	8590	8875
Dimension																							
Length	mm	2940	2940	2940	2940	2940	2950	2950	2950	2950	3000	3000	3350	3350	3350	3350	3440	3540	3540	3540	3540	3540	3940
Width	mm	1120	1120	1120	1120	1120	1120	1120	1220	1220	1280	1280	1960	1960	1960	1960	2070	2130	2130	2130	2150	2150	2150
Height	mm	2030	2030	2030	2030	2030	2155	2155	2320	2320	2410	2410	2200	2200	2200	2200	2320	2370	2430	2430	2410	2410	2410

Remarks:

1. Cooling condition: Evaporator water inlet/outlet temp. 12.2/6.7 C , Condenser water inlet/outlet temp. 29.4/34.6 C
2. Standard water side pressure of evaporator and condenser is 1.0MPa, 1.6MPa and 2.0MPa is optional
4. Special application, such as river, sea water, please contact Climaveneta office for detail

General Technical Data(Large Capacity Fixed Speed Unit)

FOCSWATER(-P0)		6004	7004	8004	8204	9024	10024
Cooling Performance							
Cooling capacity	kW	2132.0	2444.0	2774.0	2910.0	3054.0	3390.0
Power input	kW	372.0	416.0	472.0	496.0	520.0	578.0
Evap. water flow	m ³ /h	366.5	420.5	477.4	500.4	525.6	583.2
Evap. water pressure drop	kPa	59.3	59.4	58.3	54.3	59.4	60.6
Cond. water flow	m ³ /h	457.9	525.6	596.2	625.7	656.6	727.2
Cond. water pressure drop	kPa	70.7	74.4	69.7	65.3	72.0	71.5
Microprocessor							
Compressor No.	n	4	4	4	4	4	4
Circuit No.	n	4	4	4	4	4	4
Capacity regulating	6%-100% Stepless						
HFC134a charged	kg	500	560	592	624	618	720
Oil	kg	120	120	120	124	124	128
Unit weight	kg	12290	13220	13560	14600	14720	15180
Operation weight	kg	13410	14380	14840	16020	16140	16076
Dimension							
Length	mm	4900	4950	4950	4990	4990	5840
Width	mm	2660	2660	2660	2760	2760	2770
Height	mm	2260	2260	2280	2420	2420	2420

Remarks:

1. Cooling model: Chilled water (in/out)=-7°C , unit water flow 0.172m³/(h·kW); Condenser water (in/out)=30/-°C , unit water flow 0.215m³/(h·kW);
2. Standard water side pressure of evaporator and condenser is 1.0MPa. 1.6MPa or 2.0MPa is optional;
3. If the condenser directly takes use of river water or seawater, please consult with CLIMAVENETA engineer.

HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

General Technical Data(Large Capacity Fixed Speed Unit)

FOCSWATER(-P0)		6004	7004	8004	8204	9024	10024
Cooling Performance							
Cooling capacity	kW	2104.0	2412.0	2740.0	2874.0	3016.0	3348.0
Power input	kW	373.6	418.6	475.4	498.6	523.2	581.2
Evap. water flow	m ³ /h	329.4	377.6	428.8	449.6	472.0	524.0
Evap. water pressure drop	kPa	49.4	49.4	48.2	45.2	49.8	50.8
Cond. water flow	m ³ /h	409.0	467.2	530.6	556.4	584.0	648.6
Cond. water pressure drop	kPa	57.9	60.8	56.2	53.5	60.7	57.3
Microprocessor							
Compressor No.	n	4	4	4	4	4	4
Circuit No.	n	4	4	4	4	4	4
Capacity regulating	6%-100% Stepless						
HFC134a charged	kg	500	560	592	624	618	720
Oil	kg	120	120	120	124	124	128
Unit weight	kg	12290	13220	13560	14600	14720	15180
Operation weight	kg	13410	14380	14840	16020	16140	16076
Dimension							
Length	mm	4900	4950	4950	4990	4990	5840
Width	mm	2660	2660	2660	2760	2760	2770
Height	mm	2260	2260	2280	2420	2420	2420

Remarks:

1. Cooling condition: Evaporator water inlet/outlet temp. 12.2/6.7°C , Condenser water inlet/outlet temp. 29.4/34.6°C
2. Standard water side pressure of evaporator and condenser is 1.0MPa, 1.6MPa and 2.0MPa is optional
3. Special application, such as river, sea water, please contact Climaveneta office for detail

Chillers with Total Heat Recovery

While in the refrigeration unit to a lot of condensation heat as waste heat released into the atmosphere, Climaveneta with total heat recovery technology, 100% recycling of waste heat from refrigeration, heating domestic hot water, low-cost or even free for the user save a lot of hot water running costs. Heat recovery unit built-in independent circuits, independent heating hot water.

General Technical Data of Total Heat Recovery

FOCSWATER-R	0951	1101	1301	1501	1651	1901	2151	2351	1902	2152	2602	3002	3402	3902	4302	4702
Cooling Performance																
Cooling capacity	kW	336	383	454	526	593	687	749	821	671	765	907	1051	1186	1375	1643
Power input	kW	63.2	72.1	84.1	95.8	109	124	143	153	127	144	168	192	218	249	306
EVAP water flow	m ³ /h	57.7	65.8	78.0	90.4	101.9	118.2	128.8	141.2	115.4	131.6	156.1	180.8	203.9	236.4	282.5
EVAP water pressure drop	kPa	47.2	48.4	46.1	47.1	50.9	49.5	51	47.9	46.8	49.9	47	50.4	48.7	49.8	49.5
Cond water flow	m ³ /h	73.6	83.9	99.3	114.8	129.6	149.9	157.4	179.9	147.3	167.9	198.6	229.5	259.2	299.8	359.8
Cond water pressure drop	kPa	62.5	66.8	58.8	61.7	62.5	61.2	57.5	60.9	59	53	58.8	61.7	62.5	61.2	57.5
Cooling + Heat Recovery Performance																
Cooling capacity	kW	299	341	403	471	532	617	673	737	597	681	807	942	1065	1235	1457
Power input	kW	75.9	86.6	101	114	131	150	170	184	152	173	201	227	262	299	380
Heat recovery capacity	kW	370	422	498	578	656	758	833	910	740	844	996	1155	1311	1516	1814
Heat recovery water flow	m ³ /h	64.3	73.3	86.5	100.4	113.9	131.8	144.7	158.1	128.5	146.5	173.2	200.8	227.9	263.5	315.2
Hot water pressure drop	kPa	47.7	51.0	44.6	47.2	48.3	47.2	48.6	47	45	40.4	44.6	47.2	48.3	47.2	48.6
Microprocessor		W3000														
Compressor No.	n	1							2							
Circuit No.	n	1							2							
Capacity regulating	n	25%-100% Stepless							12.5%-100% Stepless							
R134a charged	kg	99	113	137	156	176	200	216	239	198	225	272	311	352	400	478
Oil Charged	kg	19	19	35	35	35	35	38	38	38	38	70	70	70	70	76
Unit weight	kg	2600	2650	3550	3650	4000	4250	4550	4750	5250	5550	7050	7250	8150	8400	9350
Operation weight	kg	2750	2850	3850	4000	4400	4650	5000	5250	5900	6300	7700	7950	8950	9350	10500
Dimension																
Length	mm	3050	3050	4500	4500	4530	4530	4530	4530	4550	4550	4600	4600	4600	4600	4770
Width	mm	1200	1200	1230	1230	1230	1240	1260	1340	1280	1330	1520	1520	1550	1550	1770
Height	mm	1950	1950	2070	2070	2120	2200	2250	2300	2250	2270	2320	2320	2420	2420	2500

Remarks:

1. Cooling model: Chilled water (in/out)=-7°C , unit water flow 0.172m³/(h·kW); Condenser water (in/out)=30/-°C , unit water flow 0.215m³/(h·kW);
2. Heat recovery condition: chilled water outlet 7°C , hot water (in/out) 40/45°C ; Condenser water flow is equal to cooling condition;
3. Please contact CLIMAVENETA office for detail.

HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

FOCSWATER-R	0951	1101	1301	1501	1651	1901	2151	2351	1902	2152	2602	3002	3402	3902	4302	4702
Cooling Performance																
Cooling capacity	kW	332.0	378.5	448.9	519.9	586.5	680.1	663.9	742.8	757.0	812.2	897.7	1040.0	1173.0	1360.0	1486.0
Power input	kW	63.0	71.8	83.8	95.5	108.5	123.9	126.1	141.9	143.6	152.6	167.7	190.8	216.9	247.7	284.1
EVAP water flow	m ³ /h	52.0	59.2	70.3	81.4	91.8	106.4	103.9	116.2	118.5	127.1	140.5	162.7	183.6	212.9	232.5
EVAP water pressure drop	kPa	38.2	39.2	37.4	38.1	41.3	40.1	37.9	41.5	40.4	38.8	38.1	40.8	39.4	40.3	40.1
Cond water flow	m ³ /h	65.1	74.3	87.9	101.5	114.6	132.6	130.3	145.9	148.5	159.1	175.7	203.0	229.3	265.2	291.9
Cond water pressure drop	kPa	48.9	52.3	46.0	48.2	48.9	47.9	46.2	49.4	41.5	47.6	46.0	48.2	48.9	47.8	49.4
Cooling + Heat Recovery Performance																
Cooling capacity	kW	295.3	336.6	398.7	465.4	526.3	610.3	590.4	665.1	673.3	728.1	797.4	930.6	1053.0	1221.0	1330.0
Power input	kW	75.7	86.4	100.4	113.4	130.8	149.4	151.6	169.5	172.7	183.4	200.9	226.8	261.6	298.7	339.3
Heat recovery capacity	kW	366.5	417.8	493.1	572.0	649.2	750.8	732.9	824.5	835.7	900.6	986.2	1144.0	1298.0	1501.0	1649.0
Heat recovery water flow	m ³ /h	63.7	72.6	85.7	99.4	112.8	130.5	127.4	143.3	145.2	156.5	171.4	198.8	225.6	260.9	286.6
Hot water pressure drop	kPa	46.7	50.0	43.8	46.2	47.3	46.3	44.1	47.6	39.6	46.0	43.8	46.2	47.3	46.3	47.6
Microprocessor		W3000														
Compressor No.	n	1							2							
Circuit No.	n	1							2							
Capacity regulating	n	25%-100% Stepless							12.5%-100% Stepless							
R134a charged	kg	99	113	137	156	176	200	216	239	198	225	272	311	352	400	433
Oil Charged	kg	19	19	35	35	35	35	38	38	38	38	70	70	70	70	76
Unit weight	kg	2600	2650	3550	3650	4000	4250	4550	4750	5250	5550	7050	7250	8150	8400	9350
Operation weight	kg	2750	2850	3850	4000	4400	4650	5000	5250	5900	6300	7700	7950	8950	9350	10200
Dimension																
Length	mm	3050	3050	4500	4500	4530	4530	4530	4530	4550	4550	4600	4600	4600	4600	4770
Width	mm	1200	1200	1230	1230	1230	1240	1260	1340	1280	1330	1520	1520	1550	1550	1770
Height	mm	1950	1950	2070	2070	2120	2200	2250	2300	2250	2270	2320	2320	2420	2420	2500

Remarks:

1. Cooling condition: Evaporator water inlet/outlet temp. 12.2/6.7°C , Condenser water inlet/outlet temp. 29.4/34.6°C
2. Heat recovery condition: Evaporator water inlet/outlet temp. 12.2/6.7°C , hot water (in/out) 40/45°C ;
3. For other more specific details, please consult CLIMAVENETA.

Electrical Data(Fixed Speed Unit)

FOCSWATER.E	Single Compressor			Unit		
	F.L.I	F.L.A	L.R.A.	F.L.I	F.L.A	S.A.
0601	56.3	96.1	155.0	56.3	96.1	155.0
0751	65.7	114.1	200.0	65.7	114.1	200.0
0851	78.7	133.8	232.0	78.7	133.8	232.0
1001	87.4	148.1	262.0	87.4	148.1	262.0
1101	98.8	168.0	320.0	98.8	168.0	320.0
1301	115.3	198.4	285.0	115.3	198.4	285.0
1451	128.9	220.1	340.0	128.9	220.1	340.0
1701	151.7	256.4	427.0	151.7	256.4	427.0
1951	165.8	281.4	483.0	165.8	281.4	483.0
2201	192.6	328.9	518.0	192.6	328.9	518.0
2451	212.0	361.9	560.0	212.0	361.9	560.0
2602	115.3	198.4	285.0	230.6	396.8	408.9
2752	115.3/128.9	198.4/220.1	285.0/340.0	244.2	418.5	463.9
2902	128.9	220.1	340.0	257.8	440.2	474.0
3152	128.9/151.7	220.1/256.4	340.0/427.0	280.6	476.5	561.0
3502	151.7	256.4	427.0	303.4	512.8	589.0
3702	151.7/165.8	256.4/281.4	427.0/483.0	317.5	537.8	645.0
3952	165.8	281.4	483.0	331.6	562.8	658.9
4202	165.8/192.6	281.4/328.9	483.0/518.0	358.6	610.3	693.9
4452	192.6	328.9	518.0	385.2	657.8	718.2
4702	192.6/212.0	328.9/361.9	518.0/560.0	404.6	690.8	760.2
4952	212.0	361.9	560.0	424.0	723.8	780.3

Remarks:

1. Electrical power input: 380V/3P+N/50Hz; Maximum voltage unbalance: 3%
2. Safety allowance should be considered when cabling the unit for power supply and line-protections
3. F.L.I. Max. Power Input L.R.A. Locked Rotor Current F.L.A. Max. Running Current S.A. Starting Current

HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

Electrical Data(Fixed Speed Unit)

FOCSWATER.E-P0	Single Compressor			Unit		
	F.L.I	F.L.A	L.R.A.	F.L.I	F.L.A	S.A.
0601	56.3	91.3	162.0	56.3	91.3	162.0
0751	65.7	108.4	208.0	65.7	108.4	208.0
0851	78.7	127.1	243.0	78.7	127.1	243.0
1001	87.4	140.7	275.0	87.4	140.7	275.0
1101	98.8	159.6	337.0	98.8	159.6	337.0
1301	115.3	188.5	300.0	115.3	188.5	300.0
1451	128.9	209.1	358.0	128.9	209.1	358.0
1701	151.7	243.6	448.0	151.7	243.6	448.0
1951	165.8	267.3	508.0	165.8	267.3	508.0
2201	192.6	312.5	547.0	192.6	312.5	547.0
2451	212.0	343.8	590.0	212.0	343.8	590.0
2602	115.3	188.5	300.0	230.6	377	417.7
2752	115.3/128.9	188.5/209.1	300/358	244.2	397.6	475.7
2902	128.9	209.1	358.0	257.8	418.2	485.3
3152	128.9/151.7	209.1/243.6	358/448	280.6	452.7	575.3
3502	151.7	243.6	448.0	303.4	487.2	601.9
3702	151.7/165.8	243.6/267.3	448/508	317.5	510.9	661.9
3952	165.8	267.3	508.0	331.6	534.6	675.1
4202	165.8/192.6	267.3/312.5	508/547	358.6	579.8	714.1
4452	192.6	312.5	547.0	385.2	625	737.2
4702	192.6/212	312.5/343.8	547/590	404.6	656.3	780.2
4952	212.0	343.8	590.0	424	687.6	799.3

Remarks:

1. Electrical power input: 400V/3P+N/50Hz; Maximum voltage unbalance: 3%
2. Safety allowance should be considered when cabling the unit for power supply and line-protections
3. F.L.I. Max. Power Input L.R.A. Locked Rotor Current F.L.A. Max. Running Current S.A. Starting Current

Electric Data(Inverter Unit)

FOCSWATER.E-INV (-P3)	Single Compressor			Unit		
	F.L.I	F.L.A	L.R.A.	F.L.I	F.L.A	S.A.
0601	56.3	96.1	155.0	56.3	96.1	48.1
0751	65.7	114.1	200.0	65.7	114.1	57.1
0851	78.7	133.8	232.0	78.7	133.8	66.9
1001	87.4	148.1	262.0	87.4	148.1	74.1
1101	98.8	168.0	320.0	98.8	168.0	84.0
1301	115.3	198.4	285.0	115.3	198.4	99.2
1451	128.9	220.1	340.0	128.9	220.1	110.1
1701	151.7	256.4	427.0	151.7	256.4	128.2
1951	165.8	281.4	483.0	165.8	281.4	140.7
2201	192.6	328.9	518.0	192.6	328.9	164.5
2451	212.0	361.9	560.0	212.0	361.9	181.0
2602	115.3	198.4	285.0	230.6	396.8	178.6
2752	115.3/128.9	198.4/220.1	285/340	244.2	418.5	187.2
2902	128.9	220.1	340.0	257.8	440.2	198.1
3152	128.9/151.7	220.1/256.4	340/427	280.6	476.5	212.6
3502	151.7	256.4	427.0	303.4	512.8	230.8
3702	151.7/165.8	256.4/281.4	427/483	317.5	537.8	243.3
3952	165.8	281.4	483.0	331.6	562.8	253.3
4202	165.8/192.6	281.4/328.9	483/518	358.6	610.3	272.3
4452	192.6	328.9	518.0	385.2	657.8	296.0
4702	192.6/212	328.9/361.9	518/560	404.6	690.8	309.2
4952	212.0	361.9	560.0	424	723.8	325.7

Remarks:

1. Electrical power input: 380V/3P+N/50Hz(60Hz); Maximum voltage unbalance: 3%
2. Safety allowance should be considered when cabling the unit for power supply and line-protections
3. F.L.I. Max. Power Input L.R.A. Locked Rotor Current F.L.A. Max. Running Current S.A. Starting Current

HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

Electric Data(Inverter Unit)

FOCSWATER.E -INV-P0	Single Compressor			Unit		
	F.L.I	F.L.A	L.R.A.	F.L.I	F.L.A	S.A.
0601	56.3	91.3	162.0	56.3	91.3	45.7
0751	65.7	108.4	208.0	65.7	108.4	54.2
0851	78.7	127.1	243.0	78.7	127.1	63.6
1001	87.4	140.7	275.0	87.4	140.7	70.4
1101	98.8	159.6	337.0	98.8	159.6	79.8
1301	115.3	188.5	300.0	115.3	188.5	94.3
1451	128.9	209.1	358.0	128.9	209.1	104.6
1701	151.7	243.6	448.0	151.7	243.6	121.8
1951	165.8	267.3	508.0	165.8	267.3	133.7
2201	192.6	312.5	547.0	192.6	312.5	156.3
2451	212.0	343.8	590.0	212.0	343.8	171.9
2602	115.3	188.5	300.0	230.6	377	169.7
2752	115.3/128.9	188.5/209.1	300/358	244.2	397.6	177.9
2902	128.9	209.1	358.0	257.8	418.2	188.2
3152	128.9/151.7	209.1/243.6	358/448	280.6	452.7	202.0
3502	151.7	243.6	448.0	303.4	487.2	219.2
3702	151.7/165.8	243.6/267.3	448/508	317.5	510.9	231.1
3952	165.8	267.3	508.0	331.6	534.6	240.6
4202	165.8/192.6	267.3/312.5	508/547	358.6	579.8	258.7
4452	192.6	312.5	547.0	385.2	625	281.3
4702	192.6/212	312.5/343.8	547/590	404.6	656.3	293.8
4952	212.0	343.8	590.0	424	687.6	309.4

Remarks:

1. Electrical power input: 400V/3P+N/50Hz; Maximum voltage unbalance: 3%
2. Safety allowance should be considered when cabling the unit for power supply and line-protections
3. F.L.I. Max. Power Input L.R.A. Locked Rotor Current F.L.A. Max. Running Current S.A. Starting Current

Electric Data

FOCSWATER	F.L.I (kW) Full Load Power Absorption	F.L.A (A) Full Load Current	S.A (A) Starting Current
6004*	275×2	470×2	929
7004*	310×2	520×2	971
8004*	350×2	602×2	1203
8204*	371×2	636×2	1273
9024*	391×2	670×2	1445
10024*	432×2	738×2	1541

Remarks:

1. Electrical power input: 380V/3P/50Hz Maximum voltage fluctuation: 10%; Maximum voltage unbalance: 3%;
2. Safety allowance should be considered when cabling the unit for power supply and line-protections;
3. 2 set power cables for the unit with "*" mark.

FOCSWATER-P0	FLI(kW) Full Load Power Absorption	F.L.A (A) Full Load Current	S.A (A) Starting Current
6004*	275x2	447x2	864
7004*	310x2	494x2	907
8004*	350x2	572x2	1111
8204*	371x2	604x2	1210
9024*	391x2	637x2	1375
10024*	432x2	701x2	1466

Remarks:

1. Electrical power input: 400V/3P/50Hz; Maximum voltage fluctuation: 10%; Maximum voltage unbalance: 3%;
2. Safety allowance should be considered when cabling the unit for power supply and line-protections;
3. 2 set power cables for the unit with "*" mark.

Electric Data(Total Heat Recovery Unit)

FOCSWATER-R	F.L.I (kW) Full Load Power Absorption	F.L.A (A) Full Load Current	S.A (A) Starting Current
0951	112	194	330
1101	128	220	358
1301	144	246	458
1501	162	272	488
1651	188	322	615
1901	213	363	683
2151	240	408	847
2351	260	445	965
1902	225	389	458
2152	256	440	496
2602	289	492	640
3002	323	544	668
3402	376	644	824
3902	426	726	916
4302	480	816	1128
4702	520	890	1244

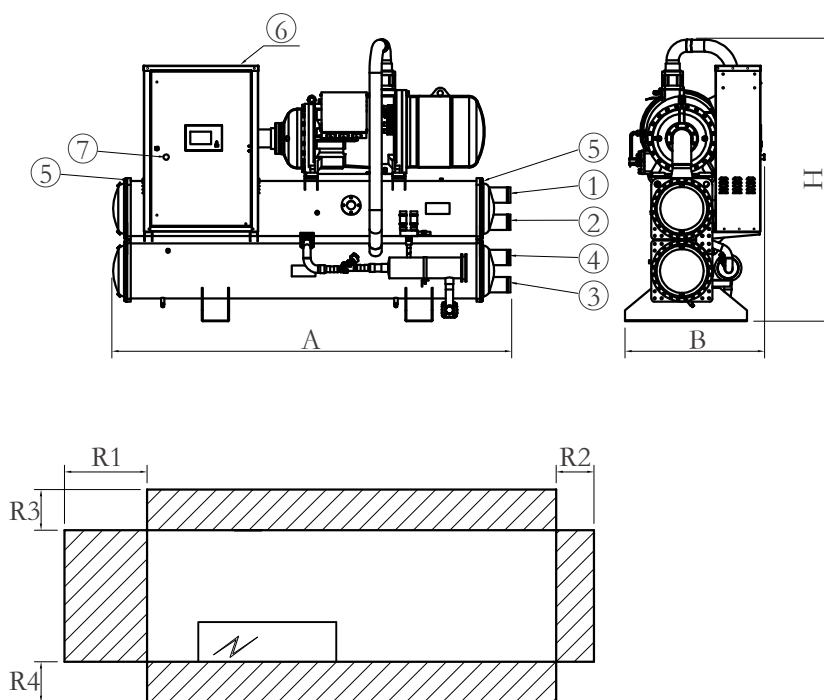
Remarks:

1. Electrical power input: 380V/3P/50Hz Maximum voltage fluctuation: 10%; Maximum voltage unbalance: 3%;
2. Safety allowance should be considered when cabling the unit for power supply and line-protections.

HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

Dimension Drawing

FOCSWATER0601~2451E(-P0)



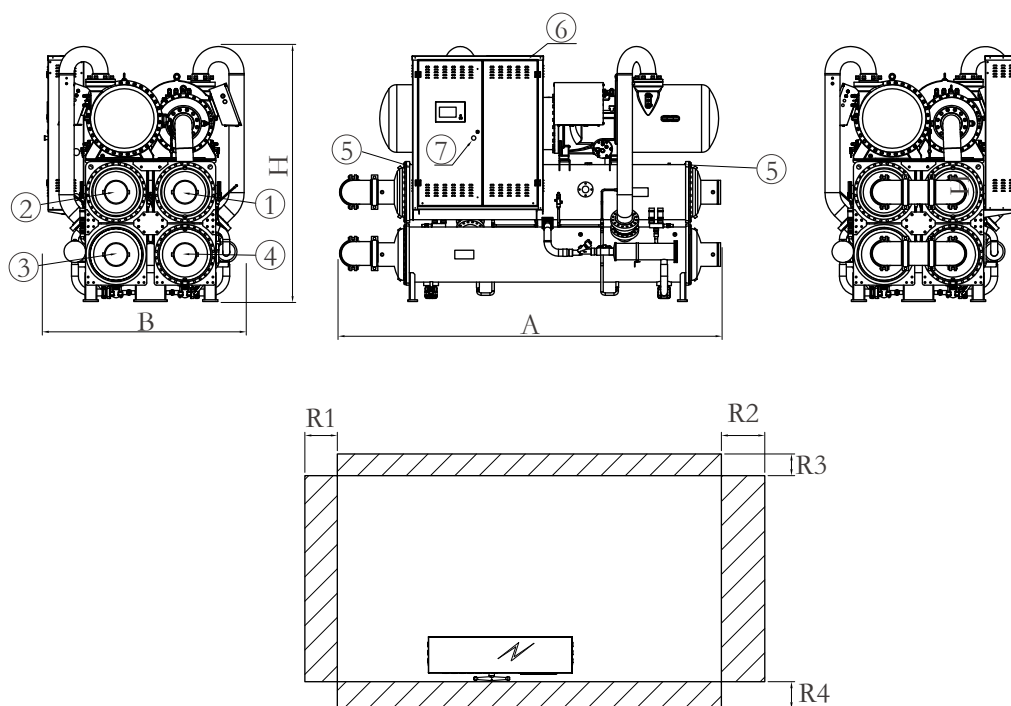
FOCSWATER.E(-P0)	Dimension			Operating Weight P./W.(kg)	Pipe Size		Clearance			
	A(mm)	B(mm)	H(mm)		①/②	③/④	R1(mm)	R2(mm)	R3(mm)	R4(mm)
0601	2940	1070	1890	1770	3"	3"	2500	1000	500	900
0751	2940	1070	1890	1860	3"	3"	2500	1000	500	900
0851	2940	1070	1890	1985	3"	3"	2500	1000	500	900
1001	2940	1070	1890	2035	3"	3"	2500	1000	500	900
1101	2940	1070	1890	2135	3"	3"	2500	1000	500	900
1301	2950	1120	2140	2575	4"	4"	2500	1000	500	900
1451	2950	1120	2140	2700	4"	4"	2500	1000	500	900
1701	2950	1200	2320	3090	5"	5"	2500	1000	500	900
1951	2950	1200	2320	3280	5"	5"	2500	1000	500	900
2201	3000	1220	2410	4025	6"	6"	2500	1000	500	900
2451	3000	1220	2410	4120	6"	6"	2500	1000	500	900

Remarks:

- ①Evaporator water inlet ③Condensers water inlet ⑤Lifting points ⑦Main isolator
②Evaporator water outlet ④Condensers water outlet ⑥Power inlet
- Shadows are the maintenance clearance and pipe connector area.(If pipe connector direction need to be exchange to the opposite side, please consult local CLIMAVENETA office);
- Please contact CLIMAVENETA office for detail drawings.

Dimension Drawing

FOCSWATER2602 ~ 4952E(-P0)



FOCSWATER.E(-P0)	Dimension			Operating Weight P./W.(kg)	Pipe Size		Clearance			
	A(mm)	B(mm)	H(mm)		①/②	③/④	R1(mm)	R2(mm)	R3(mm)	R4(mm)
2602	3350	1730	2200	5110	6"	6"	2500	1000	500	900
2752	3350	1730	2200	5250	6"	6"	2500	1000	500	900
2902	3350	1770	2200	5390	6"	6"	2500	1000	500	900
3152	3350	1770	2200	5600	6"	6"	2500	1000	500	900
3502	3440	1850	2320	6350	8"	8"	2500	1000	500	900
3702	3540	1890	2370	6895	8"	8"	2500	1000	500	900
3952	3540	1950	2430	7300	8"	8"	2500	1000	500	900
4202	3540	1950	2430	7785	8"	8"	2500	1000	500	900
4452	3540	1970	2410	8280	8"	8"	2500	1000	500	900
4702	3540	1970	2410	8440	8"	8"	2500	1000	500	900
4952	3940	1970	2410	8725	8"	8"	2900	1000	500	900

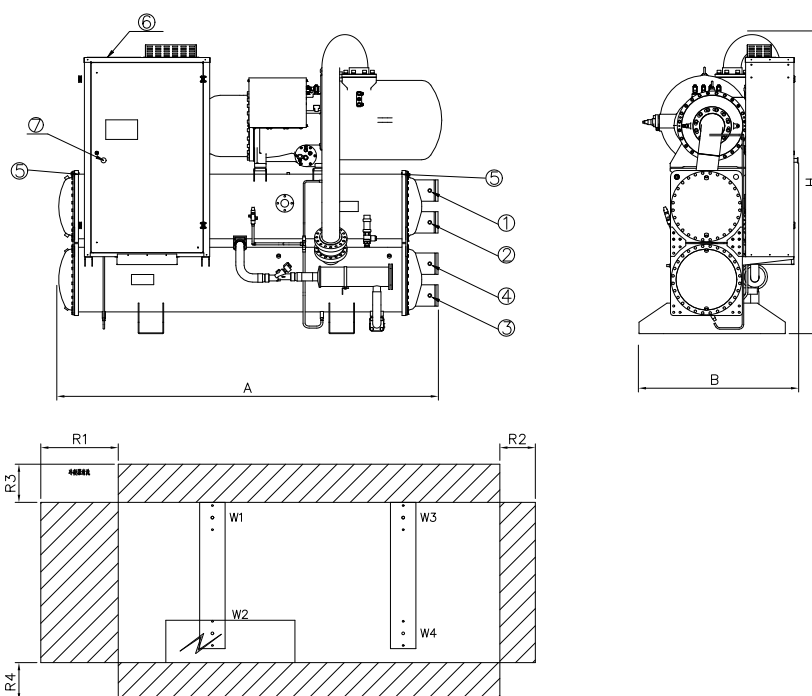
Remarks:

- ①Evaporator water inlet ③Condensers water inlet ⑤Lifting points ⑦Main isolator
②Evaporator water outlet ④Condensers water outlet ⑥Power inlet
- Shadows are the maintenance clearance and pipe connector area.(If pipe connector direction need to be exchange to the opposite side, please consult local CLIMAVENETA office);
- Please contact CLIMAVENETA office for detail drawings.

HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

Dimension Drawing

FOCSWATER0601~2451E-INV(-P0/-P3)



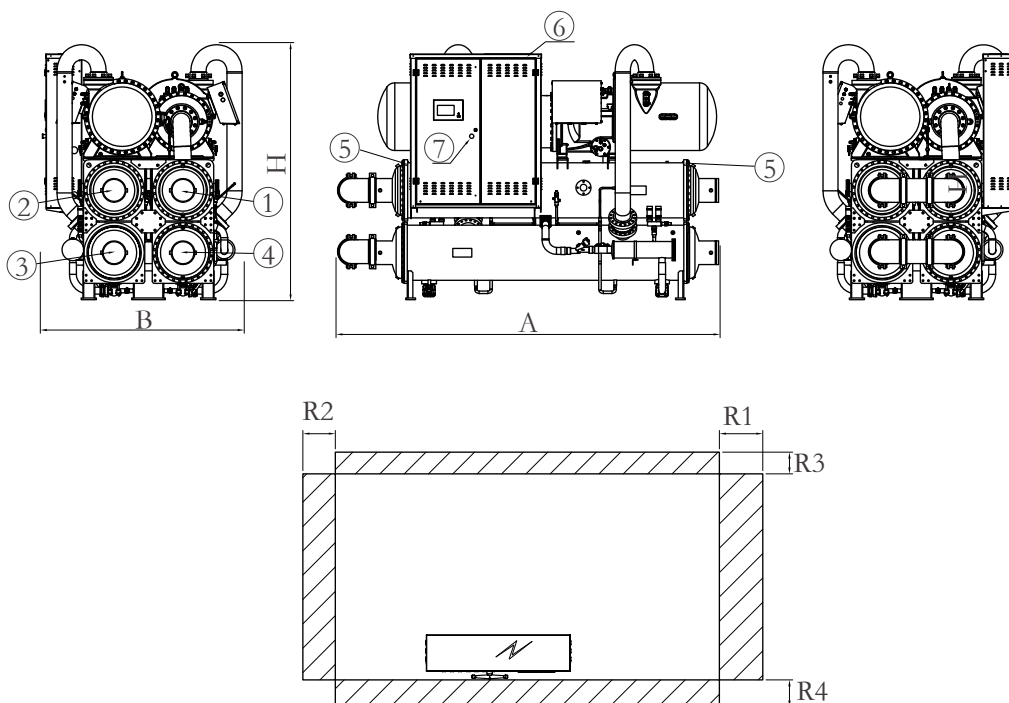
FOCSWATER.E-INV (-P0/-P3)	Dimension			Operating Weight P./W.(kg)	Pipe Size		Clearance			
	A(mm)	B(mm)	H(mm)		①/②	③/④	R1(mm)	R2(mm)	R3(mm)	R4(mm)
0601	2940	1120	2030	1840	3"	3"	2500	1000	500	900
0751	2940	1120	2030	1930	3"	3"	2500	1000	500	900
0851	2940	1120	2030	2055	3"	3"	2500	1000	500	900
1001	2940	1120	2030	2105	3"	3"	2500	1000	500	900
1101	2940	1120	2030	2205	3"	3"	2500	1000	500	900
1301	2950	1120	2155	2645	4"	4"	2500	1000	500	900
1451	2950	1120	2155	2770	4"	4"	2500	1000	500	900
1701	2950	1220	2320	3160	5"	5"	2500	1000	500	900
1951	2950	1220	2320	3350	5"	5"	2500	1000	500	900
2201	3000	1280	2410	4095	6"	6"	2500	1000	500	900
2451	3000	1280	2410	4190	6"	6"	2500	1000	500	900

Remarks:

- ①Evaporator water inlet ③Condensers water inlet ⑤Lifting points ⑦Main isolator
②Evaporator water outlet ④Condensers water outlet ⑥Power inlet
- Shadows are the maintenance clearance and pipe connector area. (If pipe connector direction need to be exchange to the opposite side, please consult local CLIMAVENETA office);
- Please contact CLIMAVENETA office for detail drawings.

Dimension Drawing

FOCSWATER2602~4952E-INV(-P0/-P3)



FOCSWATER.E-INV (-P0/-P3)	Dimension			Operating Weight P./W.(kg)	Pipe Size		Clearance			
	A(mm)	B(mm)	H(mm)		①/②	③/④	R1(mm)	R2(mm)	R3(mm)	R4(mm)
2602	3350	1960	2200	5260	6"	6"	2500	1000	500	900
2752	3350	1960	2200	5400	6"	6"	2500	1000	500	900
2902	3350	1960	2200	5540	6"	6"	2500	1000	500	900
3152	3350	1960	2200	5750	6"	6"	2500	1000	500	900
3502	3440	2070	2320	6500	8"	8"	2500	1000	500	900
3702	3540	2130	2370	7045	8"	8"	2500	1000	500	900
3952	3540	2130	2430	7450	8"	8"	2500	1000	500	900
4202	3540	2130	2430	7935	8"	8"	2500	1000	500	900
4452	3540	2150	2410	8430	8"	8"	2500	1000	500	900
4702	3540	2150	2410	8590	8"	8"	2500	1000	500	900
4952	3940	2150	2410	8875	8"	8"	2900	1000	500	900

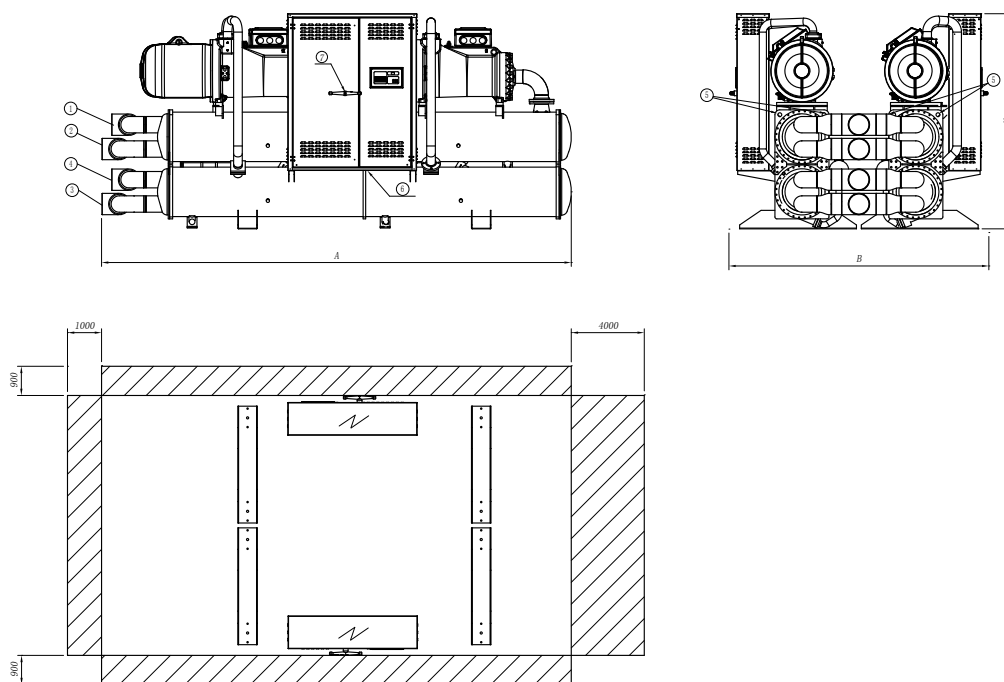
Remarks:

- ①Evaporator water inlet ③Condensers water inlet ⑤Lifting points ⑦Main isolator
②Evaporator water outlet ④Condensers water outlet ⑥Power inlet
- Shadows are the maintenance clearance and pipe connector area.(If pipe connector direction need to be exchange to the opposite side, please consult local CLIMAVENETA office);
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HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

Dimension Drawing

FOCSWATER6004 ~ 10024(-P0)



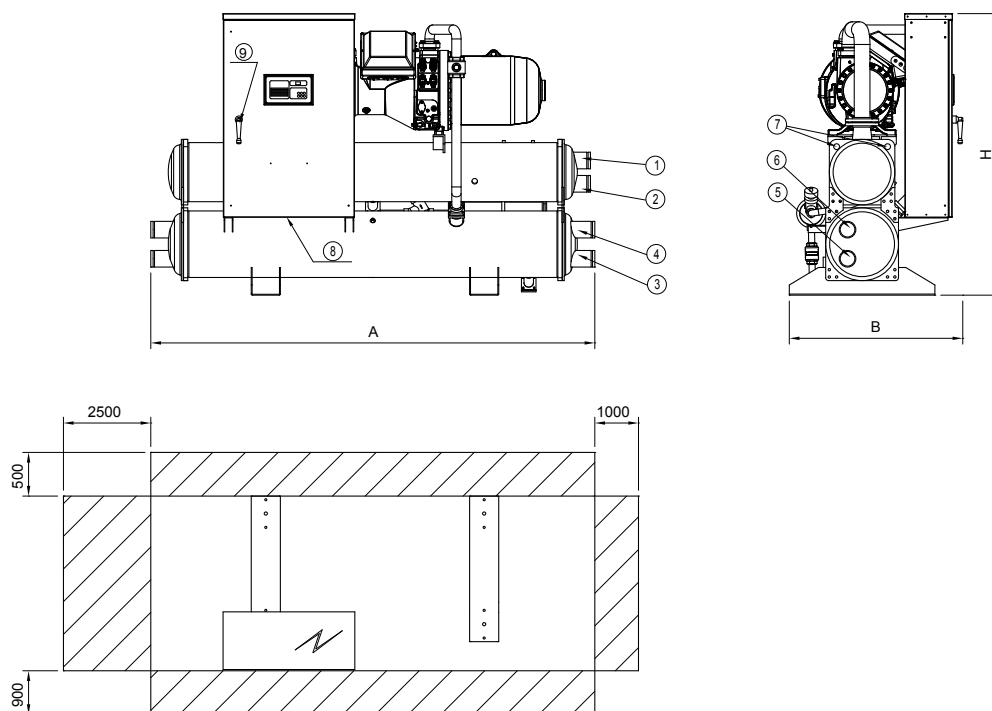
FOCSWATER(-P0)	Dimension			Unit Weight	Pipe Size	
	A(mm)	B(mm)	H(mm)	Lifting Weight(Kg)	①/②	⑤/⑥
6004	4900	2660	2255	12290	8"	8"
7004	4950	2660	2260	13220	10"	10"
8004	4950	2660	2280	13560	10"	10"
8204	4990	2760	2420	14600	10"	10"
9024	4990	2760	2420	14720	10"	10"
10024	5840	2770	2420	15180	10"	10"

Remarks:

- ①Evaporator water inlet ③Condensers water inlet ⑤Lifting points ⑦Main isolator
②Evaporator water outlet ④Condensers water outlet ⑥Power inlet
- Shadows are the maintenance clearance and pipe connector area.(If pipe connector direction need to be exchange to the opposite side, please consult local CLIMAVENETA office);
- Please contact CLIMAVENETA office for detail drawings.

Dimension Drawing

FOCSWATER0951 ~ 2351-R



Model	Dimension			Unit Weight Lifting Weight(Kg)	Pipe Size		
	A(mm)	B(mm)	H(mm)		①/②	③/④	⑤/⑥
0951	3050	1200	1950	2600	4"	4"	4"
1101	3050	1200	1950	2650	4"	4"	4"
1301	4500	1230	2070	3550	4"	4"	4"
1501	4500	1230	2070	3650	4"	4"	4"
1651	4530	1230	2120	4000	4"	5"	5"
1901	4530	1240	2200	4250	5"	5"	5"
2151	4530	1260	2250	4550	5"	6"	6"
2351	4530	1340	2300	4750	6"	6"	6"

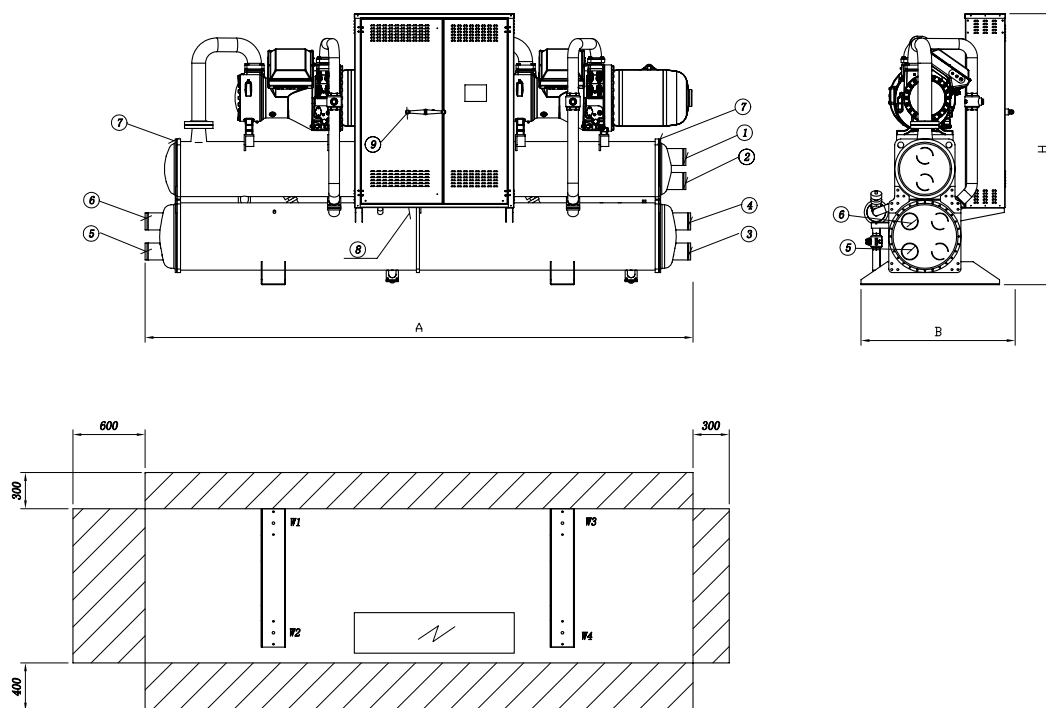
Remarks:

- ①Evaporator water inlet ③Condensers water inlet ⑤Heat-recovery water inlet ⑦Lifting points ⑨Main isolator
②Evaporator water outlet ④Condensers water outlet ⑥Heat-recovery water outlet ⑧Power inlet
- Shadows are the maintenance clearance and pipe connector area.(If pipe connector direction need to be exchange to the opposite side, please consult local CLIMAVENETA office);
- Please contact CLIMAVENETA office for detail drawings.

HIGH EFFICIENCY FLOODED WATER COOLED CHILLER With SCREW COMPRESSOR

Dimension Drawing

FOCSWATER1902~2152-R



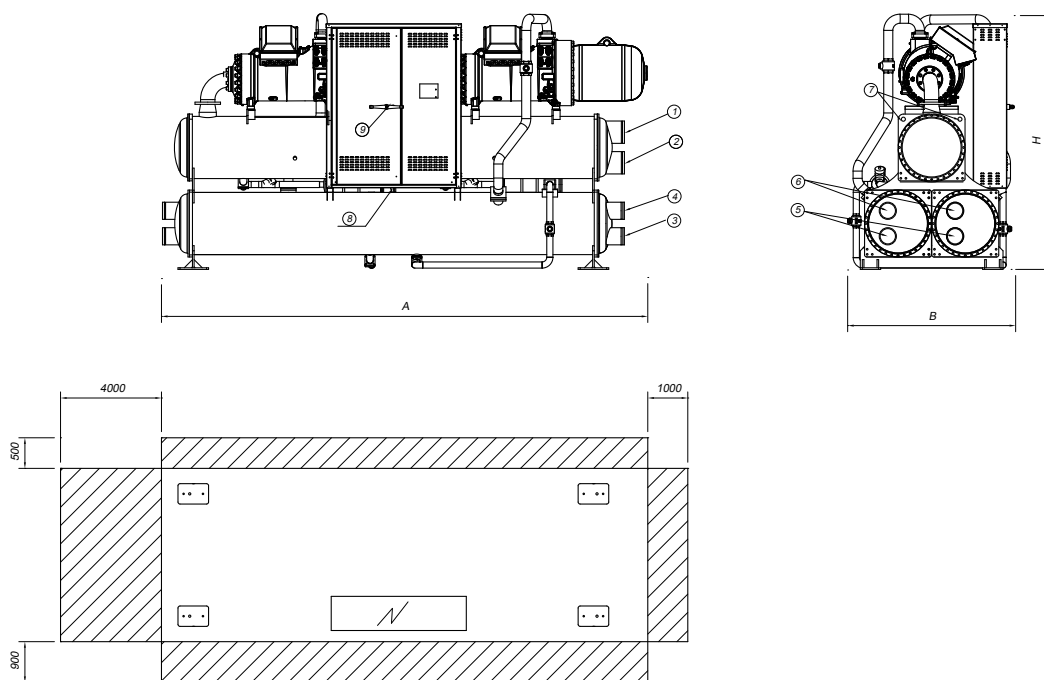
Model	Dimension			Unit Weight Lifting Weight(Kg)	Pipe Size		
	A(mm)	B(mm)	H(mm)		①/②	③/④	⑤/⑥
1902	4550	1280	2250	5250	5"	5"	5"
2152	4550	1330	2270	5550	5"	5"	5"

Remarks:

- ①Evaporator water inlet ③Condensers water inlet ⑤Heat-recovery water inlet ⑦Lifting points ⑨Main isolator
②Evaporator water outlet ④Condensers water outlet ⑥Heat-recovery water outlet ⑧Power inlet
- Shadows are the maintenance clearance and pipe connector area.(If pipe connector direction need to be exchange to the opposite side, please consult local CLIMAVENETA office);
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Dimension Drawing

FOCSWATER2602 ~ 4702-R



Model	Dimension			Unit Weight Lifting Weight(Kg)	Pipe Size		
	A(mm)	B(mm)	H(mm)		①/②	③/④	⑤/⑥
2602	4660	1520	2320	7050	6"	4"	4"
3002	4600	1520	2320	7250	6"	4"	4"
3402	4600	1550	2420	8150	6"	5"	5"
3902	4600	1550	2420	8400	6"	5"	5"
4302	4770	1770	2500	9100	8"	6"	6"
4702	4770	1770	2500	9350	8"	6"	6"

Remarks:

- ①Evaporator water inlet ③Condensers water inlet ⑤Heat-recovery water inlet ⑦Lifting points ⑨Main isolator
②Evaporator water outlet ④Condensers water outlet ⑥Heat-recovery water outlet ⑧Power inlet
- Shadows are the maintenance clearance and pipe connector area.(If pipe connector direction need to be exchange to the opposite side, please consult local CLIMAVENETA office);
- Please contact CLIMAVENETA office for detail drawings.



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