



Shenzhen FND Air & Water Technology Development Co., Ltd

Factory Model :KC-500SB



Products are always being updated. Actual appearance may vary in detail and subject to FND final design.

#### **Product main technical parameters**

Water temperature: Ambient water

Water production capacity: 500L/D (standard test temperature 30°C / humidity 80%)

Please be noted: The daily water production capacity depend on the local relative humidity and temperature condition, the more higher will produce water more efficiency. For the specific please refer to the water production curve

Water tank: SST 120L collection tank (customized option)

Power source: 240V/1P/50Hz ( 120V/60HZ or 380V/3P/50HZ, customized option)

Refrigeration method: 2\* the compressor refrigeration / R410A

Heat exchanger: copper and aluminium fins

Air filter: Nylon mesh

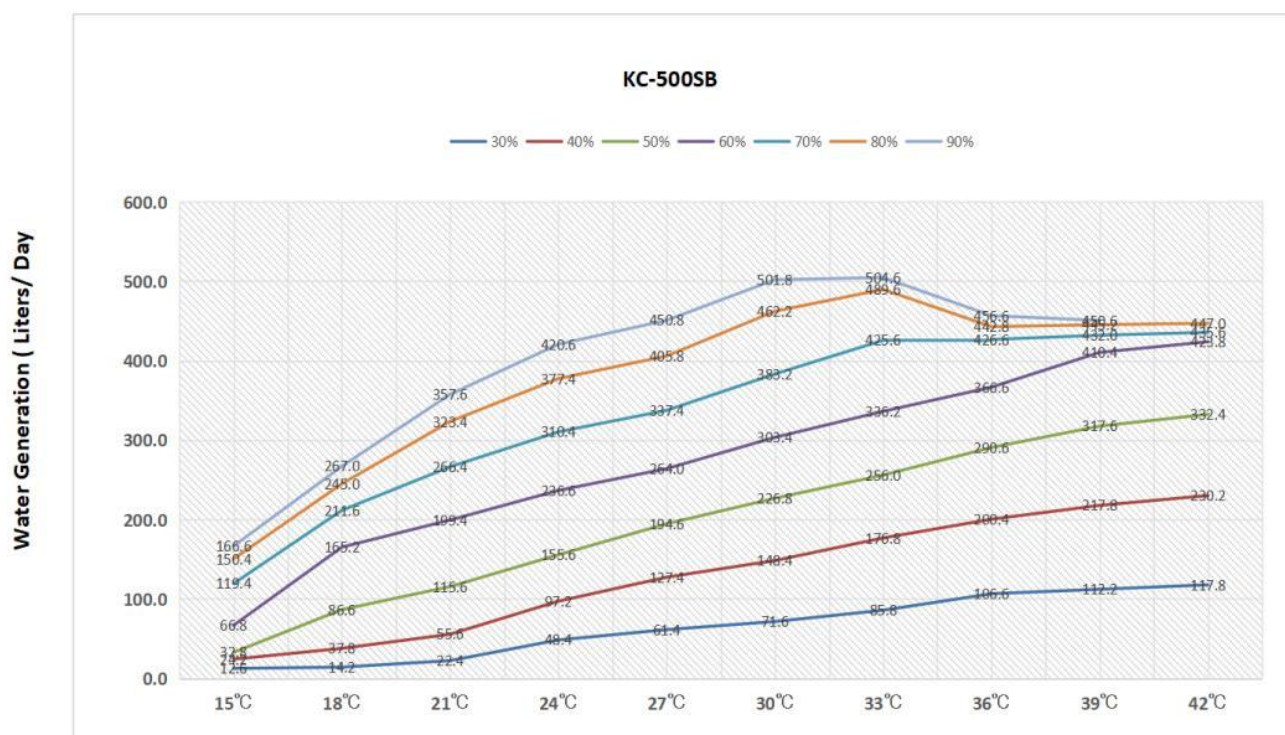
Air Outlet: Air outlet from the top, air inlet from both sides

Water purification: Ultra-filtration system ( Revers Osmosis system, customized option)



## Water Production Curve

Amount (L/day)		Temperature									
		15℃	18℃	21℃	24℃	27℃	30℃	33℃	36℃	39℃	42℃
Humidity	30%	12.6	14.2	22.4	48.4	61.4	71.6	85.8	106.6	112.2	117.8
	40%	24.2	37.8	55.6	97.2	127.4	148.4	176.8	200.4	217.8	230.2
	50%	32.8	86.6	115.6	155.6	194.6	226.8	256.0	290.6	317.6	332.4
	60%	66.8	165.2	199.4	236.6	264.0	303.4	336.2	366.6	410.4	423.8
	70%	119.4	211.6	266.4	310.4	337.4	383.2	425.6	426.6	432.0	435.6
	80%	150.4	245.0	323.4	377.4	405.8	462.2	489.6	442.8	445.2	447.0
	90%	166.6	267.0	357.6	420.6	450.8	501.8	504.6	456.6	450.6	-



## Operation environmental parameters

Operating ambient temperature: 15℃-43℃

Working environment humidity: >25%

Standard test environment temperature and humidity: 30℃、80%

Standard environment test water production: 500L/day

Equipment storage environment temperature: -10℃~60℃

Equipment storage environment humidity: 5~90%

Climate type: ST, N, SN

Waterproof rating: IPX4

Placing environment: 100 square meters or more ventilation environment.



### Functional Parameters

Factory Model :KC-500SB

Water temperature: Ambient water ( cold/ hot water, customized options)

Color: Grey corrugated powder (sheet metal spraying)

Display : internal LED + 7" TFT

Internet : IOT function (WIFI mode)

Water tank: 120L collection tank ( customized options)

Water level control (automatic water pumping): Yes

Serialization: UV lamp

Water Filtration: Ultra-filtration ( ( Revers Osmosis system, customized options)

Tank drainage: Manual drainage

Water tank receiver : 6' imperial male teeth

Electrical control box: Yes

Status Indicator: Yes

Operating light :Yes

Emergency stop light :Yes

Note: If Temperature and humidity are beyond standard conditions need customize.

### Electrical parameters

Rated voltage: AC240 ( 120, 380, customized options)

Input voltage phase Single phase ( 3 phases, customized options)

Rated frequency 50Hz (60HZ, customized options)

Rated water production power: 6.3KW (standard condition)

Refrigerant: R410a

Refrigerant filling quantity: 1.53KgX2

### loading capacity

Product size: 1626\*1286\*1812mm

Package size: 1700\*1350\*1880(mm)

Gross weight: 400KG, Net weight: 350Kg

Loading capacity, 20GP: 4 units , 40GP/40HQ: 8 units

### Physical Photos:



Shenzhen FND Air & Water Technology Development Co., Ltd



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