



ATMOSPHERIC
WATER GENERATOR

COMMERCIAL



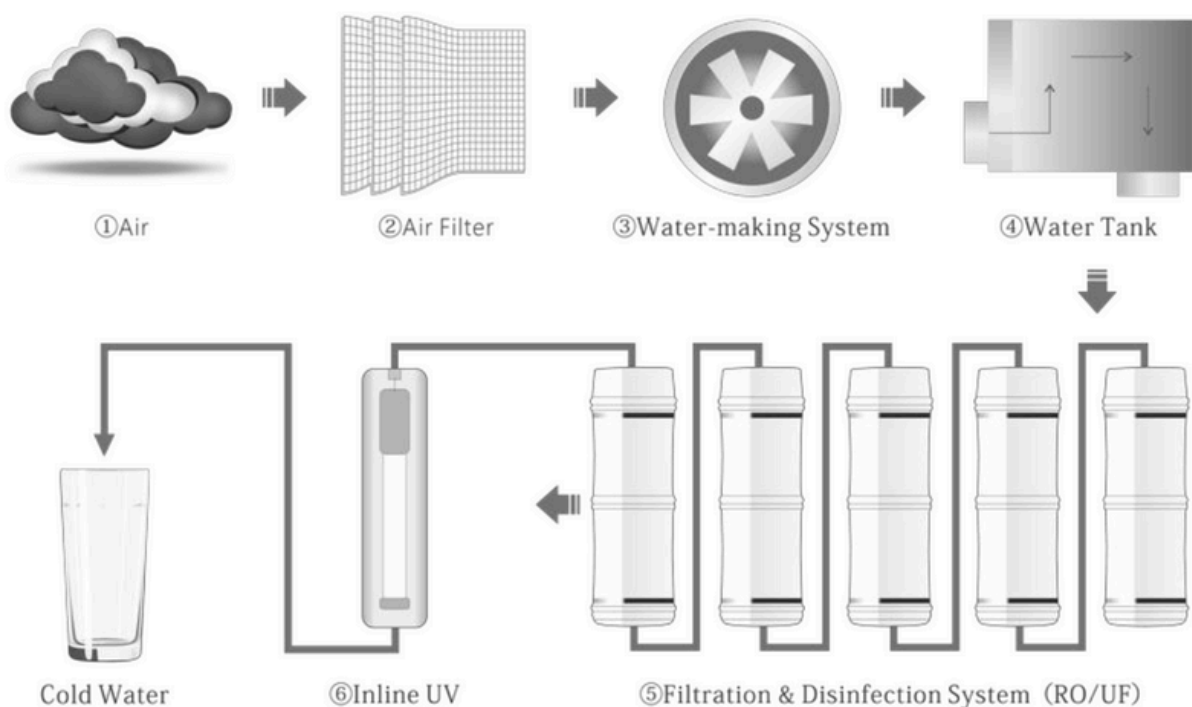
ROM ENERGY TECH

Clean energy flowing

HOW IT WORKS

Water is generated through the condensation of water vapor present in the air. Warm, humid air is drawn into the machine and passes through an air filter with patented triple-layer technology used in the aerospace industry. It is then cooled below the dew point temperature. As the air cools, condensation occurs naturally and is collected in the water tank.

During water dispensing, the water is pumped from the tank through a multi-stage filtration system and undergoes in-line UV sterilization, ensuring purification and sterilization each time water is dispensed.



MODELS

P100

(KC-100SA)



Input voltage (optional)	AC220-240V 1Ph
Input frequency (optional)	50/60Hz
Water making power	1100W
Water Capacity	100L/day
Water Production temperature	15-43°C
Water production humidity	25-95%
Internal Water Tank	70L
Disinfection	UV
Water Filtration	UF filtration system
Refrigerant	R410A
Water proof level	IPX2
Ingress Protection	IP45
Product Dimension	1000 * 480 * 825mm
Gross Weight	85KG
Net Weight	80KG

P250

(KC-250SA)



Input voltage (optional)	AC220-240V 1Ph AC220-240/380-400V 3Ph
Input frequency (optional)	50/60Hz
Water making power	3150W
Water Capacity	250L
Water Production temperature	15-43°C
Water production humidity	25-95%
Internal Water Tank	90L
Disinfection	UV
Water Filtration	UF filtration system
Refrigerant	R410A
Refrigerant volume	1.53KG
Water proof level	IPX2
Ingress Protection	IP45
Product Dimension	900*1286*1812mm
Gross Weight	250KG
Net Weight	200KG

P500

(KC-500SB)



Input voltage (optional)	AC100-127/220-240V 1Ph
	AC220-240/380-400V 3Ph
Input frequency (optional)	50/60Hz
Water making power	6300W
Water Capacity	500L
Water Production temperature	15-43℃
Water production humidity	25-95%
Internal Water Tank	120L (customized)
Disinfection	UV
Water Filtration	UF filtration system
Refrigerant	R410A
Refrigerant volume	1.53KGX2
Water proof level	IPX2
Ingress Protection	IP45
Product Dimension	1626*1286*1812mm
Gross Weight	400KG
Net Weight	350KG

P1000

(KC-1000SB)



Input voltage (optional)	AC100-127/220-240V 1Ph
	AC220-240/380-400V 3Ph
Input frequency (optional)	50/60Hz
Input power	12500W
Water Capacity	1000L
Anti electric shock level	I
Water Production temperature	15-43℃
Water production humidity	25-95%
Internal Water Tank	120L
Disinfection	UV
Water Filtration	UF filtration system
Refrigerant	R410A
Refrigerant volume	1.53KGX4
Water proof level	IPX2
Ingress Protection	IP45
Product Dimension	2356*1286*1812mm
Gross Weight	690KG
Net Weight	600KG

P2000



Input voltage (optional)	AC100-127/220-240V 1Ph
	AC220-240/380-400V 3Ph
Input frequency (optional)	50/60Hz
Water making power	25kw
Water Capacity	2000L
Water Production temperature	15-43°C
Water production humidity	25-95%
Internal Water Tank	Customized
Disinfection	UV
Water Filtration	UF filtration system
Refrigerant	R410A
Water proof level	IPX2
Ingress Protection	IP45
Product Dimension	4800*2200*2200mm
Net Weight	1500KG

P4000



Input voltage (optional)	AC100-127/220-240V 1Ph
	AC220-240/380-400V 3Ph
Input frequency (optional)	50/60Hz
Water making power	51.2kw
Water Capacity	4000L
Water Production temperature	15-43°C
Water production humidity	25-95%
Internal Water Tank	Customized
Disinfection	UV
Water Filtration	UF filtration system
Refrigerant	R410A
Water proof level	IPX2
Ingress Protection	IP45
Product Dimension	6400*2200*2200mm
Net Weight	2500KG

P6000



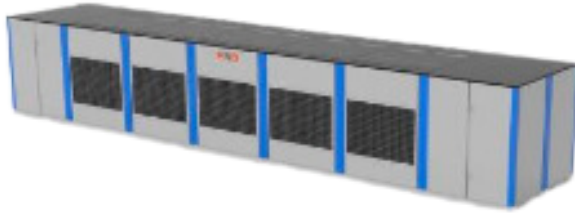
Input voltage (optional)	AC100-127/220-240V 1Ph
	AC220-240/380-400V 3Ph
Input frequency (optional)	50/60Hz
Water making power	76.8kw
Water Capacity	6000L
Water Production temperature	15-43℃
Water production humidity	25-95%
Internal Water Tank	Customized
Disinfection	UV
Water Filtration	UF filtration system
Refrigerant	R410A
Water proof level	IPX2
Ingress Protection	IP45
Product Dimension	8000*2200*2200mm
Net Weight	3570KG

P8000



Input voltage (optional)	AC100-127/220-240V 1Ph
	AC220-240/380-400V 3Ph
Input frequency (optional)	50/60Hz
Water making power	100kw
Water Capacity	8000L
Water Production temperature	15-43℃
Water production humidity	25-95%
Internal Water Tank	Customized
Disinfection	UV
Water Filtration	UF filtration system
Refrigerant	R410A
Water proof level	IPX2
Ingress Protection	IP45
Product Dimension	9600*2200*2200mm
Net Weight	5000KG

P10000



Input voltage (optional)	AC100-127/220-240V 1Ph
	AC220-240/380-400V 3Ph
Input frequency (optional)	50/60Hz
Water making power	125kw
Water Capacity	10000L
Water Production temperature	15-43°C
Water production humidity	25-95%
Internal Water Tank	Customized
Disinfection	UV
Water Filtration	UF filtration system
Refrigerant	R410A
Water proof level	IPX2
Ingress Protection	IP45
Product Dimension	11200*2200*2200mm
Net Weight	6000KG

Pre-Filter



SS housing filter
Suggested lifetime: 6 months

UF filtration system



MC+ CT+UF+MU
total flow: 10000L
Suggested lifetime: 6 months

UF filtration system



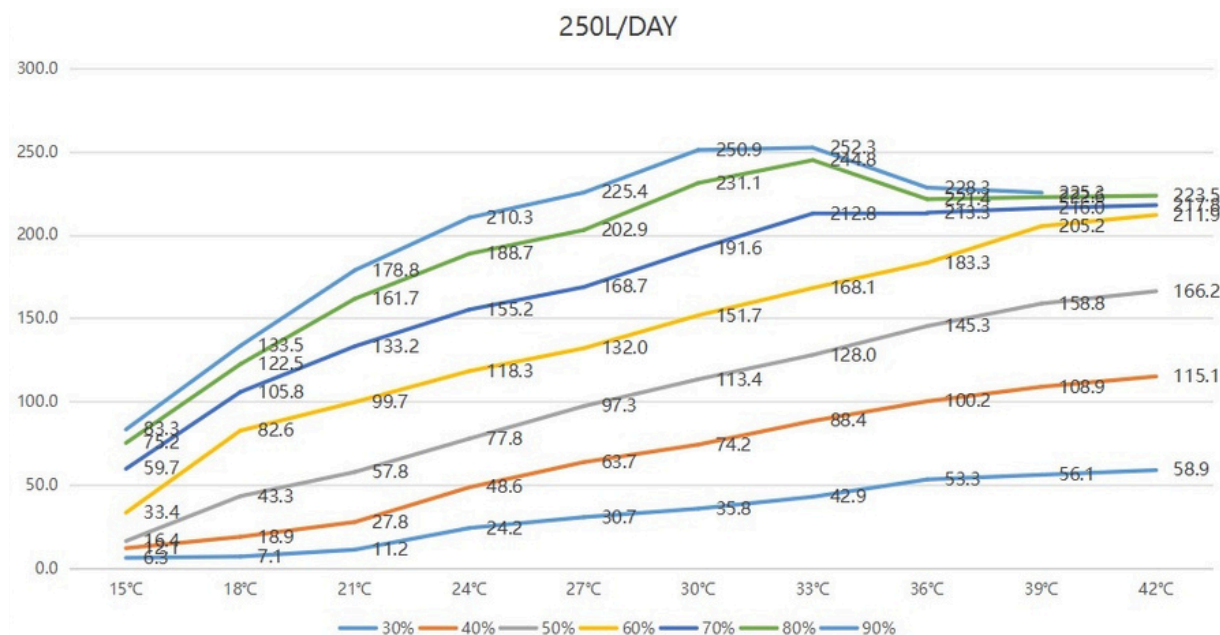
Washable Nylon mesh
Suggested lifetime: 12 months

WATER PRODUCTION DATA IN LTS PER 24 HRS

The daily water production capacity and energy consumption depend on local humidity and temperature conditions. The higher both factors are, the greater the efficiency of water production. A minimum of 25% relative humidity and a temperature of 15 degrees Celsius or higher are required to initiate water production.

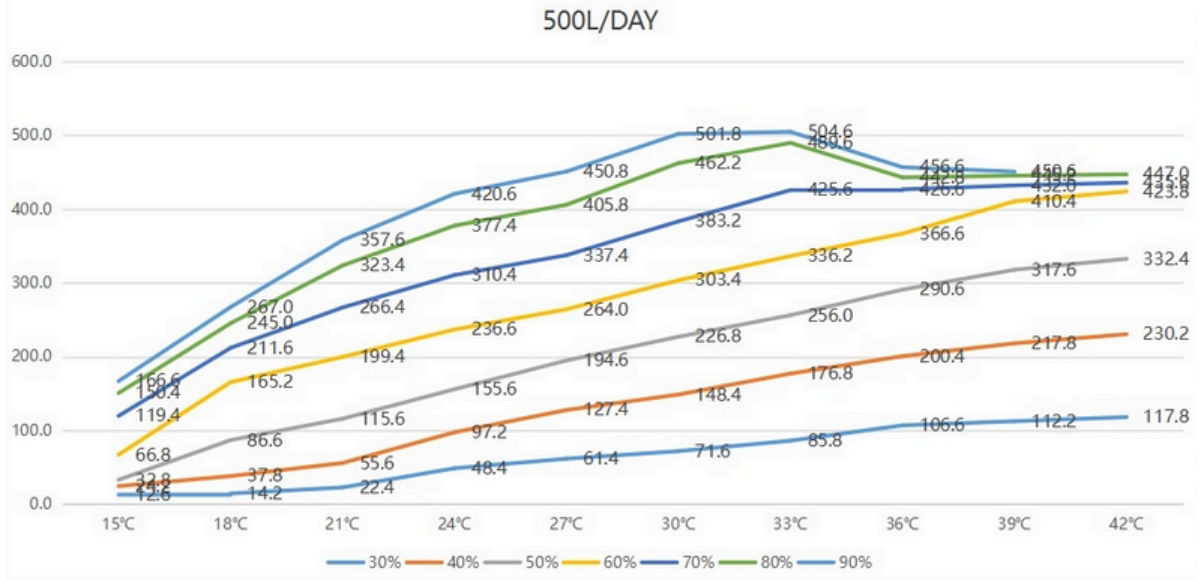
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Water Production L/day		Temperature									
Humidity		15°C	18°C	21°C	24°C	27°C	30°C	33°C	36°C	39°C	42°C
Humidity	30%	6.3	7.1	11.2	24.2	30.7	35.8	42.9	53.3	56.1	58.9
	40%	12.1	18.9	27.8	48.6	63.7	74.2	88.4	100.2	108.9	115.1
	50%	16.4	43.3	57.8	77.8	97.3	113.4	128.0	145.3	158.8	166.2
	60%	33.4	82.6	99.7	118.3	132.0	151.7	168.1	183.3	205.2	211.9
	70%	59.7	105.8	133.2	155.2	168.7	191.6	212.8	213.3	216.0	217.8
	80%	75.2	122.5	161.7	188.7	202.9	231.1	244.8	221.4	222.6	223.5
90%	83.3	133.5	178.8	210.3	225.4	250.9	252.3	228.3	225.3	-	



P 500

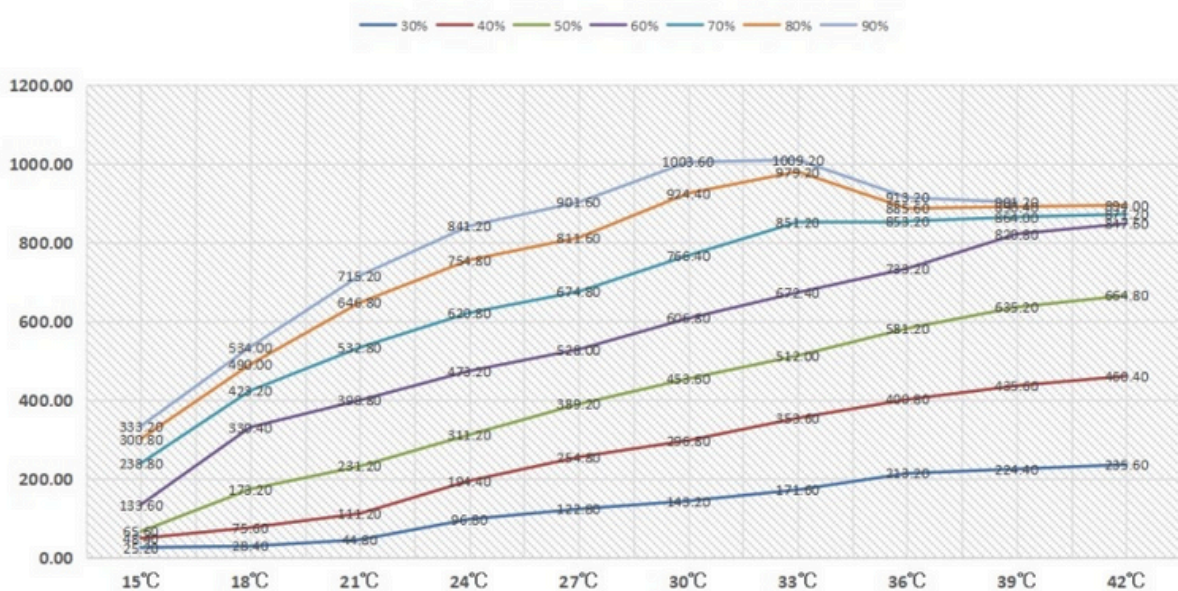
Lts/day		Temperature									
		15°C	18°C	21°C	24°C	27°C	30°C	33°C	36°C	39°C	42°C
Humidity	30%	12.6	14.2	22.4	48.4	61.4	71.6	85.8	106.6	112.2	117.8
	40%	24.2	37.8	55.6	97.2	127.4	148.4	176.8	200.4	217.8	230.2
	50%	32.8	86.6	115.6	155.6	194.6	226.8	256.0	290.6	317.6	332.4
	60%	66.8	165.2	199.4	236.6	264.0	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	-



P 1000

Amount (L/day)		Temperature									
		15°C	18°C	21°C	24°C	27°C	30°C	33°C	36°C	39°C	42°C
Humidity	30%	25.20	28.40	44.80	96.80	122.80	143.20	171.60	213.20	224.40	235.60
	40%	48.40	75.60	111.20	194.40	254.80	296.80	353.60	400.80	435.60	460.40
	50%	65.60	173.20	231.20	311.20	389.20	453.60	512.00	581.20	635.20	664.80
	60%	133.60	330.40	398.80	473.20	528.00	606.80	672.40	733.20	820.80	847.60
	70%	238.80	423.20	532.80	620.80	674.80	766.40	851.20	853.20	864.00	871.20
	80%	300.80	490.00	646.80	754.80	811.60	924.40	979.20	885.60	890.40	894.00
	90%	333.20	534.00	715.20	841.20	901.60	1003.60	1009.20	913.20	901.20	-

P1000



P 10000

Amount (L/day)		Temperature									
		15°C	18°C	21°C	24°C	27°C	30°C	33°C	36°C	39°C	42°C
Humidity	30%	252.00	284.00	448.00	968.00	1228.00	1432.00	1716.00	2132.00	2244.00	2356.00
	40%	484.00	756.00	1112.00	1944.00	2548.00	2968.00	3536.00	4008.00	4356.00	4604.00
	50%	656.00	1732.00	2312.00	3112.00	3892.00	4536.00	5120.00	5812.00	6352.00	6648.00
	60%	1336.00	3304.00	3988.00	4732.00	5280.00	6068.00	6724.00	7332.00	8208.00	8476.00
	70%	2388.00	4232.00	5328.00	6208.00	6748.00	7664.00	8512.00	8532.00	8640.00	8712.00
	80%	3008.00	4900.00	6468.00	7548.00	8116.00	9244.00	9792.00	8856.00	8904.00	8940.00
	90%	3332.00	5340.00	7152.00	8412.00	9016.00	10036.00	10992.00	9132.00	9012.00	-

