



BAODIAN
Electronics Technology

Shandong Baodian Electronics Technology Co., Ltd

ADD: No.369 Hehua Road,Licheng District, Jinan,China. zip code: 250100

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BD-CW-6000 Water chiller

<http://www.bdwaterchiller.com/water-chiller/co2-laser-water-chiller/cw6000-water-chiller-for-300w-co2-laser-machine.html>





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Production process



Main Advantage

(1) The main pieces: Famous brand imported compressor and high flow high head pumps, safety



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and environmental protection, energy saving and durable.

(2) parts: the vast majority of the use of the original product, model configuration and diverse, stable performance, long service life.

Baodian CW-6000 series is high-precision compression refrigeration small water chiller, with intelligent temperature control, completed configuration, perfect protection and alarm system.

Features:

1. 3000W cooling capacity; optional environmental refrigerant;
2. $\pm 0.3^{\circ}$ C precisely temperature control; $\pm 0.1^{\circ}$ C is optional;
3. The intelligent temperature controller has 2 control modes, applicable to different applied occasions; with various setting and display functions;
4. Multiple alarm functions: compressor time-delay protection, compressor over current protection, water flow alarm and over high / low temperature alarm;
5. Multiple power specifications; CE approval;
6. Long working life and simple operation;
7. Optional heater and water filter.

SPECIFICATIONS:

One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature.

CW-6000AH: applied to cool three 100W CO2 laser tubes or four 80W CO2 laser tubes;

CW-6000AI : applied to a cool single CO2 100W RF laser tube;

CW-6000AN: applied to a cool a single 100W solid-state laser or a single 22KW CNC spindle;

Optional: CW-6002 dual water inlet and outlet series; heat booster; water filter.

Model	CW-6000AH	CW-6000BH	CW-6000DH	CW-6000OAI	CW-6000OBI	CW-6000ODI	CW-6000AN	CW-6000BN	CW-6000DN
Voltage	220V	220V	110V	220V	220V	110V	220V	220V	110V
Frequency	50Hz	60Hz	60Hz	50Hz	60Hz	60Hz	50Hz	60Hz	60Hz
Current	1~4.5A		1~10A	1.5~5.5A		1.5~10.5A	2~6A		2~11A
Compressor power	0.965KW	0.895KW	1.12KW	0.965KW	0.895KW	1.12KW	0.965KW	0.895KW	1.12KW
	1.28HP	1.22HP	1.52HP	1.28HP	1.22HP	1.52HP	1.28HP	1.22HP	1.52HP
Refrigeration capacity	10286Btu/h	9502Btu/h	10724Btu/h	10286btuh	9502Btu/h	10724Btu/h	10286btuh	9502Btu/h	10724Btu/h
	3.015KW	2.785KW	3.145KW	3.015KW	2.785KW	3.145KW	3.015KW	2.785KW	3.145KW
	2592Kcal/h	2395kcal/h	2711Kcal/h	2592kcal/h	2395kcal/h	2711Kcal/h	2592kcal/h	2395Kcal/h	2711Kcal/h
Refrigerant	R-22/R-410a								



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Refrigerant charge	800g	750g	650g	800g	750g	650g	800g	750g	650g
Precision	卤 0.3 掬 C								
Reducer	Capillary								
Protection	Over current protection for compressor, flow alarm, over temperature alarm								
Pump power	0.05KW			0.1KW			0.37~0.75KW		
Tank capacity	15L								
Inlet and outlet	Rp1/2"								
Max. lift	12M			25M			28~53M		
Max. flow	13L/min			16L/min			70L/min		
N.W	60Kgs						72Kgs		
G.W	70Kgs						82 Kgs		
Dimension	67 X 47 X 89 cm (L X W X H)								
Package dimension	74 X 62 X 109 cm(L X W X H)								

Note: the specification of water pump is selected according to different application; other electric sources can be customized; heating and higher temperature control precision functions are optional .

BD-CW-6100 Water chiller(dual input and dual temperature)



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Features:

- 1. 5100W cooling capacity; optional environmental refrigerant;



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2. $\pm 0.5^{\circ}\text{C}$ precisely temperature control,
3. The intelligent temperature controller has two control modes,applicable to different applied occasions;
4. Optional heater and water filter.
5. Small size, long working life and simple operation;

Application:

For tow 200W CO2 laser tubes, or a single 400W CO2 laser tube;

For a single Metal RF laser tube,

For A single 200W laser diode, a single 400W solid-state laser, a single 600W-1000W fiber laser or

For a single 45KW CNC spindle.

Specifications:

Model	CW-6100AH	CW-6100BH	CW-6100AI	CW-6100BI	CW-6100AN	CW-6100BN
Voltage	220V	220V	220V	220V	220V	220V
Frequency	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Current	1~8.2A	1~8A	1.5~8.7A	1.5~8.5A	2~9.2A	2~9A
Compressor	1.68KW	1.645KW	1.68KW	1.645KW	1.68KW	1.645KW
power	2.28HP	2.24HP	2.28HP	2.24HP	2.28HP	2.24HP
Refrigeration capacity	17510Btu/h	17640Btu/h	17510Btu/h	17640Btu/h	17510Btu/h	17640Btu/h
	5.13KW	5.17KW	5.13KW	5.17KW	5.13KW	5.17KW
	4420Kcal/h	4446Kcal/h	4420Kcal/h	4446Kcal/h	4420Kcal/h	4446Kcal/h
Refrigerant	R-22/R-410a					
Refrigerant charge	1100g	1200g	1100g	1200g	1100g	1200g
Precision	$\pm 0.5^{\circ}\text{C}$					
Reducer	Capillary					
Protection	Overcurrent protection for compressor, flow alarm, over temperature alarm					
Pump power	0.05KW		0.1KW		0.37~0.75KW	
Tank capacity	15L					
Inlet and outlet	Rp1/2"					
Max. lift	12M		25M		28~53M	
Max. flow	13L/min		16L/min		70L/min	
N.W	69Kgs			82Kgs		
G.W	79Kgs			92Kgs		
Dimension	67 X 47 X 89 cm(L X W X H)					
Package dimension	74 X 60 X 109 cm(L X W X H)					

BD-CW-6200 Water chiller



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Main Advantage

(1) The main pieces: the brand new imported compressor and high flow high



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head pumps, safety and environmental protection, energy saving and durable.

(2) parts: the vast majority of the use of the original product, model configuration and diverse, stable performance, long service life.

(3)BAODIAN industrial water chillers are popular for its 2 temperature control modes as constant temperature and intelligent temperature control. Under intelligent mode, the water temperature is adjusted according to ambient temperature. With that 1 key solution, customers no longer need to worry about the water temperature adjustment of seasonal changes.

Features:

- 1. 5100W cooling capacity; optional environmental refrigerant;
- 2. ±0.5 °C precisely temperature control;
- 3. The intelligent temperature controller has 2 control modes, applicable to different applied occasions;
with various setting and display functions;
- 4. Multiple alarm functions: compressor time-delay protection, compressor overcurrent protection,
water flow alarm and over high / low temperature alarm;
- 5. Multiple power specifications; CE approval;
- 6. Long working life and simple operation;
- 7. Optional heater and water filter.

SPECIFICATIONS:

1 One-stop automatic intelligent temperature control: in different environment, user does not need to change setting due to it will automatically switch to appropriate operating temperature.

CW-6200AI : applied to cool dual 200W CO2 laser tubes;

CW-6200AN: applied to cool a single CO2 RF laser tube, a single 600W CO2 laser tube, a single 200W laser diode, a single 400W solid-state laser, a single 600W-1000W fiber laser or a single 45KW CNC spindle;

Model	CW-6200AH	CW-6200BH	CW-6200AI	CW-6200BI	CW-6200AN	CW-6200BN
Voltage	220V	220V	220V	220V	220V	220V
Frequency	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Current	1~8.2A	1~8A	1.5~8.7A	1.5~8.5A	2~9.2A	2~9A
Compressor power	1.68KW	1.645KW	1.68KW	1.645KW	1.68KW	1.645KW
	2.28HP	2.24HP	2.28HP	2.24HP	2.28HP	2.24HP
Refrigeration capacity	17510Btu/h	17640Btu/h	17510Btu/h	17640Btu/h	17510Btu/h	17640Btu/h
	5.13KW	5.17KW	5.13KW	5.17KW	5.13KW	5.17KW
	4420Kcal/h	4446Kcal/h	4420Kcal/h	4446Kcal/h	4420Kcal/h	4446Kcal/h
Refrigerant	R-22/R-410a					



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Refrigerant charge	1100g	1200g	1100g	1200g	1100g	1200g
Precision	±0.5 °C					
Reducer	Capillary					
Protection	Overcurrent protection for compressor, flow alarm, over temperature alarm					
Pump power	0.05KW		0.1KW		0.37~0.75KW	
Tank capacity	15L					
Inlet and outlet	Rp1/2"					
Max. lift	12M		25M		28~53M	
Max. flow	13L/min		16L/min		70L/min	
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G.W	79Kgs				92Kgs	
Dimension	67 X 47 X 89 cm(L X W X H)					
Package dimension	74 X 60 X 109 cm(L X W X H)					

Note: the specification of water pump is selected according to different application; other electric sources can be customized; heating and higher temperature control precision functions are optional .

Kathy Wang

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