



The "core" power emitting the charm of science and technology,
Rigid Technology provides you refrigeration solutions.



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Liquid Chiller Module

A mobile, compact refrigeration-based chiller module for nearly every cooling application

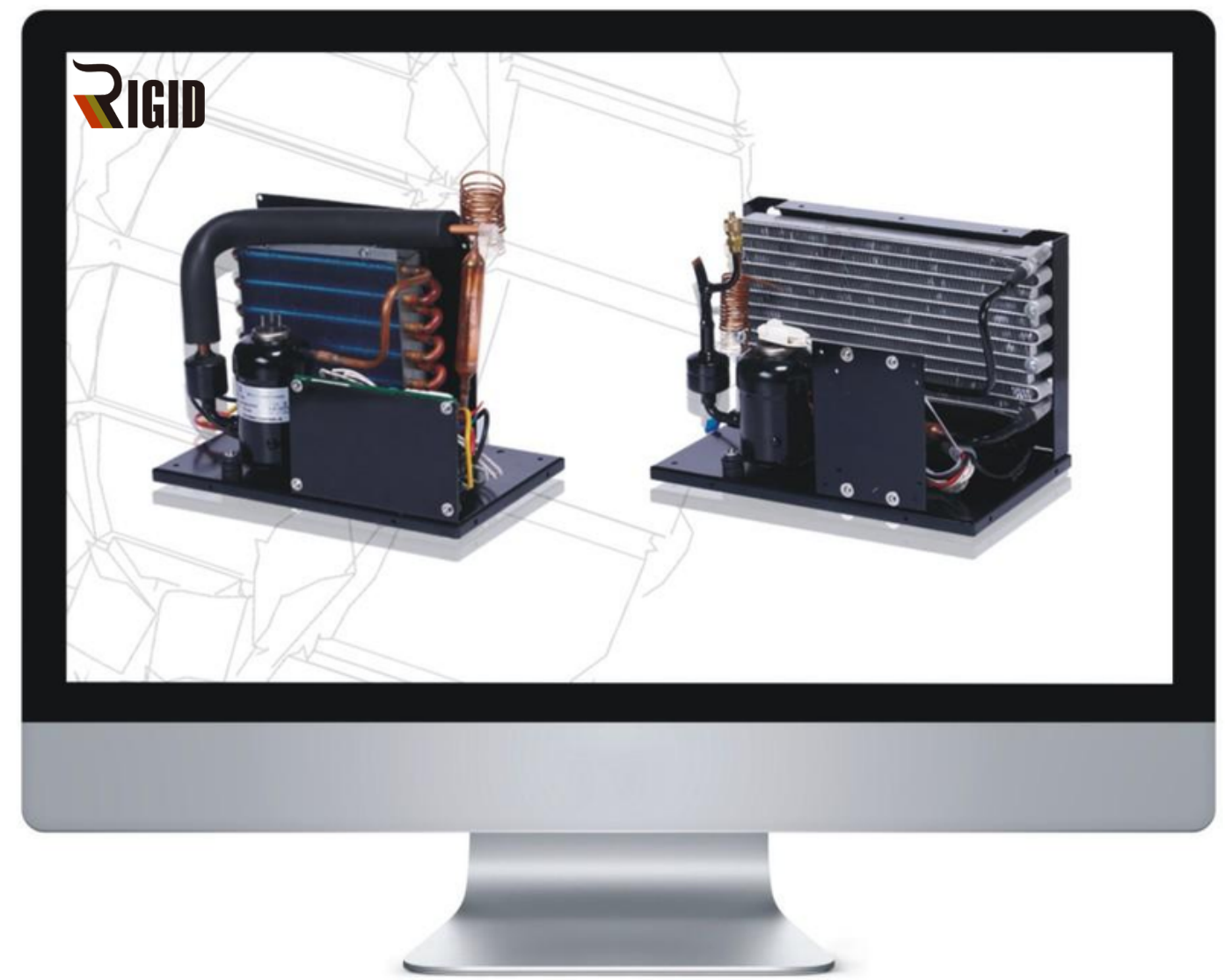


Bring Compact & Efficient Cooling Solution to Portable Application.

- Miniature Compressors
- Micro Liquid Chiller Systems
- Compact Refrigeration Systems

Liquid Chiller Module

DV14 & DV19 E Series



Background

RIGID specializes in the design of miniature refrigeration systems. We work directly with our customers to provide custom cooling solutions to meet their specific requirements. Rigid also provides solutions to meet client's challenging cooling requirements. Many of cooling systems & modules which Rigid has designed, are very well-received by customers.

System Configuration

The Liquid Chiller is a compact, hermetically sealed refrigeration system (including a miniature variable speed inverter compressor and drive board (patented sine wave), condenser, heat exchanger, capillary, filter drier, dc fan motor, and other small parts).

The system is fully charged with R-134a, insulated and mounted to a baseplate to drop directly into the end application. The user connects their coolant loop to the evaporator and provides airflow over the condenser. The user can interface with the drive board to provide compressor speed control as desired.

Key Benefits:

- Stationary or portable available;
- Minimize weight&footprint&noise;
- Compact cooling unit for precise thermal control.

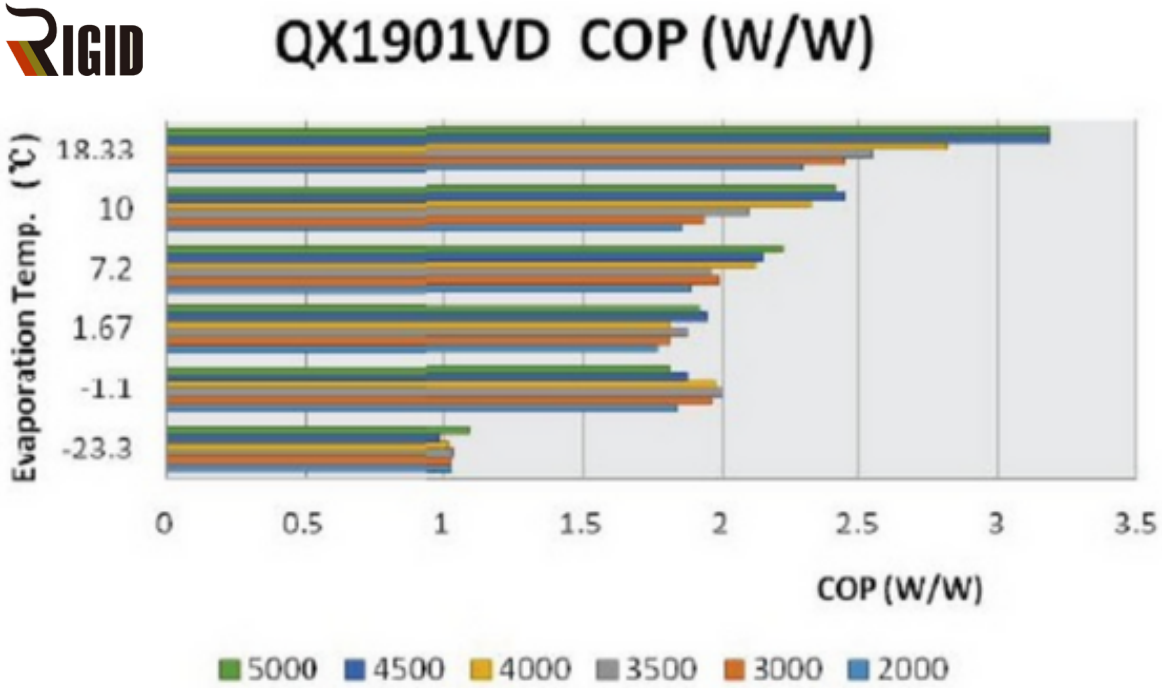
Key Benefits:

- Weight: 5.1 lbs / 2.3kgs;
- 12V 24V 48V DC input;
- Inverter brushless compressor;
- Fully tested, simple to install unit;
- 500Btu~1,600Btu cooling capacity.

Liquid Chiller Module

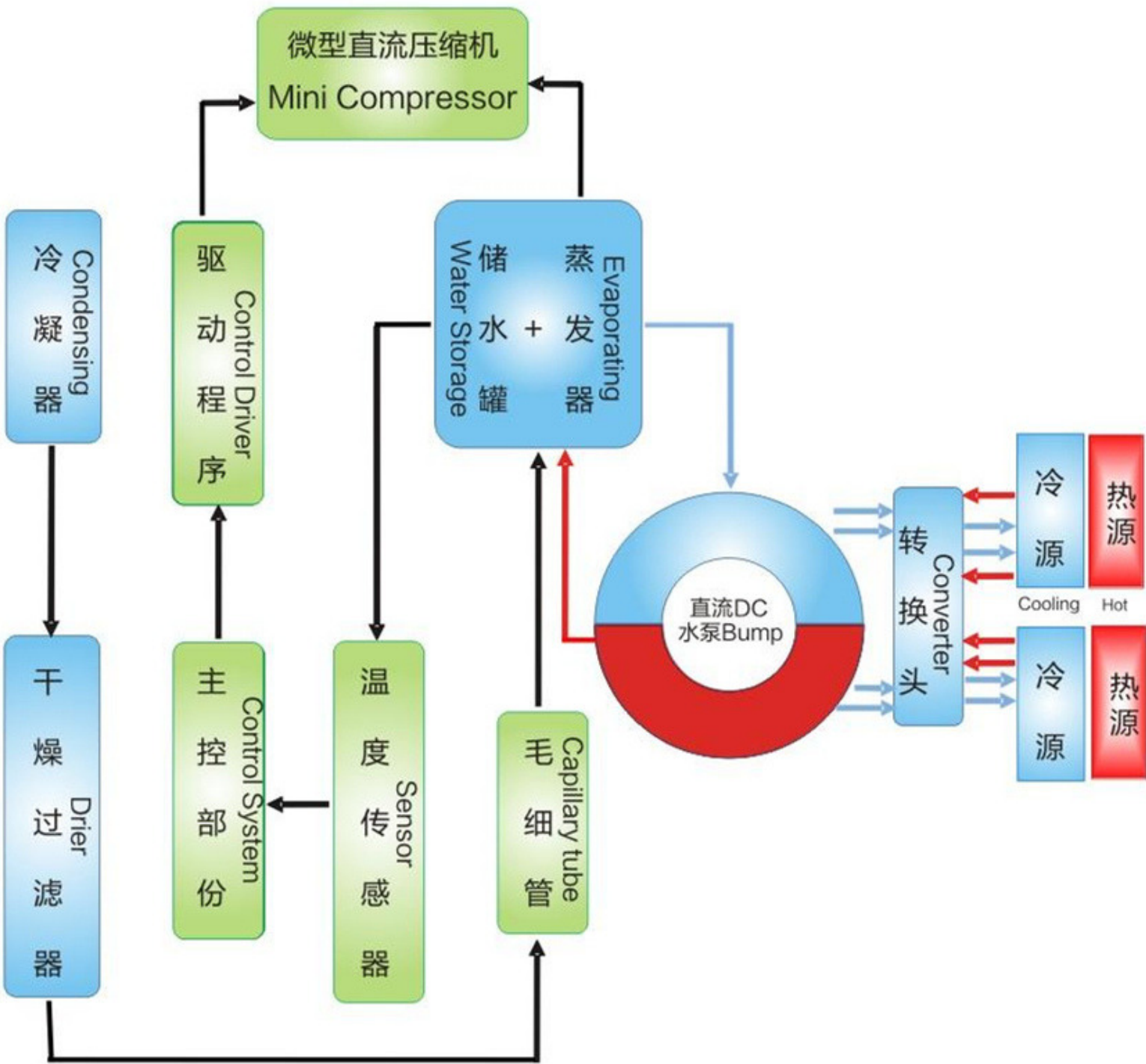
DV14 & DV19 E Series

Technical Data	
Cooling Capacity	100W~500W Adjustable
Heat Exchangers Material	Copper or Stainless Steel
Coolant Temperature	0°C to 50°C (32°F to 122°F)
Maximum Power Draw	500 Watts
Voltage	12V & 24V & 48V DC
Compressor	Brushless Inverter Compressor
Noise	<40 dBA
Weight	5.1 lbs / 2.3kgs
Dimensions (L x W x H)	25 x 16 x 13.5 mm (9.8 x 6.3 x 5.3 in)
Orientation	Must operate within 30° of flat
Operating Ambient Temperature	0°C to 50°C (32°F to 122°F)
Refrigerant	R-134a

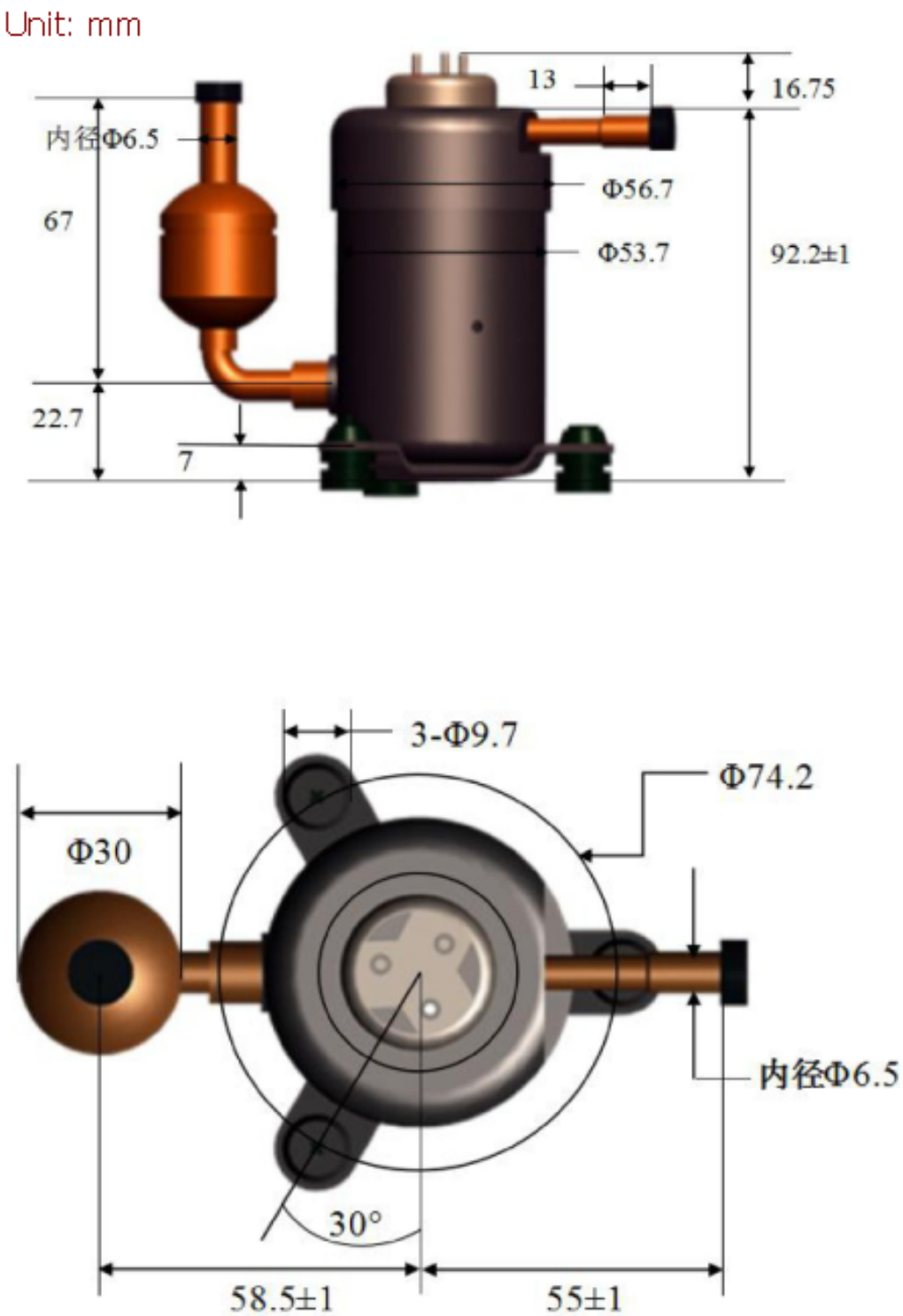


RIGID's DC Liquid Chiller is designed for high cooling capacity combined with stability.

微型水循环系统结构
Super Small Circulating Water System Structure



Miniature Inverter Compressor External Dimension



All Rigid Standard Cooling Systems are designed and manufactured with complete control of every step to ensure that Rigid's uncompromising standards for ultimate performance, unmatched reliability and highest durability are met. Besides standard chiller modules, Rigid also custom-made refrigeration units according to clients' demand. More details, click [HERE](#) to see our website.