

## Liquid Chiller Modules

Model No#: COMP-LCM-CTPE00X

Refrigerant control: Capillary tube

Evaporator: Plate Heat Exchanger



### Description:

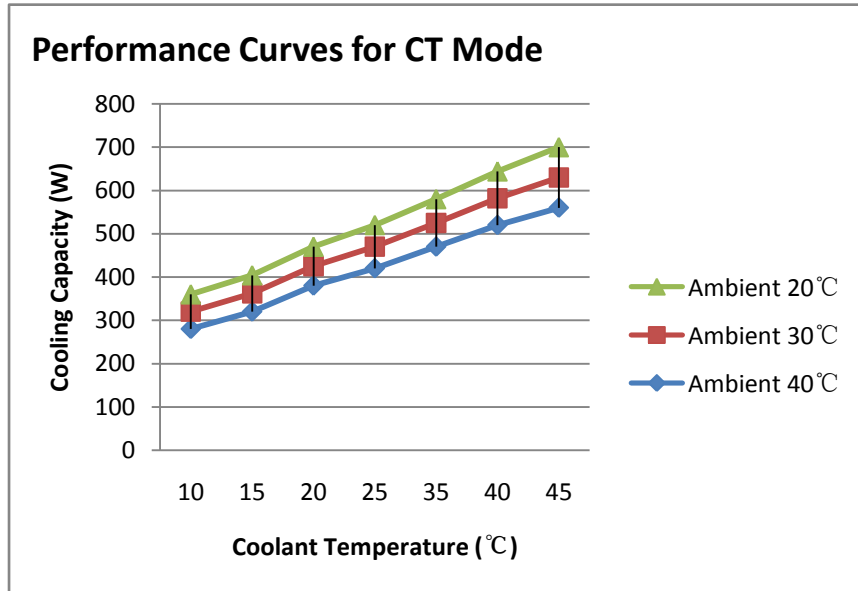
Liquid Chiller Module (LCM) includes Miniature Compressor/Compressor Drive/Condenser/Plate Evaporator. Refrigerant control mode is capillary tube. This subsystem was full charged and tested with R134a and ready to use.

This module is good for customers who can deal with system control. They want cooling module only to integrate or assemble with their equipments. Customer's control board may connect with compressor drive to control compressor speed and get the best performance as need. No special program is need for capillary tube refrigerant control.

Application Ambient temperature: 0C to 45C (32F to 113F)

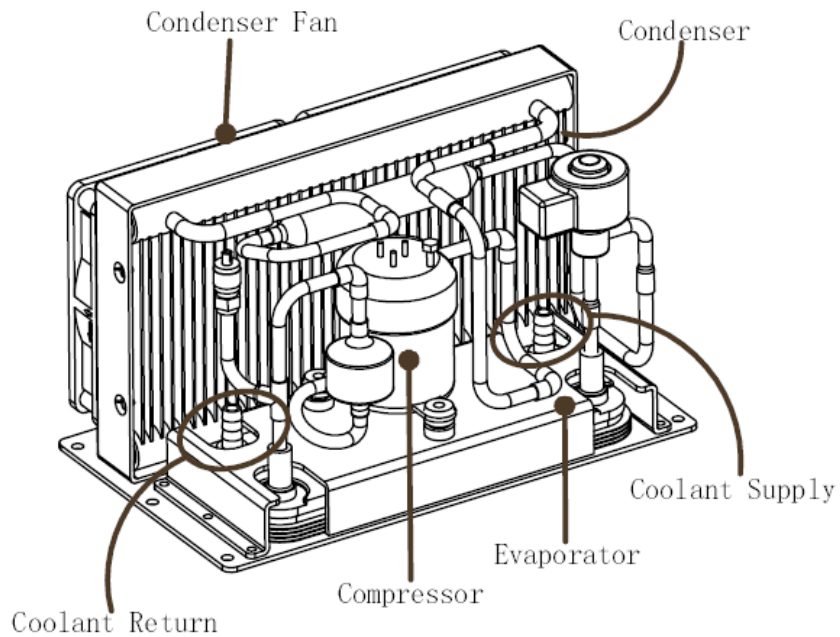
## Performance Curves

Refrigerant Control: Capillary Tube



**Note:** Result was obtained with 150CFM air flow through condenser.

## LCM Drawing



## Technical Data

Model COMP-LCM2414-CTPE001	Description
Compressor	Miniature Aspen DC Rotary Compressor
Refrigerant	R-134a
Cooling capacity	350W (See Performance curves)
Cooling Liquid	Water, Water/Glycol Mixtures
Liquid Temperature	-5C to 40C (23F to 104F)
Voltage	24VDC (Range 22-32VDC)
Operating Current	4-8Amps (Max 15Amps)
Max Power Draw	360W (24V)
Condenser	120x240mm (500W)
Plate Evaporator	Danfoss (500W)
Refrigerant Control	Capillary Tube
Dimension	260x150x150mm(10.24x5.91x5.91inch)
Weight	3KG (6.5lbs)
Noise	50dBA Less
Operating Ambient Temperature	-10 to 45C (14F to 113F)
Storage Temperature	-20 to 55C(-4F to 131F)

### Model number for Plate Evaporator LCM

Model Number	Cooling Module	Fan Assembly	Pump Assembly
COMP-LCM2414-CTPE001	yes	no	no
COMP-LCM2414-CTPE002	yes	yes	no
COMP-LCM2414-CTPE003	yes	yes	yes
COMP-LCM1214-CTPE004	yes	no	no
COMP-LCM1214-CTPE005	yes	yes	no
COMP-LCM1214-CTPE006	yes	yes	yes
COMP-LCM4819-CTPE007	yes	no	no
COMP-LCM4819-CTPE008	yes	yes	no
COMP-LCM4819-CTPE009	yes	yes	yes