

# AIR COOLED CHILLER CHI21-056



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Air cooled chiller absorb heat from process water, and the heat is then transferred to the air around the chiller unit. Air cooled chiller require less maintenance.

Used in Laboratory, Pharmaceutical, Chemical, Laser.

Also known as Laboratory Air Cooled Chiller.

## CHI21-056 AIR COOLED CHILLER

It adopts single-stage vapor compression circuit and has compressor overload protection, pump overload protection, reverse phase and lack of phase warning, anti-icing protection, high and low pressure protection and other devices.

The machine has stable performance and long life.

It can cool down quickly, and the temperature is stable to meet customer requirements.

This series of products mainly work on the principle of cold and heat exchange.

It is suitable for the cooling field in modern industry and is not affected by the ambient temperature.

It is an indispensable configuration device.



## SPECIFICATIONS

|                        |                                                             |
|------------------------|-------------------------------------------------------------|
| Model                  | CHI21-056                                                   |
| Freezing capacity      |                                                             |
| kw                     | 56.7 kw                                                     |
| kcal/h                 | 48762 kcal/h                                                |
| btu/h                  | 193460.4 btu/h                                              |
| Compressor             |                                                             |
| Output power           | 18.7 kw                                                     |
| hp                     | 12.5x2 hp                                                   |
| Weight                 | 22 kg                                                       |
| Refrigerant            |                                                             |
| Control mode           | Thermostatic expansion valve                                |
| Type                   | R22 ( R407C optional )                                      |
| Evaporator(Type)       | Tube-in-shell                                               |
| Condenser(Air Chiller) |                                                             |
| Fan power              | 1.1x2                                                       |
| Type                   | High effective inner threaded copper finned + low noise fan |
| Water tank capacity    | 250 L                                                       |
| Pump                   |                                                             |
| Type                   | Stainless steel centrifugal pump                            |
| Power kw               | 2.2 kw                                                      |
| Flow rate              | 315 l/min                                                   |
| Working pressure       | 2 bar                                                       |
| Chilled wateroutlet    | 2 v 2 inch 1                                                |
| Pipe coupling          |                                                             |

|                          |                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Chilled water inlet      | 2 v 2 inch1                                                                                                                             |
| Water tank drainage port | 1 inch                                                                                                                                  |
| Dimension(LXWXH) mm      | 2900x1170x1930 mm                                                                                                                       |
| Weight                   | 760 kg                                                                                                                                  |
| Power                    | 3 ph-380 V/50 Hz (220 V/400 V/415 V/440 V 50 Hz/60 Hz)                                                                                  |
| Temperature              | 5-35 °C                                                                                                                                 |
| Tolerance                | ± 0.5 °C (± 1 °C at low load)                                                                                                           |
| Safety protections       | High and low pressure controller/anti-freezing switch/overload of pump and compressor protection/overheat protection/delayed protection |



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