

SMALL TONNAGE COMMERCIAL CHILLER



Surna's chillers are designed specifically for an indoor cultivation facility, delivering benefits that other cooling systems cannot. Using a Surna chilled water system eliminates ductwork (a preferred home of mold and bacteria), and allows cultivators to totally seal their environment, offering enhanced control and minimizing odor escape. In addition, most cooling systems are designed to keep your facility cool in high ambient temperatures but the Surna chiller is designed to run reliably in all conditions, down to -20°F (-28°C).

Available in 1.5, 2, 4 and 8-tons, Surna chillers are built to last and feature top of the line evaporators, scroll compressors and advanced safety features like flow switches and anti-freeze protection. Unlike other cooling options, Surna chillers can be shared between rooms without sharing air, allowing for larger compressors and lower

electrical requirements. Sharing between rooms also offers built-in redundancy, making them an obvious choice for any cultivator operating on a flip schedule. They are also designed to be modular, combining chillers into a bank to provide any size system.

All Surna products are assembled in the USA and feature only the highest quality components, from capacitors to compressors. Surna understands the importance of reliable cultivation equipment and so all chillers pass rigorous quality control tests to ensure they meet or exceed their rating.

These chillers can be used for any chilled water application, but when paired with an appropriately sized fan coil, the result is a simple, energy efficient climate control system.

FEATURES AND BENEFITS

Small Footprint

The commercial/residential chillers have a small footprint, ideal for facilities with space limitations.

Modular

The modular design of Surna's chillers means that facilities can easily integrate N+1 redundancy, making the system more reliable and offering peace of mind.

Inexpensive

Surna designs and manufactures equipment in house, meaning we can pass on the savings to you. Our systems are ideal for cultivators on a budget.

SPECIFICATIONS

PHYSICAL	1.5 TON 1-18-01	2 TON 1-24-01	4 TON 1-48-01	8 TON 1-96-01	8 TON 1-96-02
Length	32 in	35 in	38 in	45 in	
Width	28 in	30 in	35 in	40 in	
Height	28 in	28 in	41 in	39 in	
Weight	165 lbs	240 lbs	260 lbs	355 lbs	
ELECTRICAL					
Volts - Phase	208/230V Single Phase			208/230V Three Phase	460V Three Phase
Compressor FLA	7.6A	12A	20.2A	30.5A	16.7A
Minimum Circuit Ampacity	17.6A	19.1A	32.8A	43.2A	24.4A
Maximum Overcurrent Protection	30A		50A	70A	40A
PERFORMANCE & MECHANICAL					
Nominal Cooling Capacity	18,000 BTU/hr	27,000 BTU/hr	48,000 BTU/ hr	96,000 BTU/hr	
Flow Rate	5 GPM	5.5 GPM	9 GPM	18 GPM	
Decibels	75	78	77	84	
Water Line In	3/4 in FNPT			1 in FNPT	
Water Line Out	3/4 in FNPT			1 in FNPT	
EER / IPLV	10.5/16.8	9.9/15.4	10.2/15.6	10.1/15.4	10.1