

## ECOCHILL™ SURNA 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 0°F (-18°C).

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, eliminating the risk of cross-contamination and lowering 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 of Surna's EcoChill™ small tonnage commercial chillers 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**

These small tonnage chillers have a small footprint, ideal for facilities with space limitations.

### **Modular**

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

### **Inexpensive**

Designed and manufactured in-house, meaning we can pass on the savings to you. Our systems are ideal for cultivators on a budget.

## SPECIFICATIONS

PHYSICAL		3.5 TON 1-42-01	8 TON 1-96-01	8 TON 1-96-02
Length	in (mm)	38 (965)	45 (1143)	
Width	in (mm)	35 (889)	40 (1016)	
Height	in (mm)	41 (1041)	39 (991)	
Weight	lbs (kg)	260 (118)	355 (161)	
ELECTRICAL				
Power Supply	Volts, Phase	208/230V Single Phase	208/230V Three Phase	460V Three Phase
Compressor Full Load Amps (FLA)	A	20.2	30.5	16.7
Min. Circuit Ampacity (MCA)	A	32.8	43.2	24.4
Max. Overcurrent Protection (MOP)	A	50	70	40
PERFORMANCE & MECHANICAL				
Nominal Cooling Capacity	BTU/Hr (kW)	48,000 (14.07)	96,000 (28.13)	
Flow Rate	GPM (L/h)	9 (2044)	18 (4088)	
Sound	dB(A)	77	84	
Water Line In	in (mm)	3/4 (19)	1 (25)	
Water Line Out	in (mm)	3/4 (19)	1 (25)	
Efficiency	EER / IPLV	10.2/15.6	10.1/15.4	10.1
Certifications	ETL			

All dimensions are approximate within 1/16 of an inch of those indicated.