

COMMERCIAL / INDUSTRIAL 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.

Available in 26, 52, 100 and 130-Tons, our industrial chillers are available for any sized facility. These chillers also offer a combination of high efficiency and low sound levels and operate in a multitude of environments, capable of starting and operating with outside air temperatures from -20°F(-29°C) to 125°F (52°C).

Surna chillers are built to last and feature top of the line evaporators with strainers to keep them clean, 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.

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 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 the simplest, most energy efficient climate control system.

FEATURES AND BENEFITS

Exceeds ASHRAE 90.1 Standards

We've developed our chillers to be as efficient as possible in order to offer significant savings on operating costs.

Operates in temperatures between -20°F to 125°F

These reliable chillers are designed to operate in any climate, giving cultivators peace of mind when experiencing extreme temperatures.

Simplified Maintenance

Surna's commercial/industrial chillers utilize an easily accessible sophisticated control panel that optimizes chiller operation and reduces the need for maintenance on equipment.

SPECIFICATIONS

| PHYSICAL | 26 TON 10-315-01 | 52 TON 10-600-01 | 100 TON 10-1200-01 | 130 TON 10-1560-01 |
|--------------------------------|------------------------------|---------------------|-----------------------|-----------------------|
| Length | 113.8 in | 113.8 in | 165.9 in | 201.9 in |
| Width | 50.4 in | 88.4 in | 88.9 in | |
| Height | 84.7 in | 84.4 in | 92.5 in | |
| Weight | 2,278 lbs | 3,805 lbs | 6,757 lbs | 7,898 lbs |
| ELECTRICAL | | | | |
| Volts - Phase | 208/230/460/575V Three Phase | | | |
| Compressor RLA | 51/44/21/19 A | | 91/85/42/34 A | 74/67/33/26 A |
| Minimum Circuit Ampacity | 131/117/56/50 A | 246/220/106/93 A | 444/418/206/169 A | 567/531/261/212 A |
| Maximum Overcurrent Protection | 175/150/70/60 A | 250/250/125/110 A | 500/500/250/200 A | 600/600/300/225 A |
| PERFORMANCE & MECHANICAL | | | | |
| Nominal Cooling Capacity | 312,000 BTU/hr | 624,000 BTU/hr | 1,200,000 BTU/hr | 1,560,000 BTU/hr |
| Flow Rate | 65 GPM | 130 GPM | 250 GPM | 325 GPM |
| Water Connection | 2.5 in | 3 in | 4 in | |