

Our new designed and built unit ECCU-HYT 1.80.783, is a very compact powerful unit, providing internal heating, cooling and dehumidification and CO2 scrubbing. Each unit is capable for 10 persons.

Heating Capacity:

is 4,5 kW in atmospheric air and unto 11 kW when the unit is pressurized till 50 msw. With heliox or trimix the capacity rates are from 10 till 20 kW or more, depending on the gas-mix, ambient pressure and water temperature.

Cooling capacity:

is + 2,4 kW in atmospheric air, unto 6,5 kW at an ambient pressure of 50 msw. With heliox or trimix the capacity rates are from 5 till 12 kW all depending on the gasmix used or the ambient pressure and the water temperature, and flow.

The unit is outfitted with 2 x electrical driven fans with a 24 volt input, which are outfitted with totally enclosed-, pressure proof-, magnetical driven-, commutating engines.

Electrical power is 24 volt DC, 12 Amps, and a separate 0-10 volt supply must be connected to control the speed of the fan, which is controllable from 0 till maximum.

The unit is provided with 2 pcs. sodalime canisters, each containing 8 liters of sodalime. These canisters are sheathed with a 0,5 mesh grade gauze on their inside, which makes it possible to use high grade sodalime, granule size 1 till 2 mm instead of the 3 till 4 mm sodalime commonly used. The sodalime with the smaller mesh size 1 till 2 mm has a much better performance than the larger sized one.

Dimensions:

Overall size of the unit:

L x W x H = 584 x 310 x 630 mm

Canister size:

L x W x H = 294 x 150 x 225 mm

Weight of the unit: 90 Kgs excl. canisters

Weight of the canisters: 4 Kgs per unit

