

HYPERBARIC CHAMBER IMPORT & INSTALLATION GUIDE

Thank you for choosing to work with us. This guide is designed to help you, our valued client, prepare thoroughly for the delivery and installation of your HpoTech hyperbaric system.

It outlines essential logistical, spatial, electrical, and training requirements for smooth installation. Please read each section carefully and complete the indicated preparations to ensure a smooth setup.

1. Import procedures

After purchasing your products, several import procedures will follow. Below is a step-by-step overview to guide you through the process:



Step 1: Customs broker

You will need a licensed customs broker to handle your import process. If you don't have one, we can recommend trusted partners. We'll assist through the process with joint email communication.



Step 2: Customs registration & documentation

Your broker will manage all necessary registrations and submit the required import documentation, based on your country's regulations. Customs brokerage fees are the customer's responsibility.



Step 3: Import duties & delivery

Once your products arrive at customs, applicable VAT and import duties will be calculated. After payment, your goods will be transferred to a local warehouse and prepared for delivery to your address.



Step 4: Delivery scheduling & equipment - Forklift

You will receive a scheduled delivery date and time in advance (e.g., *"Your products will be delivered on March 28 at 14:00"*).

Please ensure a forklift is available at the delivery location to unload the products.

Important Note: Forklift service is **not** included in the installation fee.

If the delivery vehicle arrives and cannot unload the goods due to a lack of equipment, an **additional domestic transport fee** may apply for rescheduling and warehouse wait time.

To avoid such charges, please ensure a forklift is available on site.

2. Space & access requirements



2.1 Module Dimensions

All HpoTech hyperbaric chambers are modular and built with 3, 4, 5, or more modules, according to the number of seats available. Each section/module is designed to fit through standard doors.

Ensure that all passageways and doors can accommodate at least these module dimensions with buffer space:

- Width: 860 mm → 33.86 inches
- Height: 1860 mm → 73.23 inches
- Depth: 1910-1990 mm → 75.20 - 78.35 inches

See technical plans for each chamber at the end of this document.



2.2 Site survey & logistics checklist

- Measure all doorways, hallways, and access points from the delivery vehicle to the final installation location.
- Identify tight turns, steps, elevators, or ceiling issues
- Confirm truck access, including unloading space



2.3 Forklift access

- Forklift must have a **minimum 5,000 lb (2,267.96 kg) capacity**
- Forks must be at least **7.2 feet (218.44 cm) long**
- Provide a **level and stable unloading area**



2.4 Entry & rolling path

- Ensure a **flat, clear, unobstructed path**
- Remove all obstacles (furniture, equipment, etc.) along the rolling path
- Protect vulnerable flooring (tile, hardwood, etc.)
- Check for stairs or elevation changes (more than **½ inch or 13 mm** = ramp required)
- Avoid unstable surfaces (grass, gravel); use plywood if needed



2.5 Crane or lift

- Assess for potential crane/lift need
- Ensure space and clearance for crane operation

3. Placement area for the hyperbaric system

Designate a clean, dry, temperature-controlled room that:
- Fits the full chamber footprint + access room
- Has a **level, durable floor** capable of supporting the equipment's weight
- Is oriented for preferred visibility and panel access

Auxiliary equipment setup
- Provide space for: **Oxygen Generator, Chiller, Compressor, Transformers**
- Ensure airflow and avoid tight enclosures
- Do not block vents or fans

Environmental controls
- Maintain room temperature **below 75°F (24°C)**
- Avoid garages, attics, or low-ventilation zones
- Use HVAC/fans as needed

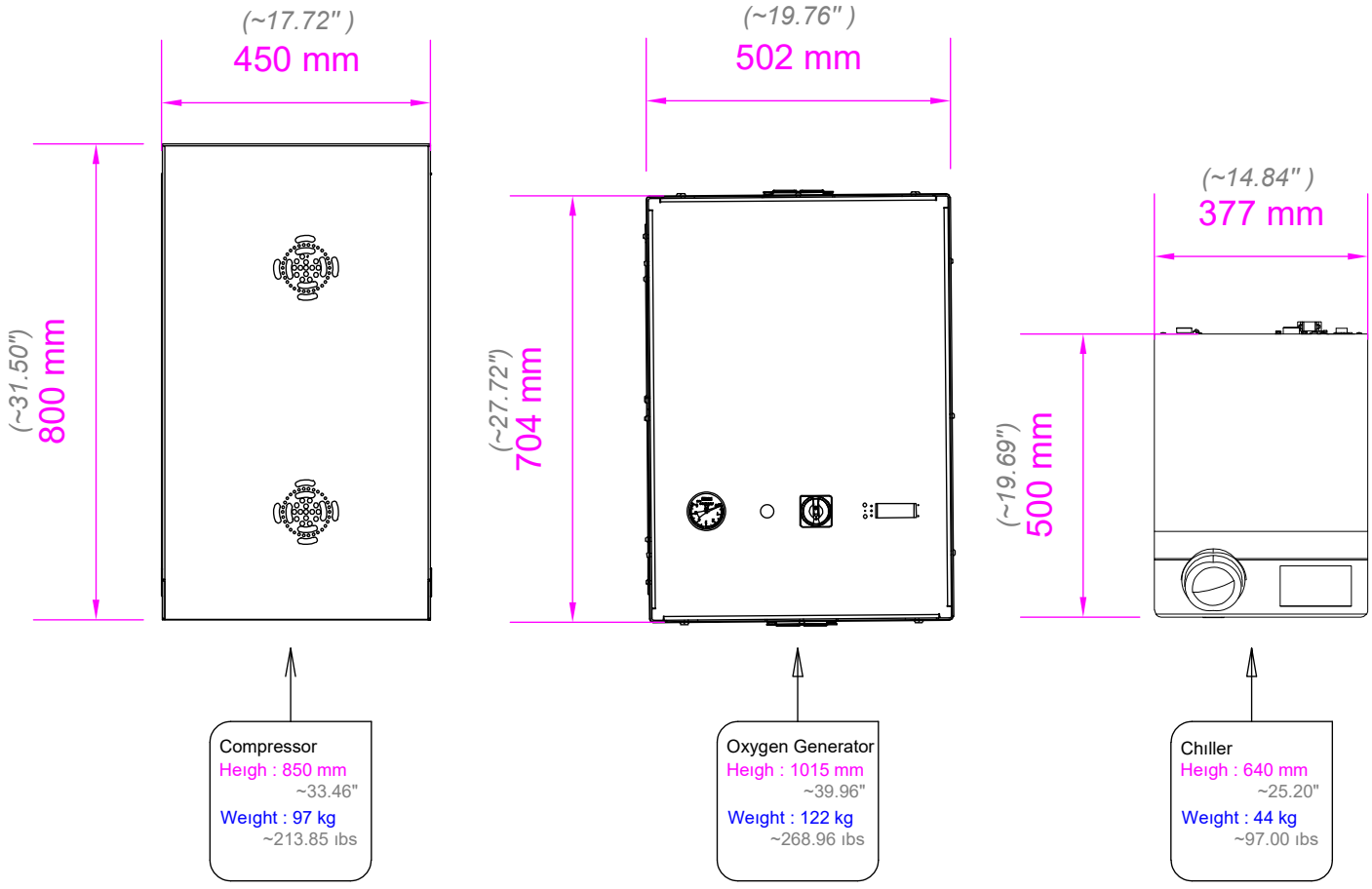
Noise considerations
- Consider proximity to quiet areas
- Use sound insulation if required

Placement of the hyperbaric chamber
- The hyperbaric chamber should not be positioned with the acrylic facing direct sunlight.
- If the room has large windows, curtains or blinds must be installed to shield the acrylic from sun exposure.

Load bearing requirement
Ensure the total system weight does not exceed the room's floor load-bearing capacity.

This includes:

- The chamber itself: See Table
- Oxygen concentrators (based on number of seats): **122 kg / 269 lbs each**
- One air compressor: **97 kg / 213.8 lbs**
- One air cooler: **44 kg / 98 lbs**



Hyperbaric system weight summary

Chamber	Base chamber weight (kg / lbs)	Oxygen concentrators	Total system weight (kg / lbs)
ATLANTIS	1400 kg / 3087 lbs	2	1785 kg / 3936 lbs
MEDITERRANEAN	1960 kg / 4322 lbs	4	2589 kg / 5708 lbs
TROJAN	180 kg / 396.8 lbs	1	442 kg / 974.4 lbs
ZEUGMA	800 kg / 1763 lbs	1	1063 kg / 2344 lbs
PETRA	1100 kg / 2425.08 lbs	1	1363 kg / 3005 lbs
MATRiX*	1550 kg / 3417.2* lbs	1–2	1812–1967 kg / 3994.1–4336.5 lbs

*MATRiX may include either 1 or 2 oxygen concentrators.

4. Handling & installation preparation

Ensure handling equipment is arranged in advance to avoid delays. Our team will indicate the handling equipment necessary for your installation.

Requirement	Client responsibility
Forklift	✓
Crane	✓
Wheeled platform	✓
Ramp	✓
Installation personnel	Minimum 2–3 persons
Standard tools	List provided if needed



5. Transportation & storage

Please coordinate with us for exact delivery timing to minimize storage costs.

- Reserve parking for **large delivery truck**
- Ensure 2-3 hours unloading time. Consider the possibility that the chamber needs to be disassembled on the street if we cannot bring it in for disassembly.
- If early delivery, arrange for local warehousing



Crate dimensions & delivery preparation guide

Our hyperbaric chambers are carefully packaged and shipped in **durable wooden crates** to ensure their safety during transport. Each component inside the crate is individually protected using **polystyrene, bubble wrap, plastic film, and duct tape** to prevent any damage.
Upon delivery, the receiving team from the client's side should be prepared to assist with the **uncrating and unpacking process.** Clients are kindly requested to provide **at least two helpers** equipped with the following basic tools and safety gear:

- **Hammers and pry bar** (for crate disassembly)
- **Electric screwdriver and screw bits** (for crate and component access)
- **Cutters / utility knives** (for removing wrapping materials)
- **Screwnails and gloves** (for safe handling and minor adjustments)

Please also ensure that the location has enough clearance and access for the crate dimensions listed below. This is essential for smooth delivery, installation, and indoor movement of the components.

Logistics & coordination

- Verify that all equipment and crate dimensions are compatible with the delivery pathway.
- If requested, provide a brief walkthrough video of the access route to assist with planning.

Coordinate and confirm the following:

- Applicable taxes, tariffs, and bond payments
- Power of Attorney (POA) for the customs broker (for international shipments)
- Delivery window and designated on-site contact
- Scheduling of forklift and labor support
- Installer arrival timing
- Packaging and debris removal arrangements

Crate and debris disposal

- Equipment will be delivered in one or more large crates with internal protective packaging.
- Plan in advance for the disposal of materials such as wood, foam, polystyrene, bubble wrap, and plastic film.
- If in-house disposal is not feasible, arrange for third-party waste management services.

Crate Dimensions

System	# of Crates	Crate #	Length (cm / in)	Width (cm / in)	Height (cm / in)
ZEUGMA	1	1	230 cm / 90.6 in	226 cm / 89.0 in	222 cm / 87.4 in
PETRA	1	1	230 cm / 90.6 in	226 cm / 89.0 in	222 cm / 87.4 in
TROJAN	1	1	230 cm / 90.6 in	226 cm / 89.0 in	222 cm / 87.4 in
APEX	1	1	230 cm / 90.6 in	226 cm / 89.0 in	222 cm / 87.4 in
ATLANTIS	2	1	230 cm / 90.6 in	226 cm / 89.0 in	230 cm / 90.6 in
		2	150 cm / 59.1 in	150 cm / 59.1 in	230 cm / 90.6 in
MEDITERRANEAN	TBD	—	—	—	—
MATRIX	TBD	—	—	—	—

6. Doorway & passageway requirements

Consider the measurements below and provide a detailed floor plan with the dimensions of your space to ensure proper fitment.

Requirement	Minimum Dimensions (Metric)	Minimum Dimensions (Imperial)
Main Doorway Width	800 mm	31.5 inches
Passageway 1 Width	850 mm	33.5 inches
Other Door 1 Width	850 mm	33.5 inches
Stairway Width	1000 mm	39.4 inches



Standard door sizes by location

Ensure your facility meets the minimum width for proper module passage. Add at least 20-50 mm extra space for maneuverability.

Country	Typical Door Width (Metric)	Typical Door Width (Imperial)
USA / Canada	813-914 mm	32-36 inches
UK / Ireland	762-838 mm	30-33 inches
Europe (General)	800-900 mm	31-35 inches
Australia / NZ	820-920 mm	32-36 inches
India / South Africa	700-900 mm	28-35 inches



Installation floor space requirements

Ensure that your facility meets these minimum space requirements for successful installation. Our design team can prepare a layout for the hyperbaric system to adapt to your available space.

Hyperbaric System	Required space (Metric)	Required space (Imperial)
ZEUGMA	5500 mm x 2800 mm	18'0" x 9'2"
ATLANTIS	4400 mm x 3000 mm	14'5" x 9'10"
MEDITERRANEAN	6000 mm x 3500 mm	19'8" x 11'6"
TROJAN	4500 mm x 2600 mm	14'9" x 8'6"
PETRA	5500 mm x 2800 mm	18'0" x 9'2"
MATRIX	5500 mm x 3000 mm	18'0" x 9'10"
MATRIX PLUS	6000 mm x 3500 mm	19'8" x 11'6"

See the floor plans recommendations at the end of this document.

7. Staff training & post-installation

Consider the measurements below and provide a detailed floor plan with the dimensions of your space to ensure proper fitment.

Requirement	Details
Training availability	Client staff should be available post-installation for training. Confirm if training will occur on install day or via virtual/on-site session
Number of trainees	At least 2 persons recommended
Language requirement	At least one English-speaking staff member

Staff training and chamber operation

- Assign 1-2 trained users for system operation and upkeep
- Ensure internet/Wi-Fi access for systems requiring remote updates or support

8. Electrical requirements



Electrical load calculation

Each hyperbaric chamber has several components, each consuming a specific amount of power.

Component	Voltage	Amperage	Power	Frequency
Electric Panel	220V	4A	1.0 kW	50 Hz
Chiller Unit	220V	9A	1.8 kW	50 Hz
Oxygen Generator	220V	8A (2.2 HP)	1.8 kW	50 Hz
Compressor (2 HP)	220V	8A	2.7 kW	50 Hz
Compressor (4 HP)	220V	14A	2.7 kW	50 Hz
Compressor (6 HP)	220V	16A	2.7 kW	50 Hz

Power consumption per hyperbaric system

Each hyperbaric setup includes:
- 1 Main Unit
- 1 Compressor
- 1 Chiller Unit
- 1-4 Oxygen Generators (based on number of seats)
- 2 or more Transformers (depending on system size)

Power calculation formula

To estimate total electrical load, we're using the following formula:
Total Power (kW) = Electric Panel (1.0 kW) + Chiller Unit (1.8 kW) + (1.8 kW × number of Oxygen Generators) + Compressor (2.7 kW)

System	Seats	Oxygen concentrators	Power (KW/H)	Plugs	Transformers	Plug Rating
ZEUGMA	1	1	7.3	2	2	220V / 20A per plug
TROJAN	1	1	7.3	2	2	220V / 20A per plug
PETRA	1	1	7.3	2	2	220V / 20A per plug
ATLANTIS	2	2	9.1	2	2	220V / 30A per plug
MEDITERRANEAN	4	4	13.9	3	3	220V / 30A per plug
GIZA	4	4	13.9	3	3	220V / 30A per plug
MATRIX	1	1	7.3	TBD	TBD	TBD
MATRIX PLUS	2	2	9.1	TBD	TBD	TBD

Considerations

While the power consumption calculations provide a reliable baseline, it's important to understand that real-world energy use may vary slightly depending on factors like compressor type, startup loads, and installation conditions.

For simplicity, we've used the same power rating (2.7 kW) across all compressors, even though the models (2 HP, 4 HP, 6 HP) differ in horsepower and amperage. This standardization helps with estimating average system load but may not reflect the exact peak draw or efficiency.

We recommend **consulting with an electrician** or facility engineer during installation to account for:
- Local voltage fluctuations
- Startup surge currents (especially for compressors)
- Power supply limitations or backup system sizing

This approach ensures safe and optimal operation of your hyperbaric system – especially in residential or mixed-use environments.

General notes:

- Position outlets within 3-5 feet (0.9-1.5 meters) of transformers
- Place the equipment on a ventilated, stable surface
- Confirm dedicated circuits where required
- Complete and test all electrical work before delivery

Electrical connection types

Ensure that your facility has the appropriate electrical infrastructure to support the selected chamber. Indicate the plug types according to your region.

Region	Plug Type	Voltage / Frequency
Europe	Type C, E, F	230V / 50Hz
USA / Canada	Type A, B	120V / 60Hz
UK / Ireland	Type G	230V / 50Hz
Australia / New Zealand / China	Type I	230V / 50Hz
India / South Africa	Type D, M	230V / 50Hz
Switzerland / Liechtenstein	Type J	230V / 50Hz
Denmark / Greenland	Type K	230V / 50Hz
Italy / Chile	Type L	230V / 50Hz
Mexico	Type A, B	127V / 60Hz
Bahamas	Type A, B	120V / 60Hz
Thailand	Type A, B, C, O	220V / 50Hz
United Arab Emirates	Type G	230V / 50Hz

HpoTech support team

Contact information

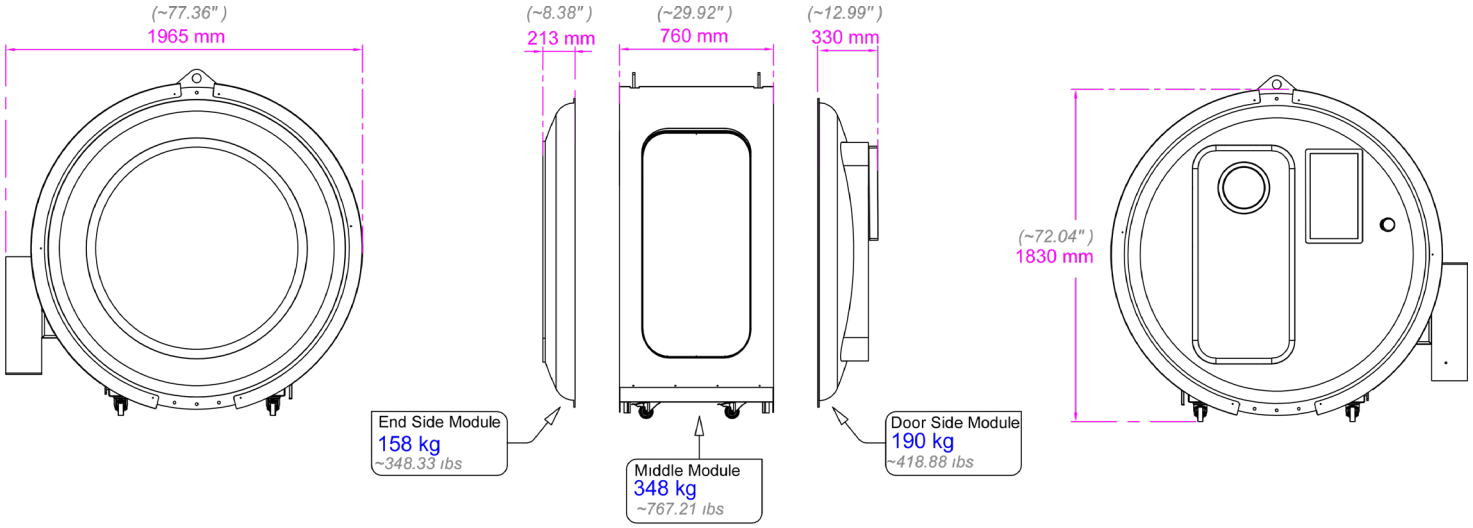
Contact our team to maintain communication before, during, and after installation. They will be your primary points of contact after acquiring your hyperbaric system.

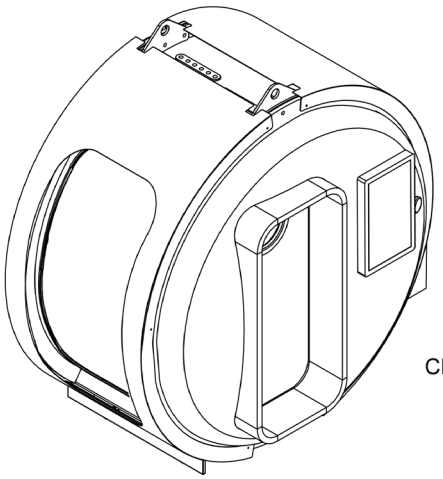
Role	Name	Email	Telephone (prefix)
Installation & After-Sales Manager	Serdar GÜVEN	service@hpotech.com	+905439315454
Installation & After-Sales Manager USA	Shawn DEAN	shawn@hpotech.com	+1 (989) 306-3253
Installation Team Member 1	Savaş TÜRELI	technical.service@hpotech.com	+90 533 018 76 12
Installation Team Member 2	Daniel STAMATE	daniel@hpotech.com	+40 757 947 700

9. Technical plans

ZEUGMA (1 seat)

Modularity and chamber weight





CHAMBER WEIGHT

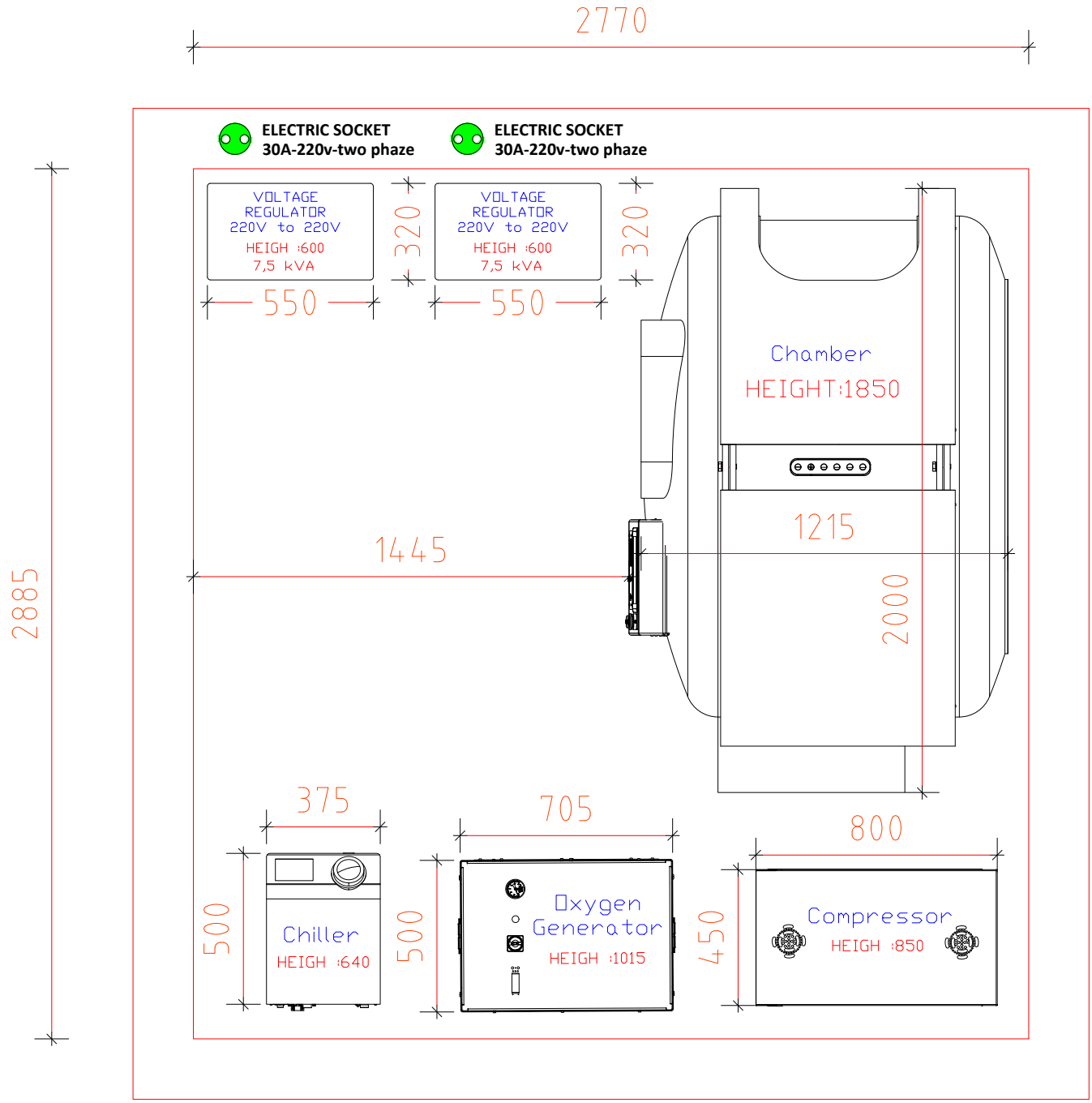
ALL EQUIPMENT

~806 kg

~1776.75 ibs

ZEUGMA (1 seat)

Technical plans - electrical and installation space sizes US

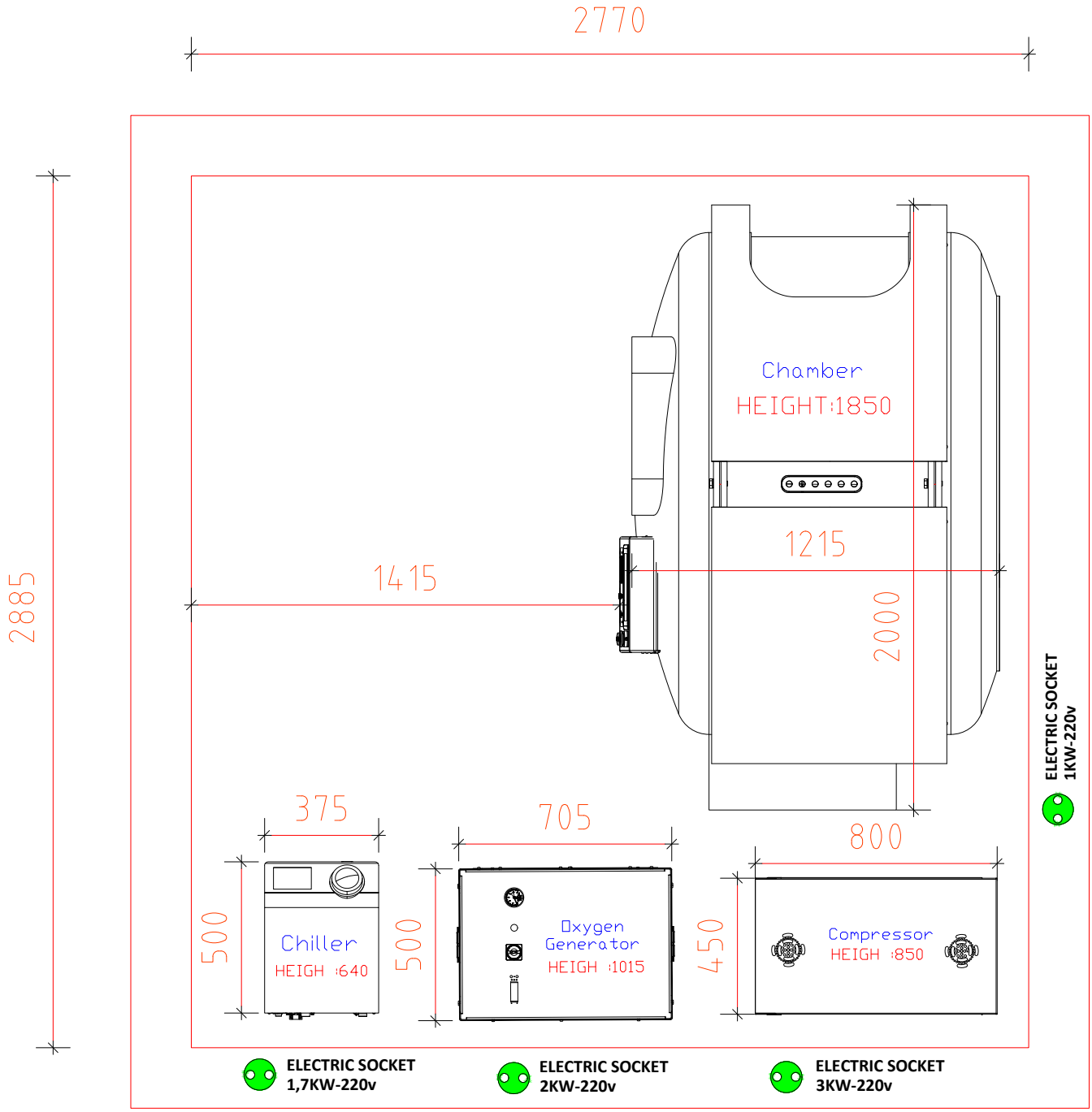


A ventilation system or a window opening to the outside is required for air circulation of 750 LPM. !!!

All devices emit heat to the environment with a total of 7 kW. The ambient temperature should not exceed a maximum of 26 degrees Celsius. !!!

ZEUGMA (1 seat)

Technical plans - electrical and installation space sizes EU

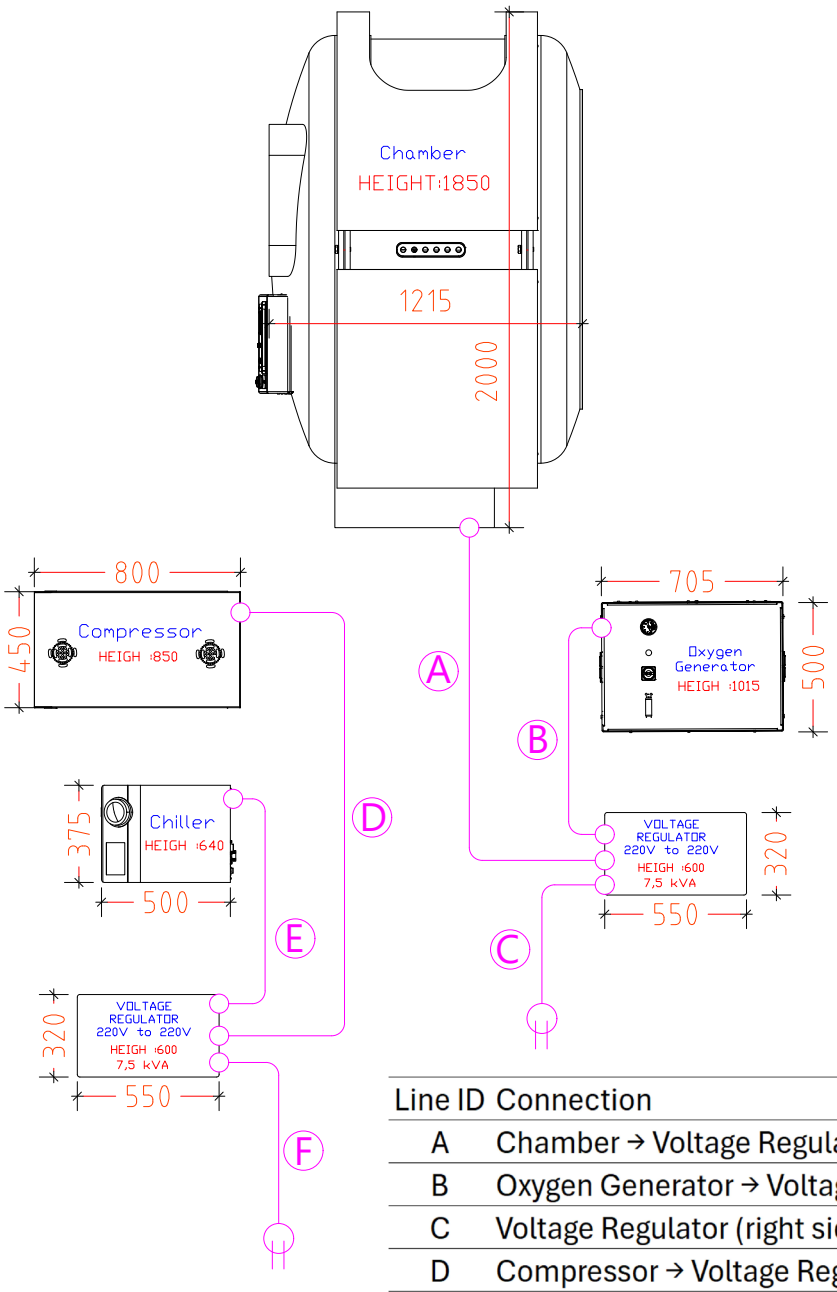


A ventilation system or a window opening to the outside is required for air circulation of 750 LPM. !!!

All devices emit heat to the environment with a total of 7 kW. The ambient temperature should not exceed a maximum of 26 degrees Celsius. !!!

ZEUGMA (1 seat)

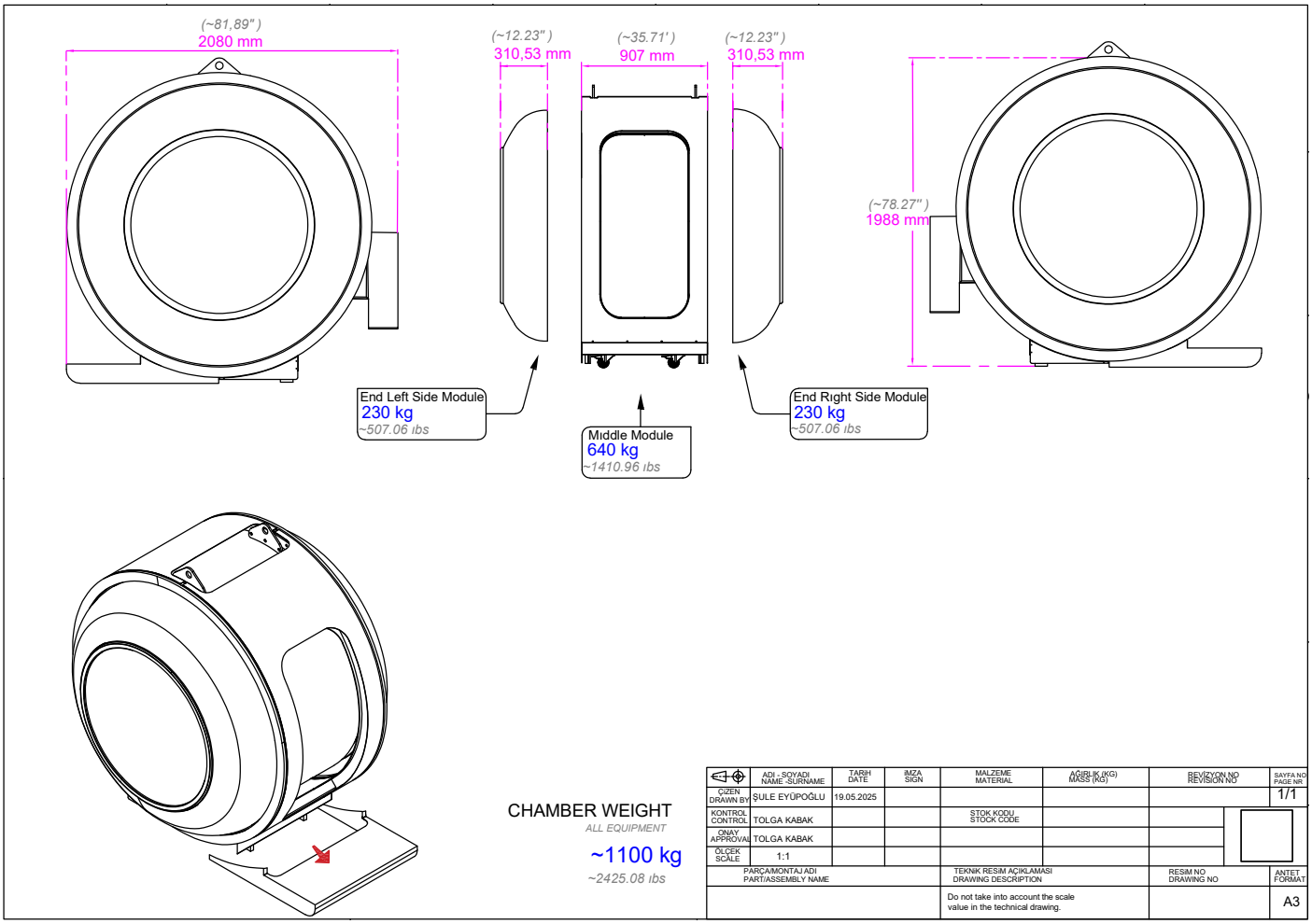
Cable length simulation



Line ID	Connection	Cable Length
A	Chamber → Voltage Regulator (left side)	5 meters
B	Oxygen Generator → Voltage Regulator (right side)	5 meters
C	Voltage Regulator (right side) → Building Socket	3 meters
D	Compressor → Voltage Regulator (left side)	5 meters
E	Chiller → Voltage Regulator (left side)	5 meters
F	Voltage Regulator (left side) → Building Socket	3 meters

PETRA (1 seat)

Chamber weight simulation



CHAMBER WEIGHT

ALL EQUIPMENT

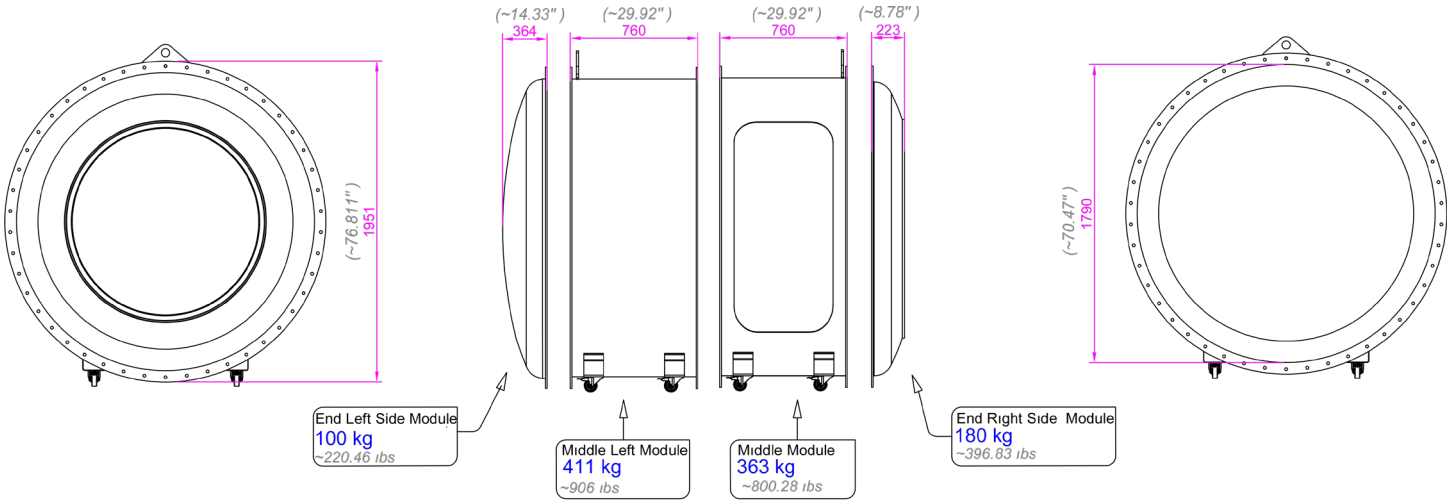
~1100 kg

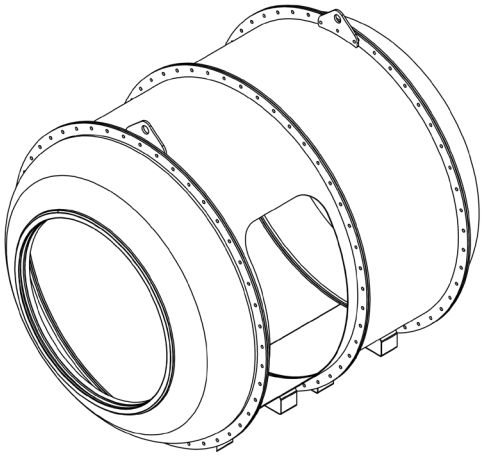
~2425.08 ıbs

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ATLANTIS

Chamber weight simulation





CHAMBER WEIGHT

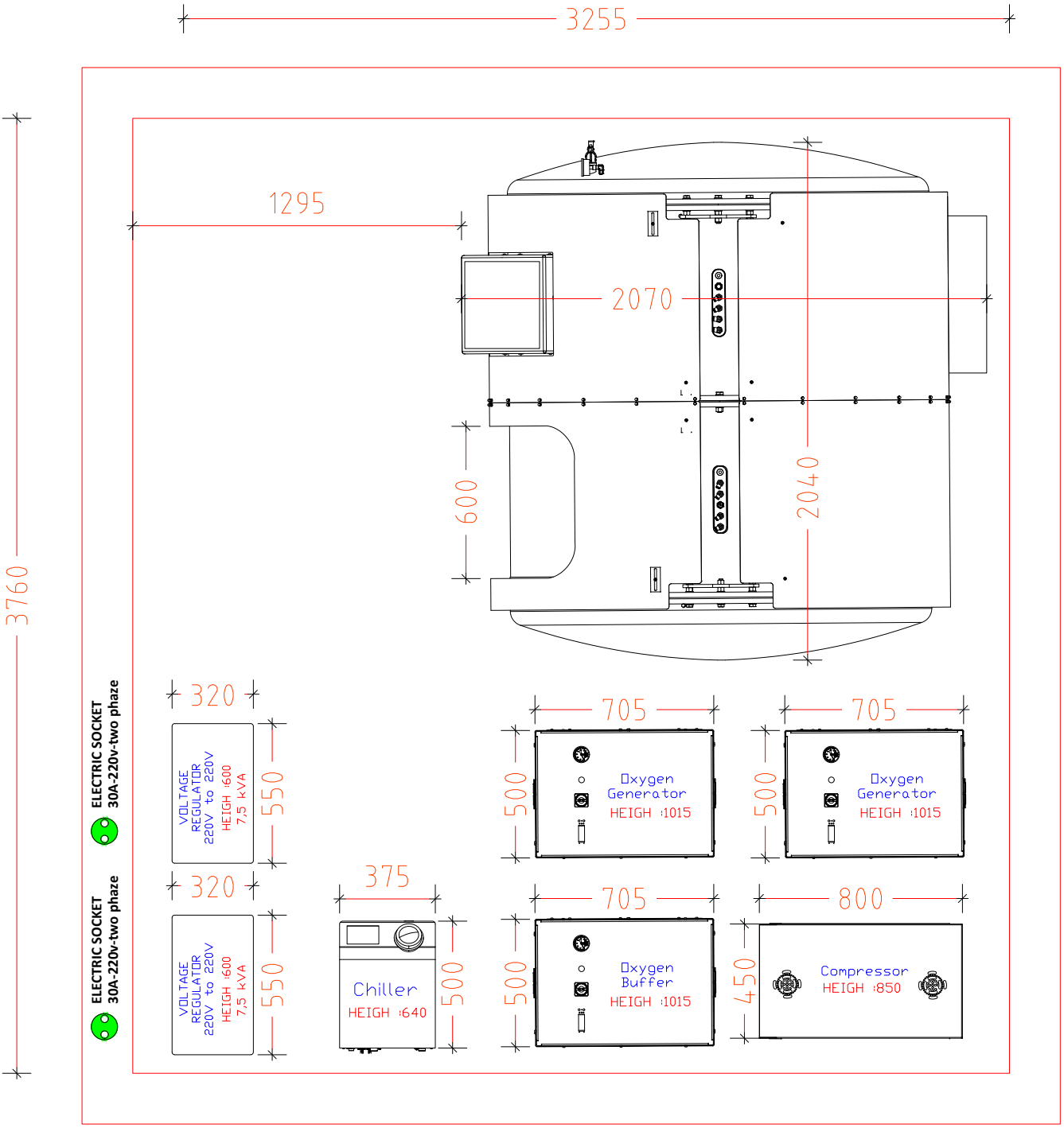
ALL EQUIPMENT

~1054 kg

~3726.82 lbs

ATLANTIS (2 seats)

Technical plans - electrical and installation space sizes US

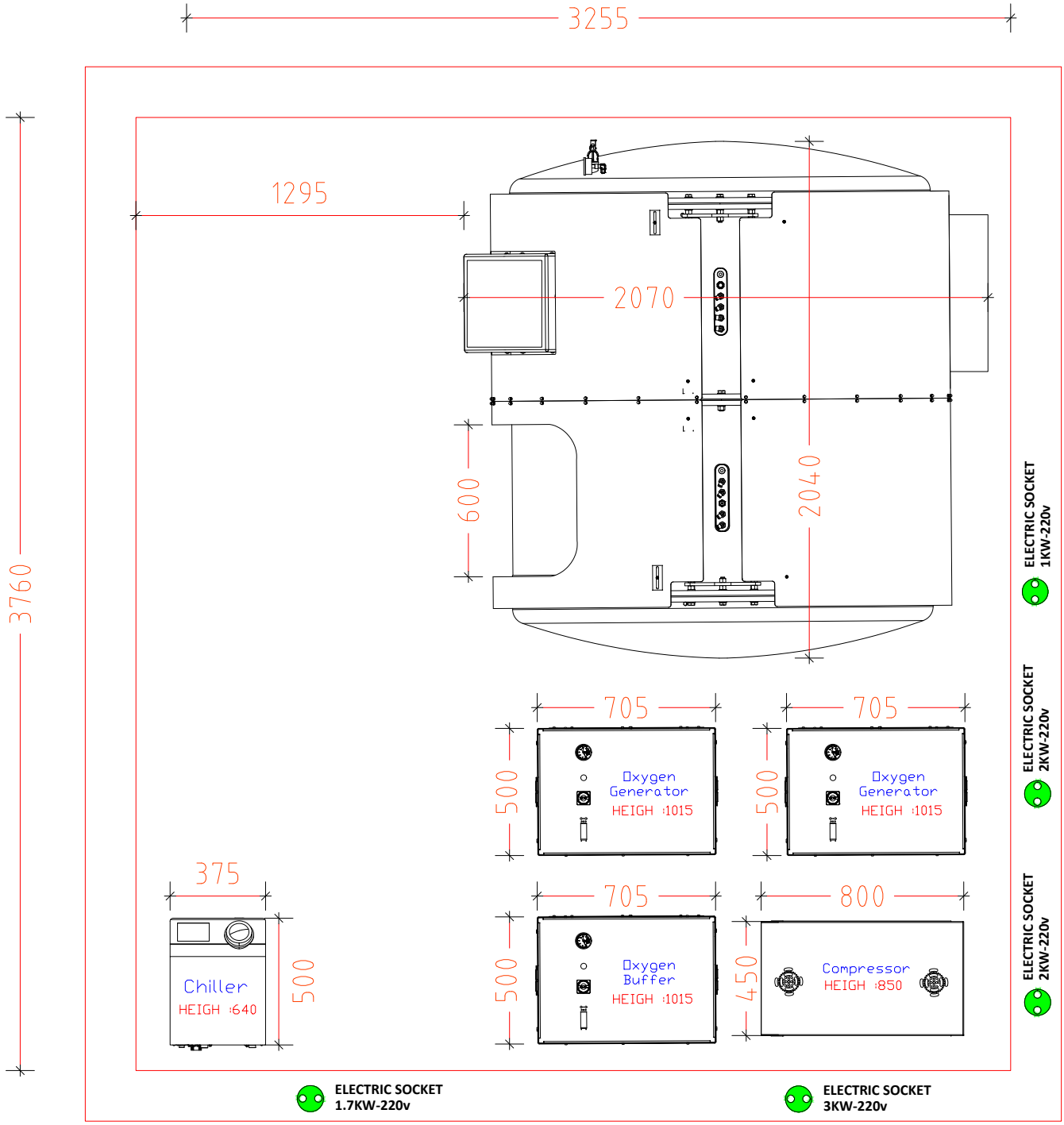


A ventilation system or a window opening to the outside is required for air circulation of 1000 LPM.!!!

All devices emit heat to the environment with a total of 8 kW. The ambient temperature should not exceed a maximum of 26 degrees Celsius.!!!

ATLANTIS (2 seats)

Technical plans - electrical and installation space sizes EU

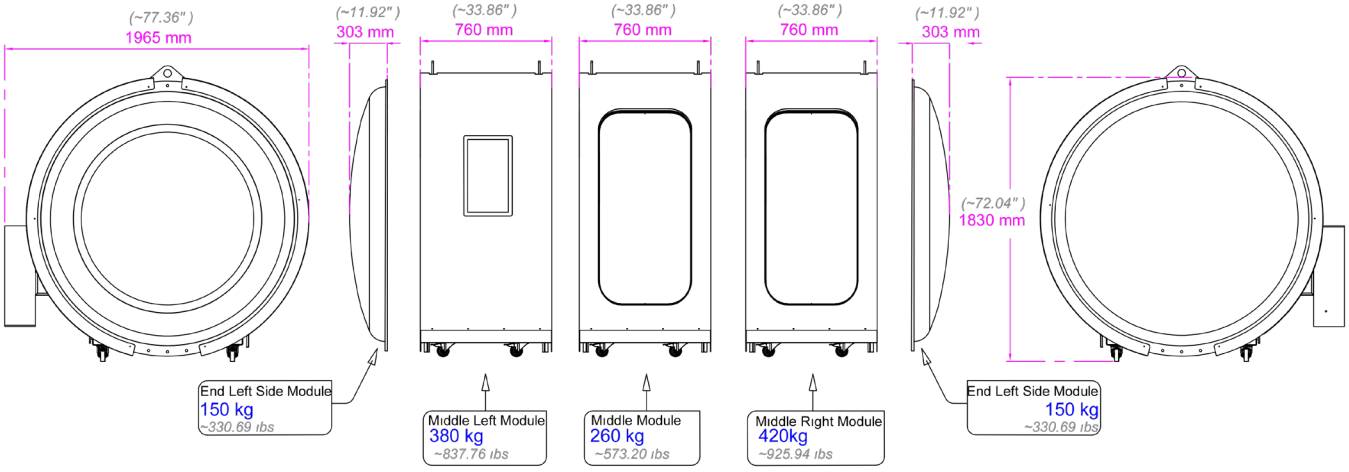


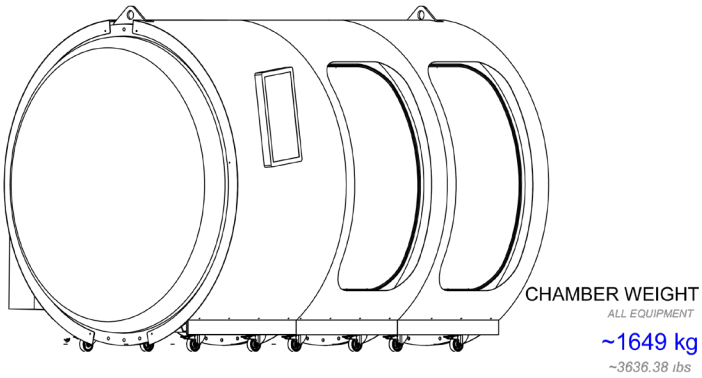
A ventilation system or a window opening to the outside is required for air circulation of 1000 LPM.!!!

All devices emit heat to the environment with a total of 8 kW. The ambient temperature should not exceed a maximum of 26 degrees Celsius.!!!

MEDITERRANEAN (4 seats)

Chamber weight simulation



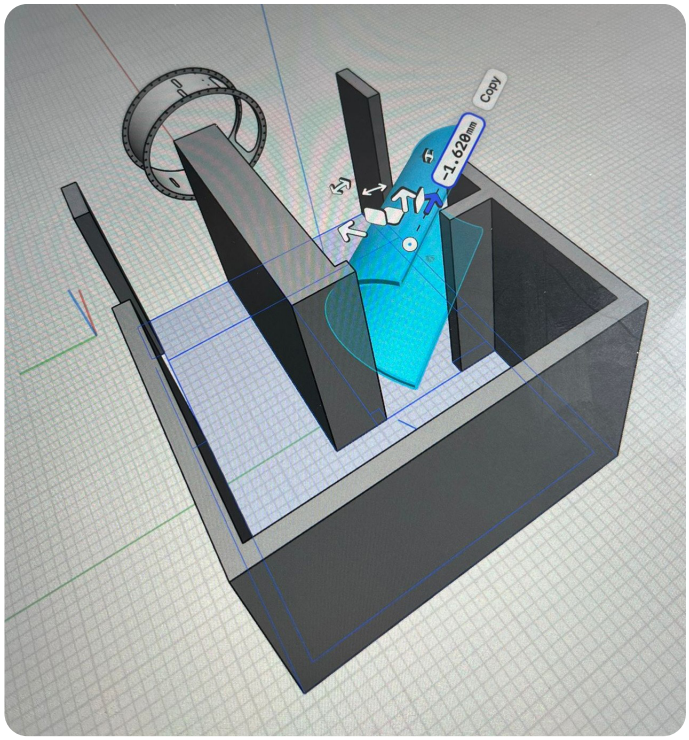


Handling considerations for the MEDITERRANEAN chamber (4 seats)

When handling the Mediterranean model, ensure that transport and access routes account for the dimensions of the largest component: the cover.

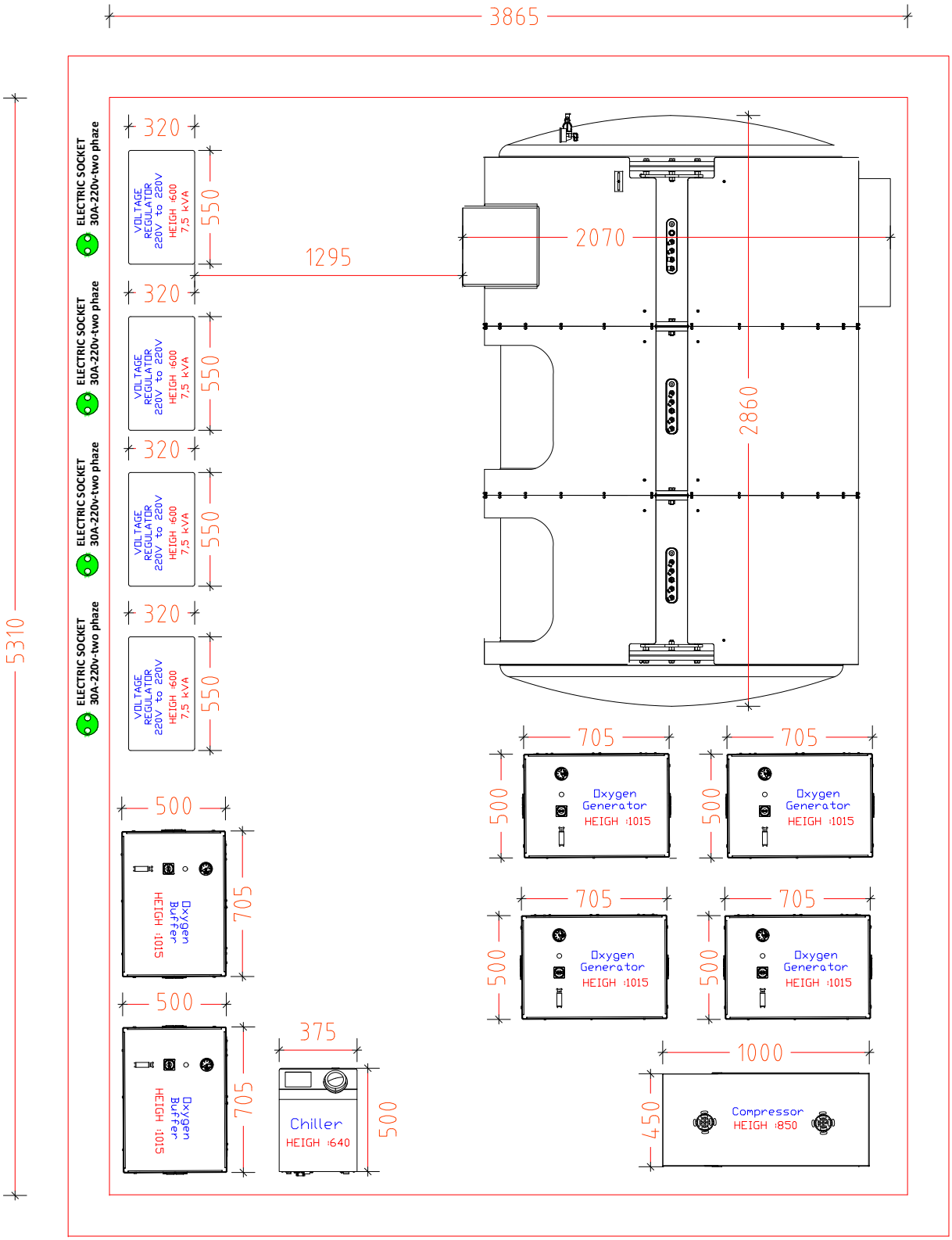
This part spans the length of three modules and, although its width is less than 31.4 inches (80 cm), its extended length can present challenges during cornering or in confined spaces.

Careful planning is required to ensure smooth handling and to avoid damage during movement through narrow corridors or tight turns.



MEDITERRANEAN (4 seats)

Technical plans - electrical and installation space sizes US

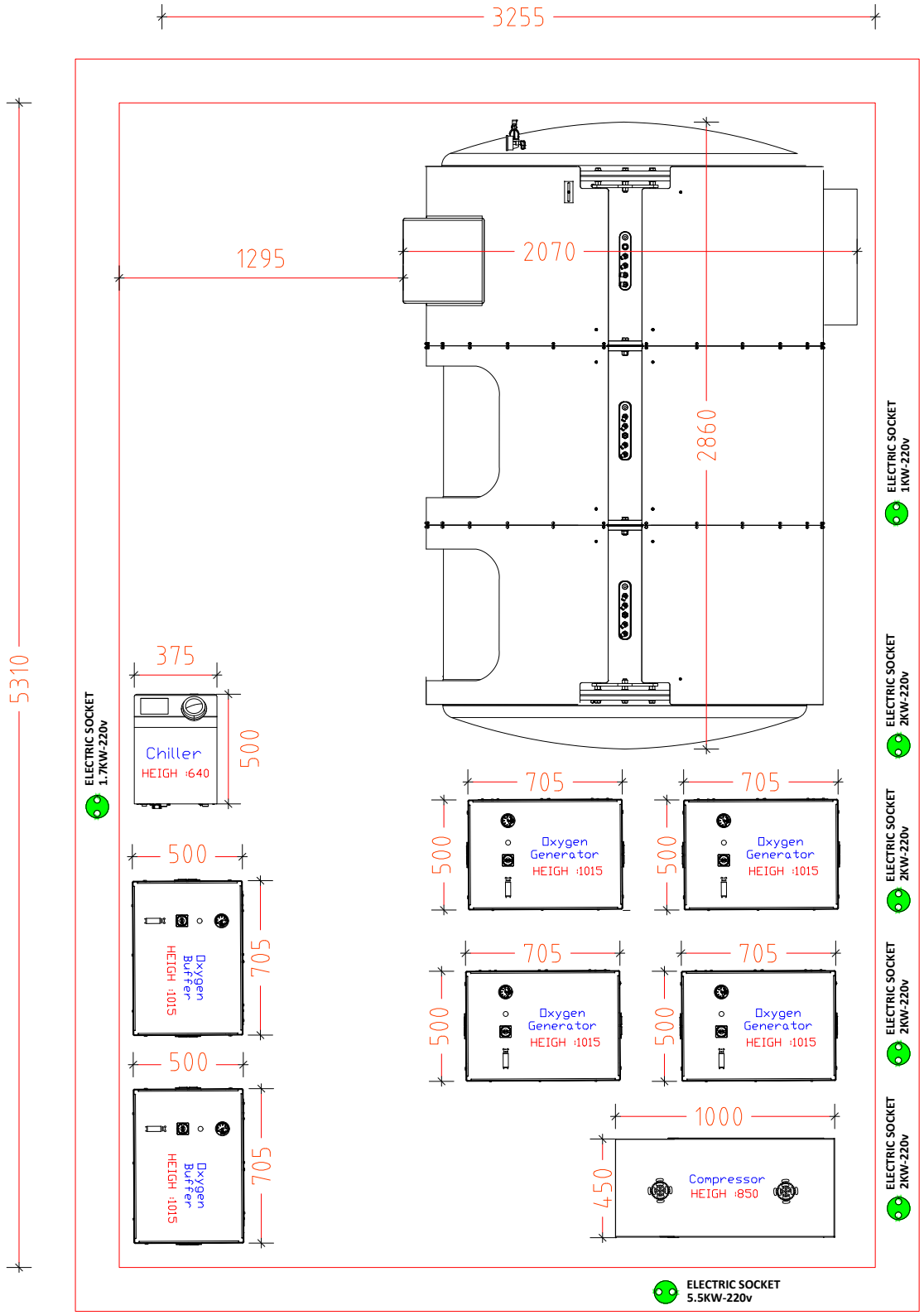


A ventilation system or a window opening to the outside is required for air circulation of 1750 LPM. !!!

All devices emit heat to the environment with a total of 15 kW. The ambient temperature should not exceed a maximum of 26 degrees Celsius. !!!

MEDITERRANEAN (4 seats)

Technical plans - electrical and installation space sizes EU

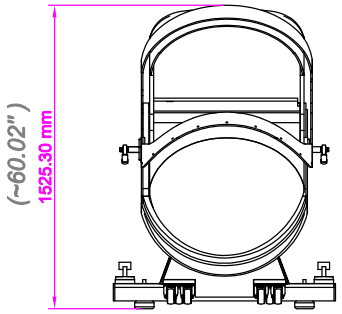


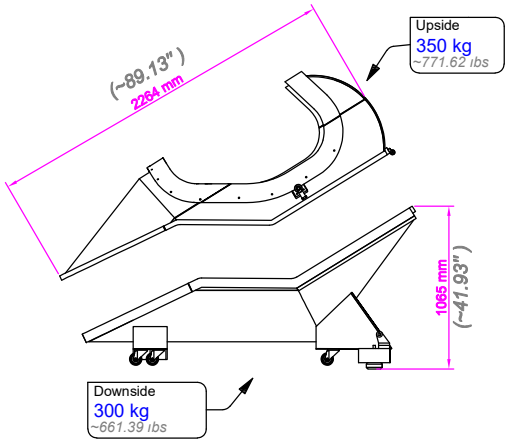
A ventilation system or a window opening to the outside is required for air circulation of 1750 LPM.!!!

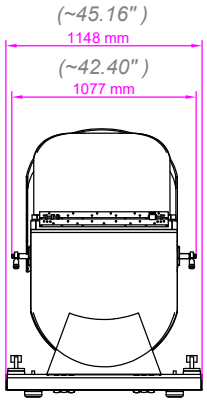
All devices emit heat to the environment with a total of 15 kW. The ambient temperature should not exceed a maximum of 26 degrees Celsius.!!!

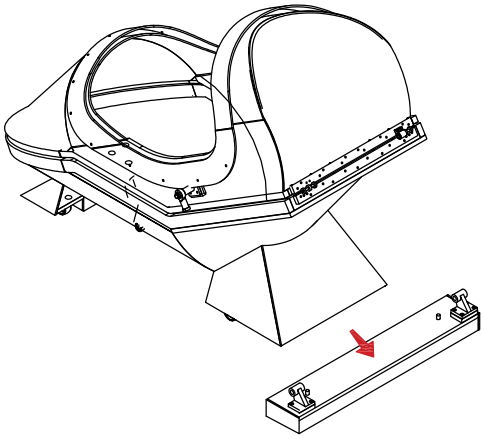
APEX (1 seat, hypobaric)

Chamber weight simulation









CHAMBER WEIGHT

ALL EQUIPMENT

~650 kg

~1433.01 lbs

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KONTROL CONTROL	TOLGA KABAK			STOK KODU STOCK CODE			
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ÖLÇEK SCALE							
PARÇA/MONTAJ ADI PART/ASSEMBLY NAME				TEKNİK RESİM AÇIKLAMASI DRAWING DESCRIPTION		RESİM NO DRAWING NO	ANTET FORMAT
				Do not take into account the scale value in the technical drawing.			A3