



KappaHub

The Turnkey Containerized Distribution System.

The KappaHub Container & Workshop is a **compact, all-in-one solution** that simplifies electrical and hydraulic connections for deck or site equipment. Housed in a standard **20" ISO container**, it features a powerful double hydraulic power unit supplying up to 8 pieces of equipment (winches, tools, etc.), controlled locally via PVG valves or remotely via radio. The integrated electrical cabinet powers internal systems and provides extra breakers for external devices in 400/440 V or 230 V. **A single electrical connection** makes the KappaHub fully operational, with 30 m of 185 mm² main power cable supplied for instant, hassle-free hookup on deck or site.

The KappaHub features a **robust double hydraulic power unit** with two 37 kW motors (1500 rpm) driving air-cooled piston pumps (no external water or ventilation connection required) with load-sensing pressure compensation. It delivers 200 bar (2900 PSI), includes a 600 L oil tank, and provides 8 PVG32 outputs for precise multi-consumer control.

The KappaHub Container includes **practical interior features**: a workbench with tool organizer on the wall, a storage cabinet, and **dedicated safety elements** such as an internal fire detector and an oil retention tray under the HPU units. Waterproof penetrations and external interface panels (hydraulic and electrical) allow **easy, reliable connections** without opening the container doors unnecessarily. An external PVG panel provides convenient access for manual operation.

The KappaHub Container comes fully equipped with a comprehensive set of ready-to-use electrical cables and hydraulic hoses, allowing **immediate and secure connections to deck equipment** without the need for additional sourcing or on-site preparation. This complete package saves valuable time during mobilization and setup, reduces logistical complexity, and ensures **reliable power and fluid transfer from day one** — whether connecting winches, tools, or other hydraulic and electrical devices.

Built on a standard ISO 20" container footprint, the HUB is designed for **easy transport, rapid deployment, and seamless integration** on any vessel or site. Its compact external dimensions and lightweight construction (gross weight 2,250 kg) make it simple to handle and position, while the robust build supports heavy loads up to 28,000 kg. This combination of **portability and durability** means faster project start-up, lower mobilization costs, and dependable performance even in demanding offshore environments.

Detailed technical specifications and layout drawings are provided on the following pages.

ENGINEERED BY KAPPA
OFFSHORE SOLUTIONS

INTEGRATED POWER
& DISTRIBUTION

SAFE & PRACTICAL
DESIGN

READY-TO-USE
DECK CONNECTIONS

COMPACT & ROBUST
CONSTRUCTION

DIMENSIONS

- **Standard ISO 20''.**
- External: 6.05 m x 2.45 m x 2.60 m (L x l x H).
- Internal: 5.90 m x 2.35 m x 2.40 m (L x l x H).
- Gross weight: 2250 kg.
- Maximum load: 28000 kg.

EQUIPMENT

- **Internal fire detector.**
- Oil retention tray under HPU units.
- Work bench & tool organizer.
- Storage cabinet.
- **External hydraulic & electrical interface panels.**
- External PVG panel.



ELECTRICAL DISTRIBUTION

- Input: 400 V, 50/60 Hz, 630 A.
- **Total output : 400/440 V, 50/60 Hz, 250 kW.**
- Single outputs (breakers) :
 - 3 x 400 V, 50/60 Hz, 130 A (Q1, Q2, Q3).
 - 2 x 400 V, 50/60 Hz, 63 A (Q4, Q5).
 - 1 x 230 V, 50/60 Hz, 63 A (Q83).

ELECTRICAL CABLES AVAILABLE

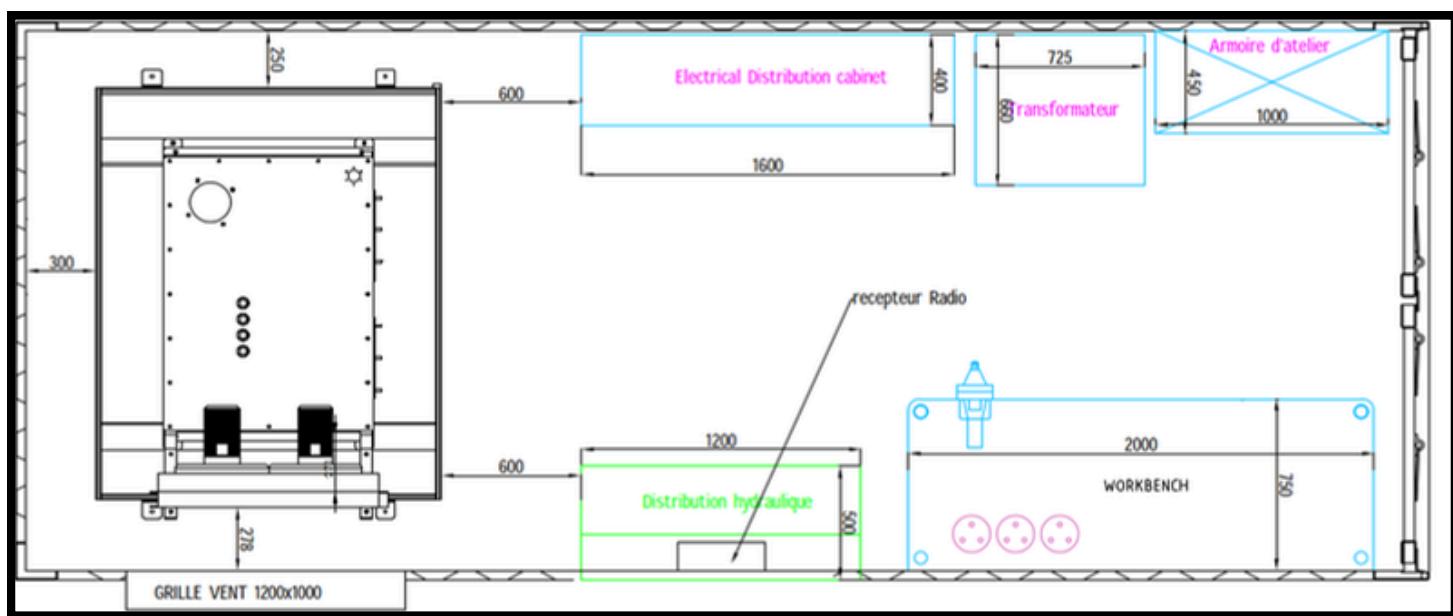
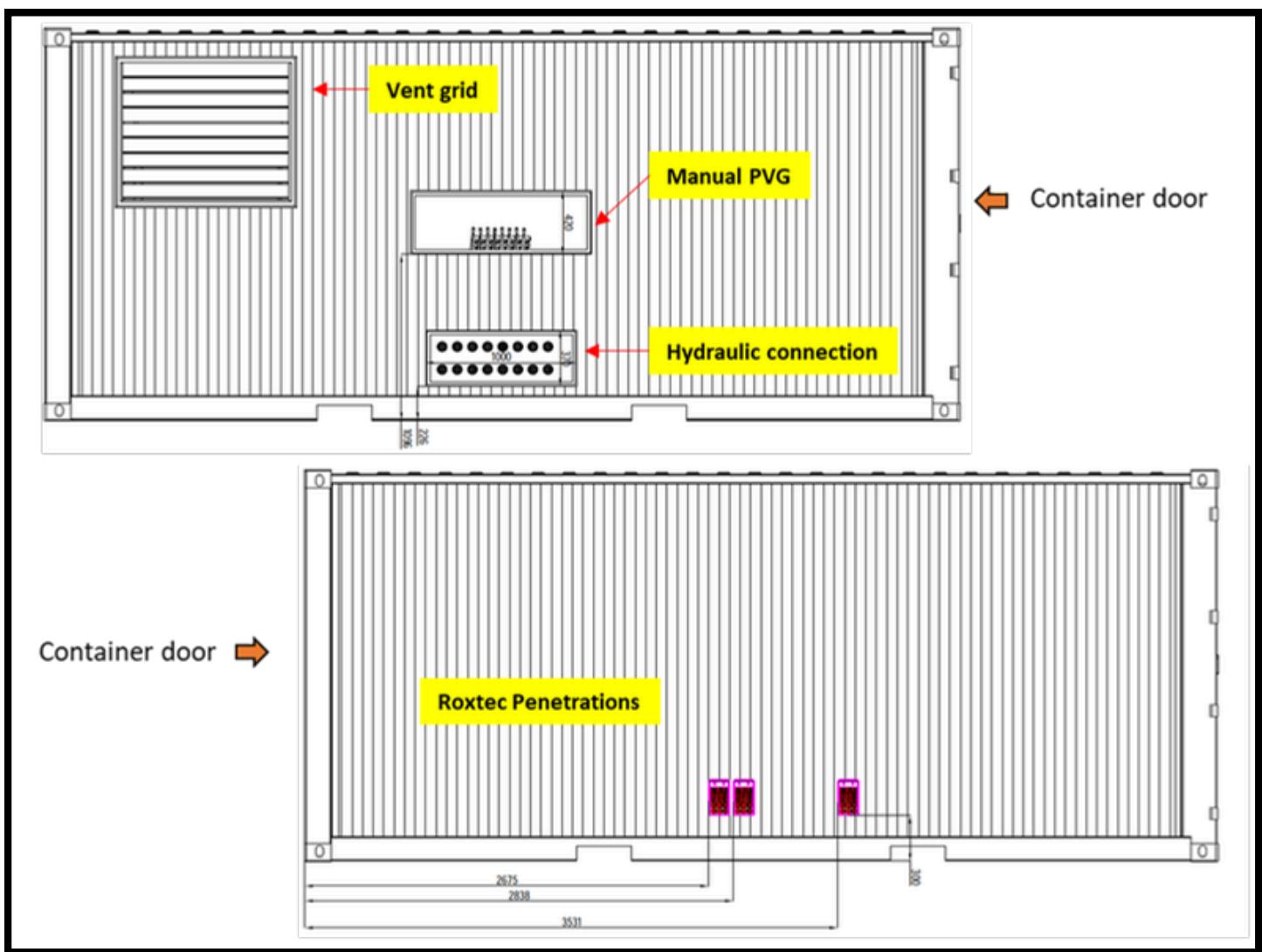
- Main power :
 - 4 cables H07RN-F 1G185 mm², length 31 m
- Power distribution :
 - 3 cables H07RN-F 4G50 mm²
lengths : 20.9 m ; 17.1 m ; 14.4 m
 - 3 cables H07RN-F 4G16 mm²
lengths : 20.5 m ; 18.2 m ; 18.2 m
 - 1 cable H07RN-F 3G4 mm², length > 25 m

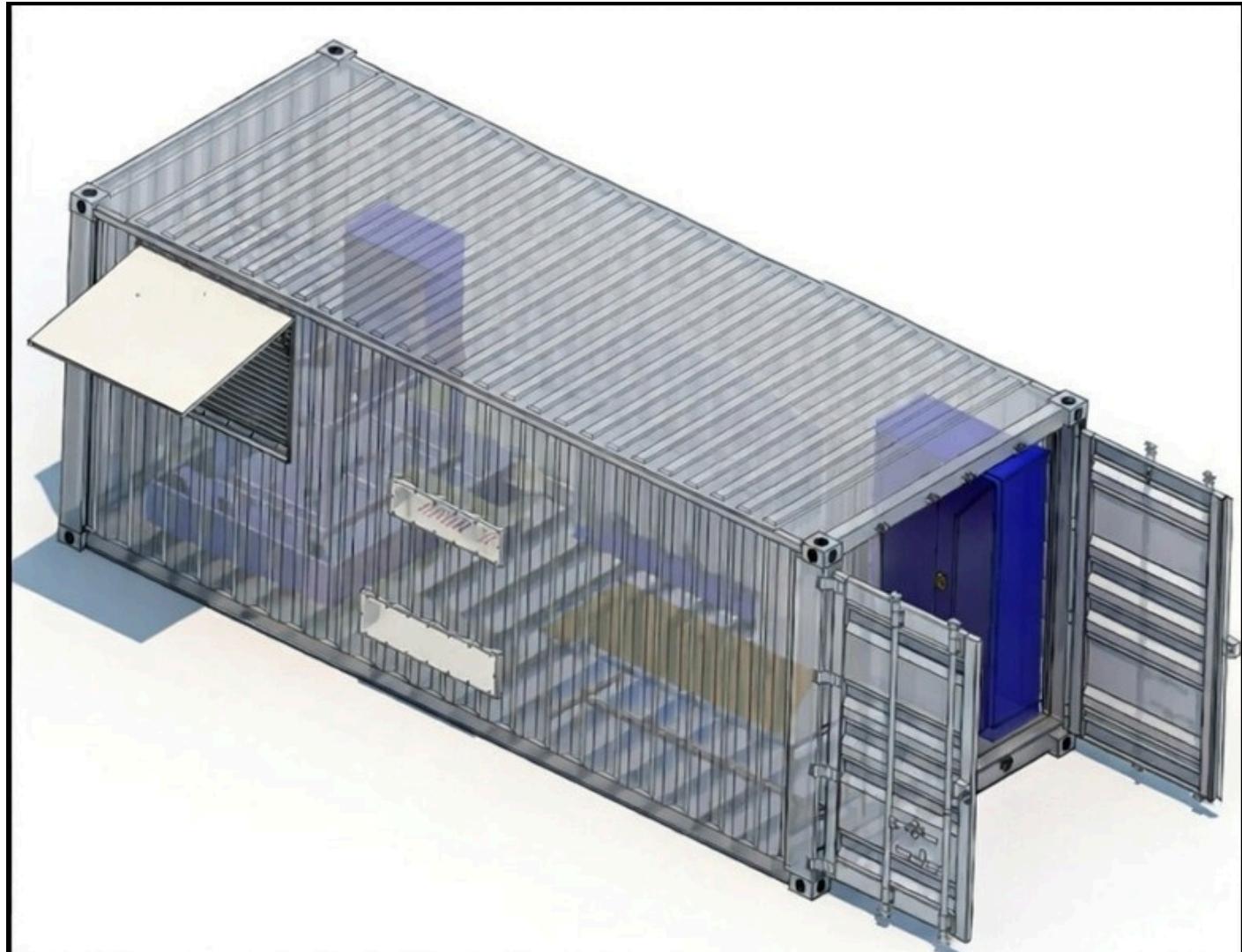
HYDRAULIC POWER UNIT

- Motors: 2 x 37 kW, 1500 rpm
- Pumps: 2 x axial piston pumps with LS pressure compensator
- Operating pressure: 200 bar (2900 PSI)
- Oil tank: 600 litres
- **Hydraulic outputs: 8 x PVG32 proportional sections**

HYDRAULIC FLEXIBLES AVAILABLE

- Hoses 1" (DN25), WP 280 bar / 4060 PSI (4 hoses)
 - 2 hoses with straight fittings
lengths: 28.4 m ; 24.4 m
 - 2 hoses with 1 straight fitting + 1 x 90° fitting
length: 21 m
- Hoses ¾" (DN19), WP 215 bar / 3120 PSI (4 hoses)
 - 4 hoses with straight fittings
length: 28.4 m each
- Hoses ½" (DN12), WP 160 bar / 2320 PSI (6 hoses)
 - 2 hoses with 1 straight fitting + 1 x 90° fitting
length: 6.5 m
 - 4 hoses with straight fittings
lengths: 17.5 m ; 10.4 m ; 5.9 m ; 5.5 m





One pre-built KappaHub unit is available immediately (as of 01/02/2026).

Kappa Offshore Solutions is a marine engineering company, specialized in offshore seismic data acquisition. Since its inception in 2012, Kappa Offshore Solutions delivered more than 200 projects in more than 30 countries, providing technical assistance services and seismic equipment for major clients in the Oil & Gas, Defense, Maritime and Oceanographic Research industries.

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