Seaeye Panther XT Plus TMS

Technical data sheet

bluestream

Seaeye Panther-XT Plus TMS

The Seaeye Panther-XT Plus is a compact work class vehicle, featuring a versatile platform for subsea intervention tasks. In contrast to the 'standard' Panther-XT, the Panther-XT Plus features a double amount of horizontal thrusters. The high thrust capabilities in relation to its size makes this the ultimate vehicle for operating in harsh environmental conditions with strong currents.

The Panther-XT Plus is equipped with a 4-function grabber and a dexterous 7-function manipulator from the Schilling Orion manipulator range. This configuration allows the vehicle to perform rough and heavy operations or fine coordinated manipulation tasks.
Bluestream's Panther XT Plus systems are equipped with a B/W and colour camera and a multibeam imaging sonar (acoustic camera) as standard.

The vehicle's tooling HPU, in combination with large EPODs with fibre optic communications, makes it an ideal platform for a wide range of subsea tooling and survey sensors.

- Strong current operations;
- Subsea intervention;
- (Heavy) hydraulic tooling;
- Extensive interfacing possibilities.

The Panther-XT Plus system exist out of three separate units, making it easy to transport and mobilise. The control cabin is housed in a 20 ft container that provides everything for controlling the ROV and auxiliary equipment. Additionally it contains an office space for system documentation and project reporting.

The ROV and its TMS system are deployed from a 20 ft A-frame Launch and Recovery System. This frame contains all the equipment required for launch and recovery of the ROV including umbilical winch and HPU.

For ROV maintenance and eventual modification and repairs the system is provided with a 15 ft workshop container. This unit contains spares and consumables for maintenance of the ROV according to the preventive maintenance system, and also provides the ROV team with a complete set of tools and materials for ROV modification and repair.

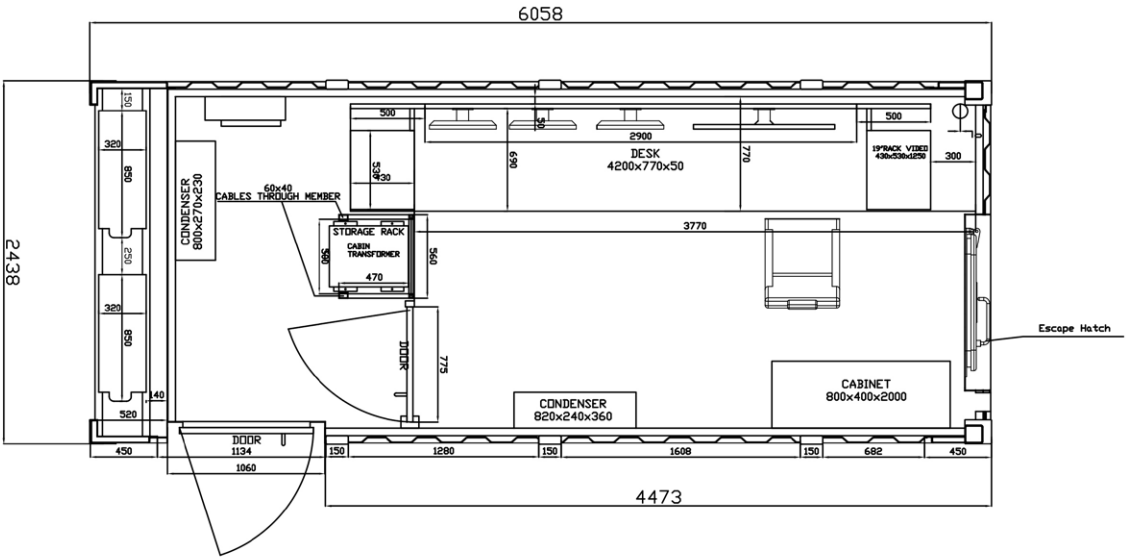
Saab Seaeye Panther-XT Plus	
Depth rating	1.000 msw
Length	2.140 mm
Width	1.060 mm
Height	1.217 mm
Launch weight	825 kg
Forward speed	4 knots
Thrust forward	353 kgf
Thrust lateral	248 kgf
Thrust vertical	105 kgf (std)
Payload	150 kgf

Standard equipment
4-Function manipulator
7-Function manipulator
Altimeter
B/W and colour camera
Compass
Depth sensor
Dimmable lights
Multibeam imaging sonar
Obstacle avoidance sonar
Tooling HPU

Optional equipment
Additional vertical thruster
Cable/pipe tracker
Class 1-4 torque tool
Cutters (rotary, scissor, anvil, etc.)
HD or 4K camera and recording
Magnetic survey system
Multibeam echosounder
Various survey sensors

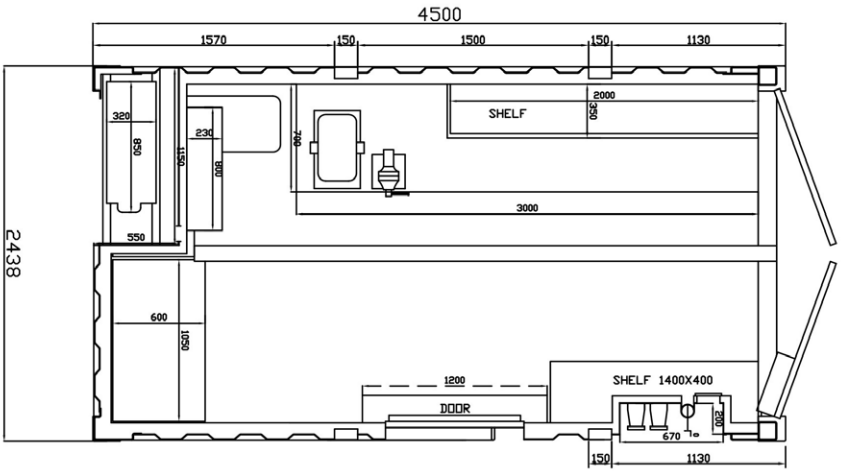
Control container

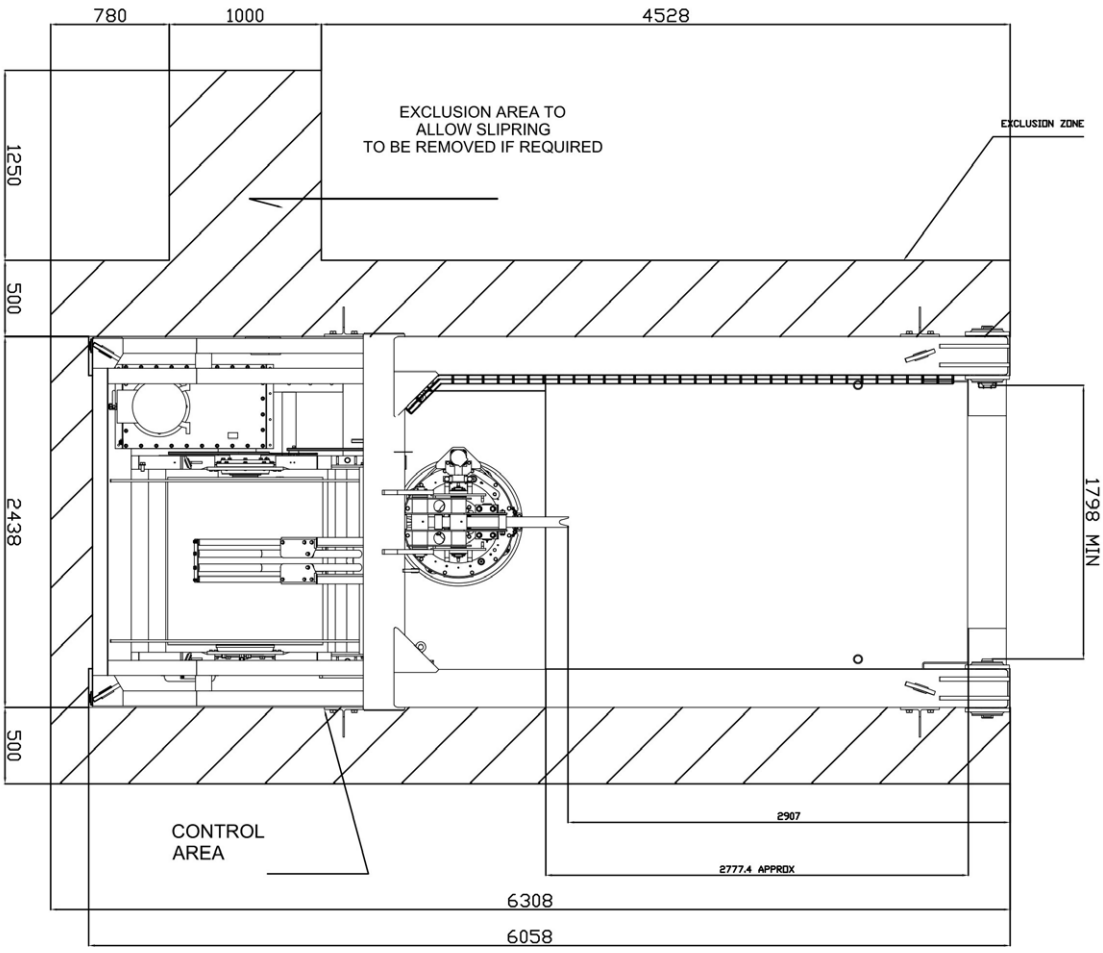
Dimensions	L 6,06 m x W 2,44 m x H 2,59 m (20 ft container)
Gross weight	10.000 kg
Facilities	Video wall, air conditioned, recording suite and reporting equipment
Power requirements	400/440 VAC, 50/60 Hz, minimum 125 A
Power lead	20 m (standard)



Workshop & spares container

Dimensions	L 4,50 m x W 2,44 m x H 2,59 m (15 ft container)
Gross weight	15.500 kg
Power requirements	400/440 VAC, 50/60 Hz, minimum 32 A
Power lead	20 m (standard)



Launch & recovery

Dimensions	L 6,06 m x W 2,44 m x H 3,20 m (20 ft container footprint)
Gross weight	17.500 kg
Launch weight	2.200 kg including ROV
Features	Snubber system, 1.100 m main lift capacity
Power requirements	400/440 VAC, 50/60 Hz, minimum 125 A
Power lead	20 m (standard)
Deck lead	30 m
	TMS with 200 m tether capacity