



Subsea Tooling Services Range of Compact

Hydraulic Power Units

Subsea Tooling Services UK Ltd (STS) now offer a range of small compact ROV tooling Hydraulic Power Units (HPUs)

Our HPUs are ideal for onshore System Integration Testing (SIT) and offshore ROV tooling function testing.

All our HPUs are built to the highest standards and come in a fully certified crash frame.

Our HPUs are rated for **safe area use only**

All our HPUs come with a manufacturer's certificate of electrical compliance.

Our standard 7.5 Kw model is very popular for SIT torque tool operations as it has 3 built in directional control valves, which can run the torque tool directly from the HPU without the need for additional torque tool panels or valve packs.

Pressure & flow rate can be adjusted to suit the application.





Subsea Tooling Services 7.5 Kw Hydraulic Power Unit



- Safe Area Rated
- Compact design
- 3 x Directional position holding control valves
- Direct pressure & return outlets
- 100 Litre tank
- Visual pressure gauge
- Low noise
- Variable pressure / flow control
- Direct tank port for case drains
- Visual sight glass & temperature thermometer
- Forklift pockets
- 4 legged certified lifting bridle
- Certified lifting frame



Operational Specification

Hydraulic Flow	0 – 20 Litres per minute
Hydraulic Pressure	0 – 210 Bar (can be factory set to clients specifications)
3 Phase Electric Motor @ 50Hz	Requires 32 Amp Breaker
Earth Cable	10m Earth cable supplied (dedicated earth boss fitted to frame)
Cable	7m 4 core cable supplied (Plug to be supplied on clients request)
Weight	600 Kg with full tank of oil
Hydraulic Capacity	100 Litres
Operating Oil	Shell Tellus 22 / 32 (Depending on client requirements)
Dimensions of HPU L x W x H	1000mm x 800mm x 1300mm
Rigging	4 x 1000mm slings to master link 4 x 4.75Ton shackles
Certification	Fully certified frame and lifting rigging
Oil Cooler	Fresh water heat exchanger c/w crows foot inlet / outlet fittings

The STS 7.5 Kw Compact Tooling HPU has been designed for both onshore & offshore use. Its main function is for the on deck testing of ROV tooling.

Its unique compact design means this HPU can be located either on deck or in a vessel hangar without taking up excess space.

As it can produce pressures similar to the ROV itself, most types of ROV tooling can be function tested pre or post dive.

The large oil capacity and internal tank baffles offer long running times for on deck function testing.

The HPU is fitted with 3 directional control valves for multi-function ROV tooling, it also comes with a direct pressure & return outlet for the running of hydraulic panels.

This HPU is for **safe area operation only**.

