

HYDRAULIC POWER UNIT

22kW
HPU
SYSTEM



Description

The DNV 2.7-3 certified design features a robust stainless steel frame. The HPU are fitted with a 3-section PVG which is used to test various subsea tooling prior to subsea deployment. The unit is intended for on-deck use and testing at the SIT, flushing and function testing.

The HPU includes both pressure and return filters including electrical indicators. The unit is also equipped with ports for external cardev filtration.

A built-in auto phase shifter ensures correct pump rotation and the pump's filters provide distribution of clean oil to external equipment.

Features

- Simple Connection Interface
- Integrated Transport Skid
- Compact Design
- Service & User Friendly
- Integrated Oil Cooler

Typical Operations

- Testing of subsea tooling
- Deck Testing
- Function Testing
- Flushing

SPECIFICATIONS

22KW HPU SYSTEM

General Technical Specifications

Type	Assembly HPU 22kW SS
Part Number	107946
Frame Material	AISI316L
Lifting Certification	Acc. to DNV 2.7-3
Fluid	Mineral Oil Based Fluids

* Please contact us for questions or more information regarding fluid compatibility

Weight	~1000Kg
Dimensions (L x W x H) [mm]	1300 x 900 x 1380
Operating Temperature	-10°C/ + 60°C (14°F / 122°F)

Hydraulic

Max. Output Pressure	345Bar (5.000 PSI)
Max. Output Flow	~ 50 L/Min
Pump Type	Parker PV 46CCM
Pressure Filter Element	108256
Return Filter Element	108232
Pressure Adjustments	Main and individual for PVG outputs
Reservoir Capacity	200L
Oil Level Indicator	Yes, visual
Oil Level Guard	Yes
Temperature Guard	Yes
Oil Cooler	Yes (no external water supply needed)
Pressure Gauge	Yes (on both pressure and return line)

Hydraulic Connections

Pressure	1/2 NV QC Male (1/2" BSP Female)
Tank	3/4 NV QC Male (3/4" BSP Female)
Leak Line	1/2 NV QC Male (1/2" BSP Female)
PVG Outlet 1A / 1B	1/2 NV QC Male (1/2" BSP Female)
PVG Outlet 2A / 2B	1/2 NV QC Male (1/2" BSP Female)
PVG Outlet 3A / 3B	1/2 NV QC Male (1/2" BSP Female)

Electrical

Nominal Voltage	400 VAC 3-Phase
Electrical Motor	3-Phase, 22kW, 400V, 50/60Hz, 32 Amp
Power Cable	25meter H07-RNF 5G16mm2
Power Socket	63Amp, 400V, 5-Pin (other sockets available on request)

Document References

Document No.:	Revision	Description
107946-EVX-MC-DWG-0001	A	General Assembly Drawing
107946-EVX-HY-SCH-0001	A	Hydraulic Schematic
P2748-EVX-EL-SCH-0001	A	Electrical Schematic
107946-EVX-PD-UMN-0001	A	User Manual