

HYDRAULIC POWER UNIT

COMPACT DESIGN

30/34.5 KW

DNV 2.7-1

ATEX ZONE II



Description

The Envirent 30/34.5kW HPU is designed for High Flow applications both Offshore and Onshore.

The unit is intended for on-deck use and testing at the SIT, flushing and function testing.

The HPU feature a compact design which is DNV 2.7-1 certified and ATEX Zone II approved. Multi voltage selection, 400 – 690V, make the HPU very adaptable to meet the client' needs.

Typical Operations

- ▣ Topside Tooling applications
- ▣ Hose Reel Operations
- ▣ Deck Testing
- ▣ Function Testing
- ▣ Flushing

Features

- ▣ ATEX Zone II approved
- ▣ Integrated Forklift Pocket
- ▣ Compact Design
- ▣ Service & User Friendly
- ▣ Integrated Oil Cooler
- ▣ Easy Connection Interface

SPECIFICATIONS

HPU 30/34.5kW

General Technical Specification

Type	- HPU 30/34.5kW
Part number	- HPU-MN-30/34.5KW
Lifting Certification	- Acc. to DNV 2.7-1
Fluid	- Mineral Oil Based Fluids
* Please contact us for questions or more information regarding fluid compatibility	
Weight	- 1700 kg
Dimensions (L x W x H) [mm]	- 1500 x 1000 x 1850
Operating Temperature	- -10°C / + 60°C (14°F / 122°F)

Hydraulic Specifications

Max. Output Pressure	- 350 Bar
Max. Output Flow	- 230 l/min @ 60 Hz / 180 l/min @ 50 Hz
Pump Type	- Volvo V30-128 RK P1 (Variable adjustable w/press reg)
Return Filter Element	- I-0036-MF 400.3.A03.H.BP01
Return Filter Housing	- I-0022-MPF 400.3.A.G3.A03.H.BP01
Reservoir Capacity	- 500L
Oil Level Indicator	- Yes, visual
Oil Level Guard	- Yes
Temperature Guard	- Yes
Oil Cooler	- I-0080-Bowman Oil Cooler (for Seawater)
Pressure Gauge	- Yes

Hydraulic Connections

Pressure	- 3/4" Tema
Leak Line	- 1/2" Tema
Return	- 1" Tema
Load Sense	- 1/4" BSP (M)
Cooler inlet/outlet	- 1" Offshore Claw Coupling

Electrical data

Electrical Motor	- Type: ATB, IP56, BD200M-4, EEx de, ATEX, 400-690V, 50/60 Hz, 55 Amp
	- Serial No: 451411-001
	- 400V (D), 30 kW, 1460 rpm, 53 A, 50 Hz
	- 690V (Y), 30 kW, 1460 rpm, 31 A, 50 Hz
	- 440-480V (D), 34,5 kW, 1750 rpm, 55-51 A, 60 Hz
	- 660-690V (Y), 30 kW, 1475 rpm, 33-30 A, 60 Hz
	- 400V (D), 30 kW, 1760 rpm, 52 A, 60 Hz
Start Cabinet	- EEx de IIC T6
Power Cable	- 35 meters
Power Socket	- Available on request.