

HYDRAULIC POWER UNIT

55/63 KW

DNV 2.7-1

ATEX ZONE II



Description

The Envirent 55/63kW 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.

The 500L reservoir has a built-in radiator for hydraulic cooling.

Typical Operations

- Topside Tooling applications
- Deck Testing
- Function Testing
- Flushing

Features

- ATEX Zone II approved
- Integrated Transport Skid
- Compact Design
- Service & User Friendly
- Integrated Oil Cooler
- Easy Connection Interface

SPECIFICATIONS

HPU 55/63kW

General Technical Specification

Type	High Flow HPU 55/63kW
Part number	HPU-MN
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	2200 kg
Dimensions (L x W x H) [mm]	2300 x 1300 x 1950
Operating Temperature	-10°C/ + 60°C (14°F / 122°F)

Hydraulic Specifications

Max. Output Pressure	350 bar
Max. Output Flow	320 l/min @ 60 Hz (265 l/min @ 50 Hz)
Pump Type	KPM Axial Piston Pump, B Series K3VL
Return Filter Element	
Reservoir Capacity	500L
Oil Level Indicator	Yes, visual
Oil Level Guard	Yes
Temperature Guard	Yes
Oil Cooler	Built in radiator for hydraulic cooling
Pressure Gauge	Yes (on both pressure and return line)

Hydraulic Connections

Pressure	¾" Tema
Leak Line	½" Tema
Return	1" Tema

Electrical data

Electrical Motor	ATB, IP56, EEx de, ATEX, 400-690V, 50/60 Hz, 125 Amp <ul style="list-style-type: none">- 400V (D), 55 kW, 1470 rpm, 95 A, 50 Hz- 690V (Y), 55 kW, 1475 rpm, 55 A, 50 Hz- 440-480V (D), 63 kW, 1770 rpm, 100-92 A, 60 Hz- 660-690V (Y), 63 kW, 1770 rpm, 59-56 A, 60 Hz- 400V (D), 63 kW, 1770 rpm, 97 A, 60 Hz
Start Cabinet	Apply Oil & Gas Electro, EEx de IIC T6
Power Cable	35 meter
Power Socket	Available on request.