Hydraulic Power Unit 30kW w/ Extra Cooling

Norsok R-003
ATEX SONE II
Water Cooling in Reservoir



Description

The Envirent 30kW HPU is manufactured according to machinery directive and Norsok R-003 and is also ATEX Zone II approved. The AISI 316L frame, doors and covers make it robust and reliable.

30kW HPU can deliver up to 320 bar and up to 140 l/min at 60Hz. Filter on both pressure and return line makes sure to keep the oil clean, to prevent debris and particles to enter tooling applications. Plate heat exchanger for water cooling of return fluid.

In addition, this HPU also have a water cooling system integrated in the tank, which makes this HPU an excellent choice for warm environments.

Typical Operations

- Topside Tooling Applications
- Deck Testing
- Function Test

Features

- ATEX Zone II
- Integrated Water Cooling in the tank.
- Integrated Forklift Pockets
- Service and User Friendly
- Integrated Plate Heat Exchanger
- Easy Connection Interface
- Temperature Guard
- Pressure Gauges
- Sea Fastening Shackles
- Wheels for easy handling

The specification details are illustrative for marketing purpose only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement.
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SPECIFICATIONS

Hydraulic Power Unit 30kW w/ Extra Cooling

Document No.: EVT-14278

Revision: 1

General Technical Specifications

Type	HPU 30 kW
Part Number	HPU-MN-14
Dimensions L x W x H	1800 mm x 1000 mm x 1900 mm
Weight	1480 kg
Recommended Operating Temperature	-10°C / +60 °C
Fluid	Mineral Based Fluid / Water Based Fluid
*Please contact Envirent for more information regarding fluid compability	

Hydraulic Specifications

Max. Output Pressure	320 Bar
Min. Output Pressure	30 Bar
Max. Output Flow	115 L/min @ 50 Hz
Pump Type	Parker 92ccm Axial Piston Pump
Return Filter	OMTF171C10NA1
Reservoir Capasity	280L
Oil Level Indicator	Yes
Temperature Switch	Yes
Coolers	Plate Heat Exchanger and Cooling Coil in Tank
Pressure Gauges	Yes, on pressure line and Load Sense

Hydraulic Interface

Connection ROV Pressure	½" Quick Connector Male
Connection ROV Drain	½" Quick Connector Male
Connection ROV Return	¾" Quick Connector Male
Connection Load Sense	¼" Quick Connector Male

Electrical Interface

Electrical Motor	BUSCK T3CR200L-4 30kW 400/690V B35 IE3 -400V (D),30 kW,1470rpm, 57,11A, 50Hz -690V (Y), 30 kW,1470rpm, 33,11 A, 50Hz -440/480V(D), 34,5kW, 1760 rpm, 57,11A, 60Hz
Power Cable	30 meter
Power Socket	Available on request

MODEL	: HPU-30KW-320	SERIAL NO	: 10584-06-26
PROD.MAX PRESSURE	: 320 BAR	PROD. YEAR	: 2026
MAX FLOW	: 115 l/min	PSV SET	: 345 Bar
SUPPLY VOLTAGE	: 3-Ph 380-690V VAC	NOM. CURRENT	: 58A
MAX FUSE	: 63A	FREQUENCY	: 50Hz / 60Hz
MECHANICAL Ex CODE	: CE Ex II 2 G Ex h IIC T4 Gb	CONTROL VOLTAGE	: 24VDC
ELECTRIC Ex CODE	: CE Ex II 3 G Ex db eb ec ia Ga IIC T4 Gb		

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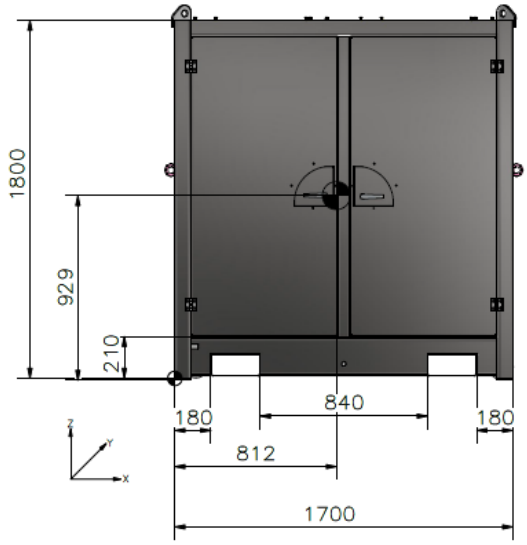
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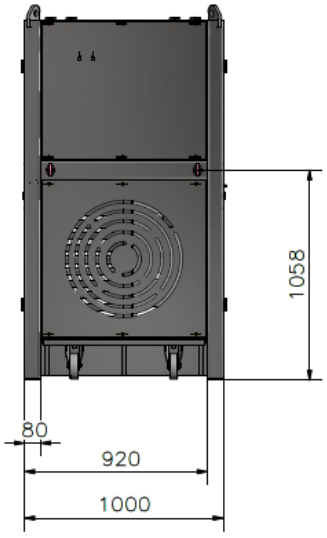
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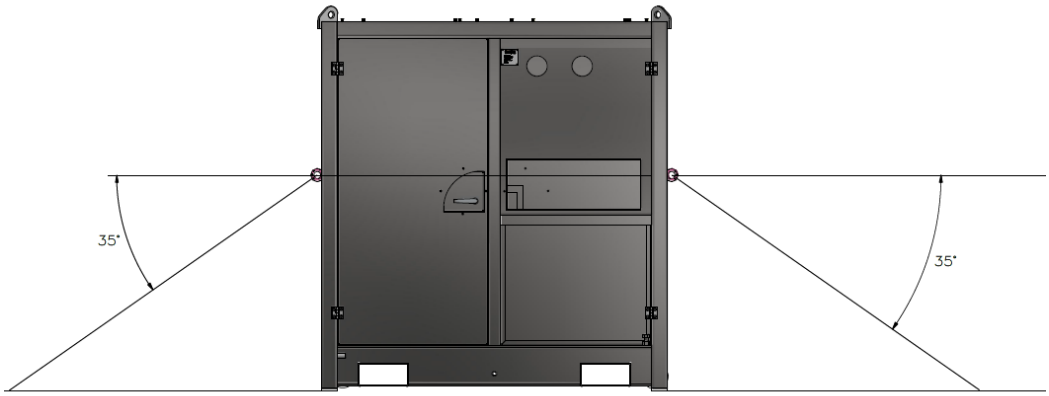
FRONT VIEW

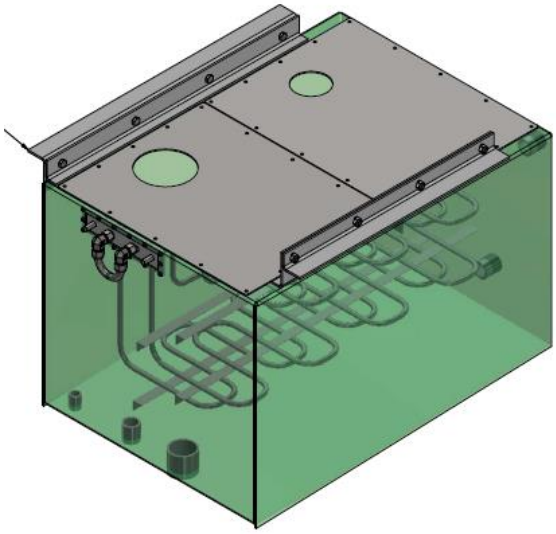


LEFT SIDE VIEW



TIE DOWN





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