

HYDRAULIC POWER UNIT

30 KW

DNVGL-ST-E273

ATEX ZONE II



Description

The Envirent 30kW HPU is both DNV 2.7-3 and ATEX Zone II approved. The AISI 316L frame, doors and covers makes it very robust.

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.

Oil / air cooler is integrated and is ran by an internal hydraulic line. No need for external connections.

Typical Operations

- Topside Tooling Applications
- Deck testing
- Function Testing
- Flushing

Features

- ATEX Zone II approved
- Integrated Forklift Pockets
- Service and User Friendly
- Integrated Oil Cooler
- Easy Connection Interface
- Temperature Guard
- Oil Level Guard
- Pressure Gauges
- Sea fastening Shackles

SPECIFICATIONS

30KW HPU System

General Technical Specifications

Type	HPU 30kW
Part Number	HPU-MN-10/11
Frame Material	AISI 316L
Liftin Certification	According to DNV 2.7-3
Dimensions L x W x H	1700 mm x 1000 mm x 2300 mm
Weight in air	1500 Kg
Recommended Operating Temperature	-10°C / +60°C
Fluid	Mineral Oil Based Fluid

*Please contact Envirent for questions or more information regarding fluid combability.

Hydraulic Specifications

Max. Output Pressure	320 Bar
Min. Output Pressure	30 Bar
Max. Output Flow	115 l/min @ 50Hz / 140 l/min @ 60Hz
Pump Type	Swash-plate Type Axial Piston Pump K3VL80
Return Filter	MPF451-1-A-G1-P01
Reservoir Capacity	280L
Oil Level Indicator	Yes, With and without temp.
Oil Level Guard	Yes
Temperature Guard	Yes
Oil / air Cooler	Built in radiator for hydraulic cooling.
Pressure Gauge	Yes, for both pressure and return line.

Flow Rates

Flowrate 1	40 l/min @ 300 Bar (50 Hz)
Flowrate 2	55 l/min @ 250 Bar (50 Hz)
Flowrate 3	70 l/min @ 200 Bar (50 Hz)
Flowrate 4	150 l/min @ 150 Bar (50 Hz)
Flowrate 5	115 l/min @ 30-100 Bar (50 Hz)

Hydraulic Connections

Pressure	1/2" QC Male – 1/2" QC Female
Drain	1/2" QC Male – 1/2" QC Female
Return	3/4" QC Male – 3/4" QC Female
Load Sense	1/4" QC Male – 1/4" QC Female

Electric Data

Electrical Motor	Motive s.r.l. DELPHI 200L-4B35*IE3 - 400 / 415V (D), 30 kW, 1480 rpm, 53.5 / 51.5 A, 50 Hz - 690 / 720V (Y), 30 kW, 1480 rpm, 31 / 29.7 A, 50 Hz - 440 / 480V (D), 33 / 36 kW, 1776 rpm, 53.5 A, 60 Hz - 760 / 830V (Y), 33 / 36 kW, 1776 rpm, 31 A, 60 Hz
Start Cabinet	Bartec EJB, II 2(1) G EX db be [ja Ga] IIB T5 Gb
Power Cable	30 meter
Power Socket	Available on request