

Subsea Hydraulic Power Unit LP & HP

Intelligent Control System



- Stand alone
- Easy setup
- Depth rated to 3048 meter
- Could be integrated with reservoir
- Easy hook up
- Small footprint
- Several connection points
- Several suction ports

Specifications

Subsea HPU

General technical specifications

Type	2215824 (HP)
Part number	2216070 (LP)
Weight in air / seawater	37 kg / 31 kg
Dimensions	Ø 136 x 436mm

Environmental data

Service interval	1000 Hours / 2 Years
Water depth	3600 meter @ density 1,0 kg / l
Max. ambient pressure	380 Bar
Operating temperature	-10°C/ +40°C
Storage temperature	-20°C/ +60°C

Design codes and standards

ISO	ISO 17559:2003
DNV	DNV RP A203
API	API 17F

Electrical data

Supply voltage	170 VAC
Power consumption LP/HP*	Min – 2A Nominal – 4,74 Max – 8A
Earthing / Ground Connection size	Mounting holes. 5 x M6

Electrical interface

Power	Scorpion Oceanics Bulkhead Type 116 - 1- 04 FR
Signal	Scorpion Oceanics Bulkhead Type 116 - 1- 10 FR

Specifications

Subsea HPU

Hydraulic data

Max outlet pressure HP	1035 Bar
Max outlet pressure LP	345 Bar
Max input pressure	10 Bar
Max compensator pressure	2 Bar
Fluid compatibility	Mineral oil / HFC Fluids (5- 220 cSt / optimal 2 - 35 cSt)
Compensation fluid	Dielectric fluid, Mineral oil or similar.
Max rotational speed HP	1150 RPM@MWP
Max rotational speed LP	2000 RPM@MWP
Dielectric fluid volume	0,5 L/min
Recommended compensator size	Min 0,12L for 3000 meter
Compensator connection size	2x 1/8 BSP / 2x ¼ BSP

Hydraulic port details

Pump output pressure port	3/8 Medium Pressure Port (9/16 UN Threads) Female
Pump suction port side	3/8 BSP Female
Pump Suction Port bottom	½ BSP Female
Pressure Transmitter port	M12 x 1,5
Suction Chamber Air Bleed Port	2 x 1/8 BSP

Sensor data

Pressure transmitter	Sauer Danfoss 0-2200 Bar
Temperature transmitter	PT100 element with 4-20 mA Converter
Motor spool temperature transmitter	PT100 element with 4-20 mA Converter

*Current may vary depending on user.

Specifications

Subsea HPU

HP pump flow and power consumption at given pressure

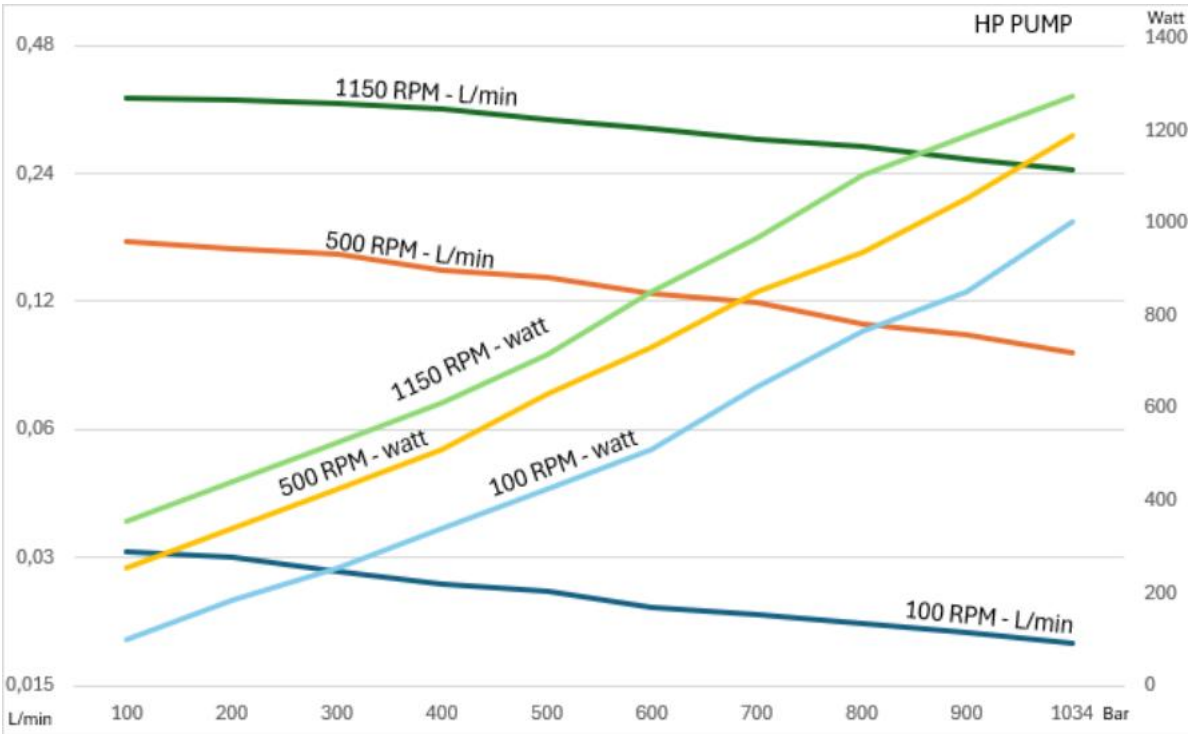


Table shows HP pump flow and power consumption at given pressure

Note: The specification details are illustrative for marketing purposes 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.