

# Hydraulic Subsea Hydraulic Power Unit

Hydraulic driven pump



- 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

## H-SHPU

### General technical specifications

|                          |                   |
|--------------------------|-------------------|
| Type                     | H-SHPU            |
| Part number              | 2241987           |
| Weight in air / seawater | 24,7 Kg / 21,5 Kg |
| Dimensions (OD x L)      | Ø152 x 352mm      |

### Environmental data

|                       |                                 |
|-----------------------|---------------------------------|
| Service interval      | 100 Runtime 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                    | 24 VDC                 |
| Power consumption LP/HP*          | < 40mA                 |
| Earthing / Ground Connection size | Mounting holes, 5 x M6 |

### Electrical interface

|        |                    |
|--------|--------------------|
| Signal | Glenair G5506-1508 |
|--------|--------------------|

### Hydraulic motor data

|                               |          |
|-------------------------------|----------|
| Continuous operating pressure | 210 Bar  |
| Max intermittent pressure     | 350 Bar  |
| Max speed continuous          | 1150 RPM |
| Min speed continuous          | 50 RPM   |
| Max input flow                | 8 l/min  |

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.

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## H-SHPU

### Hydraulic pump data

|                              |                                                |
|------------------------------|------------------------------------------------|
| Max outlet pressure          | 1035 Bar                                       |
| Max input pressure           | 10 Bar                                         |
| Max compensator pressure     | 2 Bar                                          |
| Fluid compatibility          | Water Glycol (5- 220 cSt / optimal 2 - 35 cSt) |
| Compensation fluid           | Univis N32                                     |
| Compensator fluid            | 0,5 L                                          |
| Recommended compensator size | Min 0,12L for 3000 meter                       |
| Compensator connection size  | 2x 1/8 BSP / 2 x ¼ BSP                         |

### Hydraulic pump 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

## H-SHPU

### HP pump flow

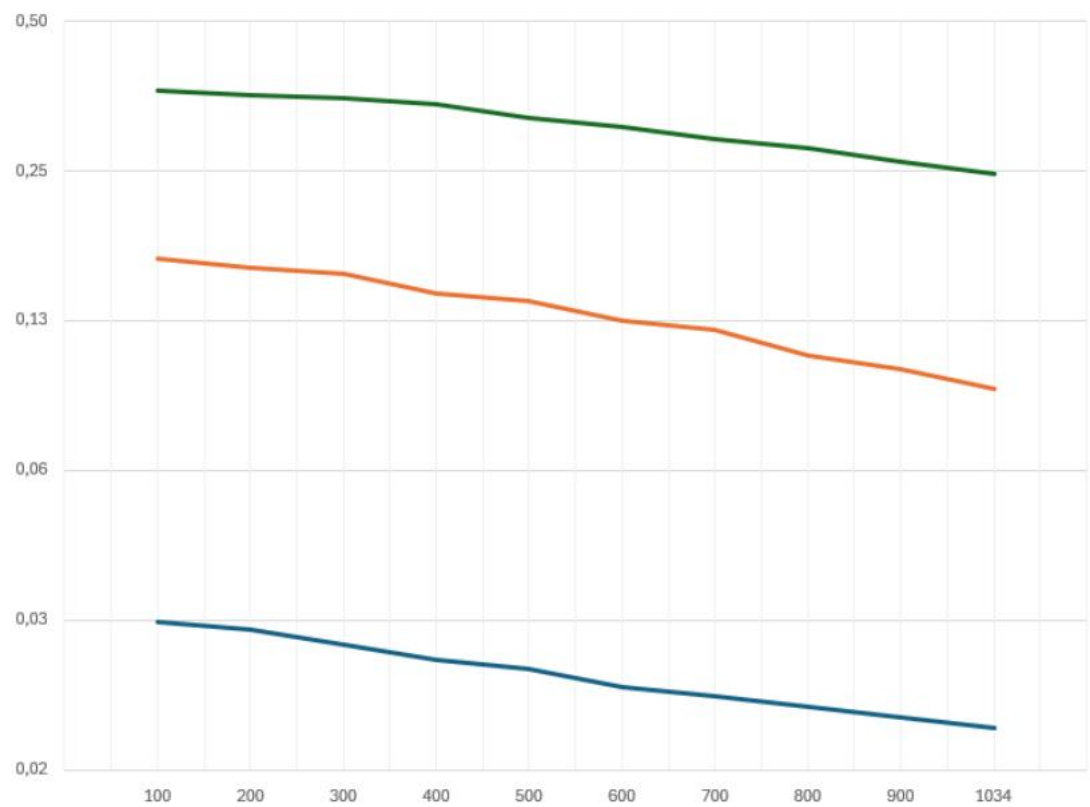


Table shows HP Pump flow at given rotational speed

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