

SengS Hydraulic Power Unit (HPU)

General Description

SengS Subsea Engineering Solutions Ltd standard hydraulic power unit is primarily designed to operate subsea tooling. These units are also suitable for various other applications such as hydraulic testing and flushing activities. The HPU primary structure has been designed and manufactured to DNV 2.7.3 and certified for offshore functionality.

Technical Specification

Design

Capacity: 420 litres reservoir
Standard: 207 bar supply pressure
Environment: Offshore/marine

System

Max Pressure: 250 bar @ 25 l/min, 60Hz operation
Max Flow: 55 l/min @ 160 bar, 60Hz operation
Pump type: Pressure compensated
Motor: 30kW 3ph 380-440v 50-60Hz, IP55
Starter: Star Delta in SS enclosure, IP56
Reservoir: 336 litres @ 80% capacity, low oil and high temperature trips
Connections: Industry standard QC/QD couplings
Filtration: Supply and return systems
Cooler: Bowman seawater heat exchanger
Operating fluid: Water based
Ambient temp: -4° to 50°C

Frame Dimensions

Length: TBA
Width: TBA

Weight

Tare Weight: TBA
Max Gross: TBA

Certification

Frame: 4 point lift, certified to DNV 2.7.3

NOTE: Full certification for MPI, slings, shackles and load test, copies shall be within documentation pack provided.