DESCRIPTION OF THE HVDRAULIC POWER UNIT

Description
The Hydraulic Power Unit (HPU) consists of a stainless steel tank, two complete pump units, filters and different types of valves. The pump units are located under the tank and are flexible mounted to the foundation.

Pump type
2 pc. Variable axial piston pump, 140cm^3

Pump Control
Constant Pressure, pressure compensated.

Tank oil capacity
Approx. 1400 litre

EI. Motors

2 pes.	: 3 x 380 V -50 Hz
RPM	: 1480
Power	: 90kW
Heating	: installed
Thermistor	: installed

Necessary el. Supply
380V AC - 50Hz

Hydraulic Pressure/Flow
250 bar operating pressure
Approx. 2x200 l/min

Equipment included
- 2 x Pressure filter with bypass and visual indicator
- 2 x Return filter with bypass and visual indicator
- I x Leak oil filter with bypass and visual indicator
- I x Level switch
- 2 x Unloading valve activated during y /Δ, start-up
- 2 x Oil level gauge with temp. Indicator.
- 2 x Pressure gauge
- 2 x Ball valve for draining of oil.
- 1 x Breather filter.
- 2 x Non return valve mounted on pressure output line, type RJ-ID
- 1 x Temperature switch, type KPS
- 2 x Safety relief valves on pressure lines
- 1 x Air/oil cooler mounted next to HPU

Cooler
An air/oil cooler is mounted into the hydraulic circuit, the cooler is connected to the return line, all return oil from the consumers will pass through this cooler be fore it enters the hydraulic tank on the HPU. The cooling effect will be approx. 36,4kW with values as listed below:

Oil flow	200 l / min
Oil temperature	55° C
Air flow	1,4m^3/ S
Air temperature	25° C

Cooling effect will vary if these values vary.

Weight
Approx. 2600kg (empty tank)