

Hydrau**vision**



HydrauPack 1500E 20 ft. HC container

Technical Specification

Main pumps:
Max. working pressure : 350 bar
Max. output flow @ 0-250 bar : 6 x 450 = 2.700 liter/min.
" @ 250-350 bar : 6 x 450-380 = 2.700-2.280 liter/min.

Auxiliary pumps:
Max. working pressure : 310 bar
Max. output flow : 6 x 70 = 420 liter/min.

Power supply : 380V-50Hz / 400V-50Hz / 440V-60Hz
Electric motor power : 6 x 267 kW @ 440V-60Hz
Current per motor : 6 x 420 A @ 440V-60Hz
Main power supply conn. : Cable lug, bus bar (L1, L2, L3 + Earth)
Control power supply conn. : Cable terminal cabinet (L1, L2, L3 + Earth)

Cooling capacity air / oil : 2 x 300 kW @ $\Delta T = 30^\circ C$
Operational temperature : -20 up to $45^\circ C$
Hydraulic fluid : H(V)LP ISO VG 46, 68 (or other on request)

Overall length : 6060 mm
Overall width : 2440 mm
Overall height : 2900 mm
Hydraulic oil tank capacity : 5.000 liter
Max. gross weight : 25.000 kg

Fluid connections:
Pressure (P) : 6 pcs Q.C. VOF200 2" BSP N nipple
Return oil (T) : 6 pcs Q.C. T20020 2" male
Auxiliary (PP) : 2 pcs Q.C. VOF100 1" BSP N nipple
Drain (D ext.) : 2 pcs Q.C. T20015 1 1/2" male
Filling point : 2 pcs Q.C. flat face acc. ISO 16028, 1/2" male

Benefits

- Intelligent electronic control system
- Offshore certified 20 ft. high cube container and rigging according DNVGL-ST-E271:2.7-1 rules and CSC
- Proportional adjustable pretension return line
- Air cooling system
- Open hydraulic circuit with electronic flow and pressure control
- External emergency stop connection
- Easy maintenance due to multiple access doors
- Modular panels

Scope of Supply

Included:
- Local control box, including extension cable for remote control
- Controller settings to customers specifications
- User manual

Excluded:
- Hydraulic hoses with counter quick connectors
- Transport

Above mentioned items can be included on request.

All performance data and specifications mentioned in this document are guidelines. Due to operational and environmental influences performance data may vary. All products are subject to continuous review. HydrauVision reserves the right to change specification without prior notice.

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Electric-driven Hydraulic Power Unit with a main power of 6 x 267 kW (@ 115% safe overload) 440V-60Hz, with a combined hydraulic output of approx. 1600 kW. The HydrauPack 1500E is divided in two independent sections with each 3 pump sets and its own control system, except for the combined hydraulic oil tank. The HydrauPack 1500E can therefore operate as 800 kW fully redundant or unleash the full 1600 kW.

Each electric motor comprises Danfoss axial piston pumps D1P 260cc and JR 45cc. The cooling fans for temperature controlled air cooling are hydraulic driven by 2 screw pumps GR70/SMT16B 275cc. The hydraulic main output is combined in six pressure connections with quick connectors.

The HydrauPack 1500E is assembled in a noise damped Lloyd's Register certified 20 feet offshore high cube container according DNVGL-ST-E271:2.7-1 rules and CSC, including rigging. The container is provided with both 4 lifting points and integrated forklift-pockets to ensure easy handling.

Fully featured with local and remote flow control and proportional pressure control the HydrauPack 1500E can drive an extreme wide range of applications. Making the HydrauPack 1500E the most advanced and flexible high power asset on deck for your offshore project.

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