

Hydrau**vision**



HydrauSupport 250C Cooling unit in DNV 2.7-3 frame

Technical Specification

Max. cooling capacity	: 250 kW ($\Delta T = 40^{\circ}\text{C}$, $Q = 600 \text{ l/min.}$)
Max. external input flow	: 600 liter/min ($\Delta p = 2,3 \text{ bar}$ at 46 cSt)
Max. working pressure	: 10 bar
Frequency drive fan	: 7,5 kW
Operational ambient temp.	: -10 up to +40 °C
Operational fluid temperature	: -20 up to +70 °C
Standard set point	: 45 °C
Noise level (1 m)	: 91 dB(A) at full power
Integrated circulation pump	: 7,5 kW
Max. flow and pressure	: 460 liter/min @ 5 bar
Max. cooling capacity with pump	: 225 kW ($\Delta T = 40^{\circ}\text{C}$, $Q = 460 \text{ l/min.}$)
Hydraulic fluid	: H(V)LP ISO VG 46 (or other on request)
Overall dimensions:	
Length	: 2440mm
Width	: 1510mm
Height	: 2210mm
Total weight excl. fluids	: 2000 kg
Fluid connections:	
Suction pump	: SAE 3" -3000 psi Pressure between -0,5 and 3 bar max
External inlet, 2 pcs	: Q.C. coupling Tema T20020, 2" (female)
Outlet, 2 pcs	: Q.C. coupling Tema T20020, 2" (female)
Power supply nominal	: 400 VAC (50Hz)-32A (3P+N+E) : 440 VAC (60Hz)-32A (3P+N+E)

Benefits

- Temperature controlled fan speed
- Easy to change temperature set point
- Integrated circulation pump for off-line cooling
- Piping connections for in-line cooling
- Offshore certified box frame and rigging acc. DNV 2.7-3 and EN 12079
- Possibility to use in combination with a HydrauSupport or HydrauPack unit
- Storage for connection hoses

Scope of Supply

- Included:
- Power connector on unit: 32A-6h, 5-pole
 - Quick connect couplings
 - Controller settings to customers specifications
 - Lifting points (4) and integrated forklift-trays
 - User manual
- Excluded:
- Hydraulic hoses
 - Electric power connection cable
 - Transport and installation

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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The HydrauSupport 250C is an electric driven cooling unit, fitted with a 7,5 kW frequency drive fan.

The HydrauSupport 250C can be used to cool down a hydraulic system with a maximum cooling capacity of 250 kW. If no sufficient oil flow is available, the HydrauSupport 250C has also the possibility to use an oil circulation pump with an output flow of 460 liter/min. This integrated device gives the HydrauSupport 250C a maximum cooling capacity of 225 kW.

The HydrauSupport 250C is provided with a temperature controlled frequency drive. The higher the inlet oil temperature, the higher the fan speed.

This system is assembled in a Lloyd's Register certified box frame with the dimensions of a 5 ft. container and according DNV 2.7-3 and EN 12079. Together with 1 or 2 HydrauPack 200 units and with the HydrauFrame lift and loading frames it can be modular assembled as one package.

The box frame is provided with both 4 lifting points and integrated forklift-trays to ensure easy handling.

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