

# Hydrau**vision**



## HydrauSupport 250C



### Technical Specification

|                           |  |
|---------------------------|--|
| Max. cooling capacity     | : 250 kW<br>( $\Delta T = 40^{\circ}\text{C}$ , $Q = 600 \text{ l/min.}$ ) |
| Max. flow                 | : 600 liter/min.<br>( $\Delta p = 2,3 \text{ bar at } 46 \text{ cSt}$ )    |
| Max. working pressure     | : 10 bar   |
| Electric power            | : 5,5 kW   |
| Operational ambient temp. | : $-10 \dots 55^{\circ}\text{C}$   |
| Standard setpoint         | : $45^{\circ}\text{C}$   |
| Noise level (1 m)         | : 91 dB(A) at full power   |
| Overall length            | : 1260 mm  |
| Overall width             | : 1730 mm  |
| Overall height            | : 1850 mm  |
| Total weight excl. fluids | : 770 kg   |
| 5 ft container version:   |  |
| Overall length            | : 2440mm   |
| Overall width             | : 1510mm   |
| Overall height            | : 2210mm   |
| Total weight excl. fluids | : 1275 kg  |

|                      |                     |
|----------------------|---------------------|
| Power supply nominal | : 400VAC-32A (3P+E) |
| Fluid connections:   |                     |
| Inlet                | : SAE 3" -3000psi.  |
| Outlet               | : SAE 3" -3000psi.  |

|                             |                         |
|-----------------------------|-------------------------|
| Integrated circulation pump | : 5,5 kW                |
| Max. flow and pressure      | : 440 liter/min @ 5 bar |

### Benefits

- Temperature controlled fan speed.
- Easy to change temperature set point.
- Integrated circulation pump for off-line cooling.
- Piping connection for in-line cooling.
- Possibility to use in combination with a HydrauSupport or HydrauPack.

### Scope of Supply

- Included:
- Power connector on unit: 32A-6h, 5-pole (type 1259, male)
  - User manual.

- Excluded:
- Hydraulic hoses.
  - Power cable.
  - Transport and installation.

All 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.

Revision : 08  
Date : 03-04-2013

The HydrauSupport 250C is an electric driven cooling unit, fitted with a 5,5 kW electric motor.

The HydrauSupport 250C can be used to cool down a hydraulic system with a maximum cooling capacity of 250 kW at a temperature difference of  $40^{\circ}\text{C}$  and an oil flow of 600 liter/min.

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 440 liter/min. This integrated device gives the HydrauSupport 250C a cooling capacity of 220 kW at  $\Delta T$  of  $40^{\circ}\text{C}$ .

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

At an inlet temperature less than  $40^{\circ}\text{C}$ , the fan is in standstill, at a temperature range of  $40^{\circ}\text{C}$  up to  $50^{\circ}\text{C}$  the fan speed increases from 30 to 100%.

The system is designed to be robust and reliable. The HydrauSupport 250C is mounted in a box frame provided with lifting lugs and integrated forklift-trays to ensure easy handling. A 5 ft container version is also available.

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