

Hydrau**vision**



HydrauSupport 70C

Technical Specification

Max. cooling capacity	: 73 kW ($\Delta T = 40^{\circ}\text{C}$, $Q = 300 \text{ l/min.}$)
Max. flow	: 300 liter/min. ($\Delta p = 1,5 \text{ bar at } 46 \text{ cSt}$)
Max. working pressure	: 16 bar
Electric power	: 5,5 kW
Operational ambient temp.	: $-10 \dots 55^{\circ}\text{C}$
Standard setpoint	: 45°C
Fluid viscosity range	: $10\text{-}600 \text{ mm}^2/\text{s}$ (recommend. $30\text{-}45 \text{ mm}^2/\text{s}$)
Fluid temperature range	: up to 90°C
Filtration	: ISO/DIS 4406 Code 19/16- Filtration grade $\beta_{25} > 75$
Noise level (1 m)	: 77 dB(A) at full power
Overall length	: 1500 mm
Overall width	: 900 mm
Overall height	: 1603 mm
Total weight excl. fluids	: 510 kg

Power supply nominal	: 400VAC-32A/5P
Fluid connections:	
Inlet	: SAE 1-1/2" -3000psi.
Outlet	: SAE 1-1/2" -3000psi.

Benefits

- Temperature controlled fan speed.
- Easy to change temperature set point.
- 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 1254, male)
 - User manual.

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

All 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. Hydrau**vision** reserves the right to change specification without prior notice.

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The HydrauSupport 70C is an electric driven cooling unit, fitted with a 5,5 kW electric motor.

The HydrauSupport 70C can be used to cool down a hydraulic system with a maximum cooling capacity of $\approx 73 \text{ kW}$ at a temperature difference of 40°C and an oil flow of 300 liter/min.

The HydrauSupport 70C must be placed in the return line of the hydraulic system. Also a separate circulation pump of the hydraulic system can be used to circulate the hydraulic flow through the cooler.

The HydrauSupport 70C 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°C , the fan is in standstill, at a temperature range of 40°C up to 50°C the fan speed increases from 30% to 100%.

The system is designed to be robust and reliable. The HydrauSupport 70C is mounted in a box frame provided with lifting lugs and integrated forklift-trays to ensure easy handling.

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