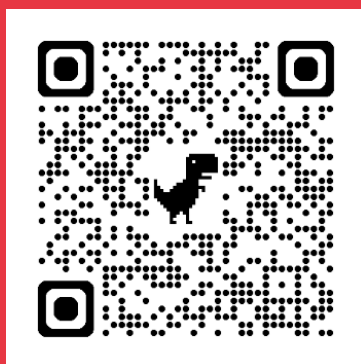
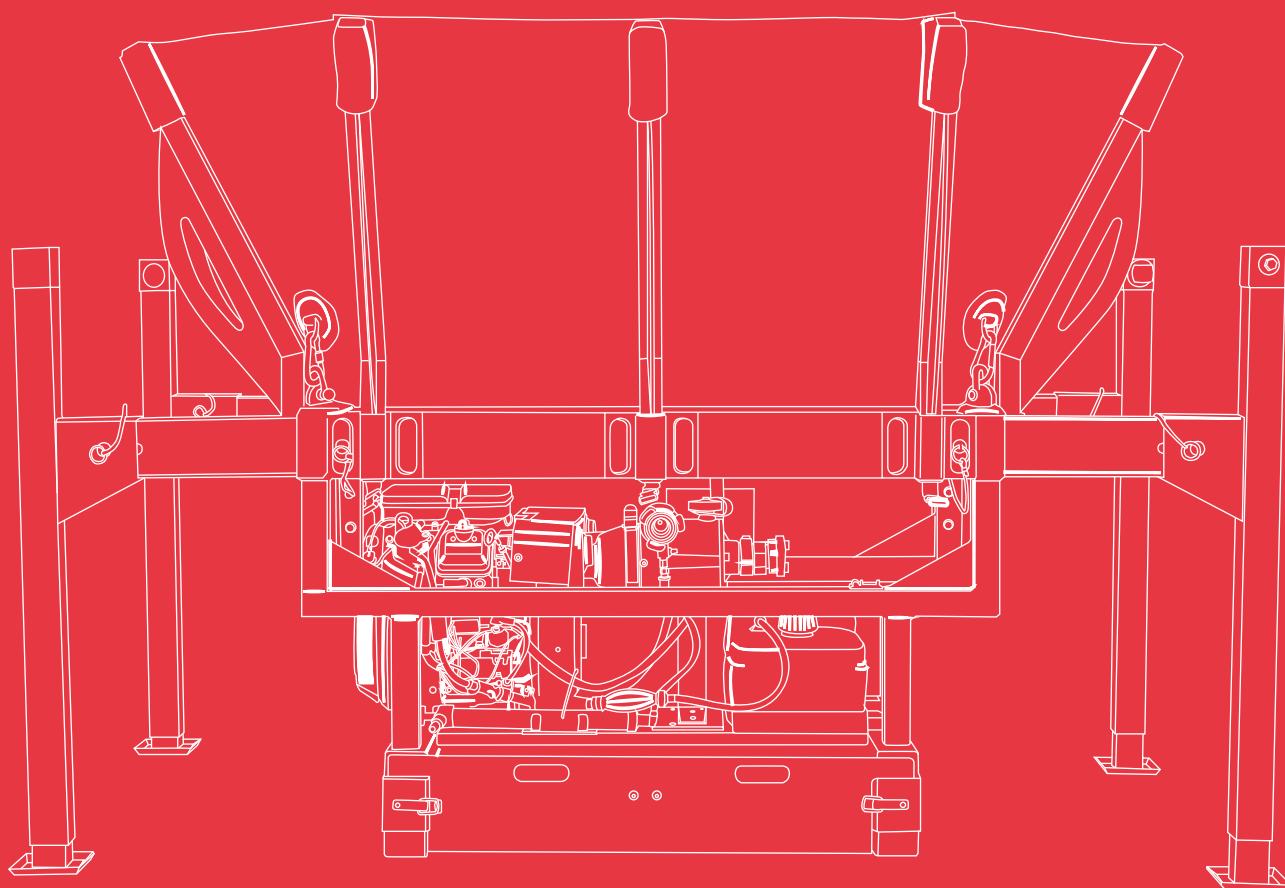


Heliskid

Water wherever and whenever you want.



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Water wherever and whenever you want

Because of their speed and flexibility, pickup vehicles offer great wildland firefighting possibilities yet with very small loads as these types of variable load vehicles can only carry 450-600 l (depending on the tank) with a traditional skid unit.

Heliskid is a compact and versatile skid unit for light vehicles designed for easier direct attack operations with a water line in remote areas. A device that can be moved on the ground or in the air, it has 6 times more water capacity than a traditional skid unit and a high-performance fire pump.

Compact design

With the small size and low weight, these types of light vehicles can be equipped with high-performing water capacity and fire pump features as a kit can be deployed with 3,000 liters and a high-performing fire pump.

Quick and easy assembly

A completely operational system in less than 5 minutes.

Optimized loading time

The Heliskid tank is unique in that it can be supplied using aerial resources, thereby considerably reducing the time needed by standard trucks which use other trucks to load their water tanks.

Water available in difficult-to-access places

Can be helitransported to remote areas where trucks and pickups can't go to have a tank in a strategic point for extinguishing work.



Certification - CE marking

Directive 2006/42/EC
Certificate No. 21/32308236

1 Sequence of use

1



Transportation

Easily moved in pickup vehicles because of the small size and low weight.

2



Loading and unloading

Telescopic legs to raise the Heliskid to load/unload it from the vehicle. Distance: 110 cm clearance.

3



Helitransportable

Because of the weight (400 kg) and 4 upper anchoring points, the Heliskid may be transported to difficult-to-access areas via helicopter.

4



Stabilization

The 4 telescopic legs and 4 tubes at the base can stabilize and level the Heliskid on any ground (when empty). Plus, it's equipped with a level indicator for better accuracy.

5



Tank assembly

A light structure for easy water tank deployment and assembly. Tank connection to the pump via a suction hose.

6



Filling

The tank can be filled from the helicopter or through suction from a hydrant, river, lake, truck, etc.

7



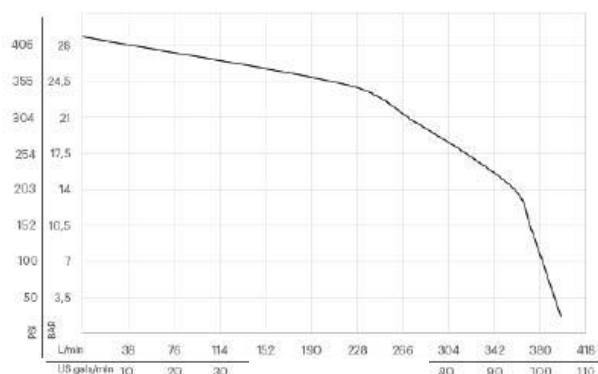
Use

A 45 mm connector output enables split coupling for two hoses.

2 Heliskid technical specifications

Helitransportable structure	The main structure and structural tank arms are made of aluminum. 4 hoisting points for helitransport. ACP (Automatic-Center-Point) eyebolts compliant with DIN EN 1677-1:2009-03 and DIN EN ISO 12100:2011-03
Total weight	415 kg without water 3,415 kg with a full tank. MMA: 750 kg.
3,000 l. canvas tank	Fold-down canvas with a tubular detachable structure for transportation in a cabinet. Dimensions when open: 210 x 210 x 100 cm Dimensions when folded: 120 x 60 x 25 cm Material: 1450 gr/m ² - thickness 1.2 mm - PES fabric with a PVC finish Resistance: traction 3000/3000 N/50 mm tear 250/250 N temperature -30/+70°C Weight: 22 Kg including the carrying case
Cabinet	Drawer with an access door on both sides and key-lock close. Designed to transport the tank, the structural arms and components for the operation as well as the suction section, cranks and leg drive system drill holes. Dimensions: 128x69x50 cm Capacity: 350 l
Fuel tank	Gasoline tank made of HDPE, connected to the fire pump. Equipped with a Mercury quick connect fuel line. Capacity: 12 l.
Stabilization system	Made up of 4 hoisting legs + 4 extendable tubes on the base, operable with spring positioners. Includes a level for visual inspections. The legs cannot be used to stabilize the structure when the tank is full and the base is raised.
Hoisting and unloading legs	Stainless steel legs with a spindle system to be raised up to 1130 mm. Detachable, they can be carried in the lower drawer. Dimensions: <u>Max. leg length:</u> 2500 mm <u>Min. leg length:</u> 1370 mm Weight/leg: 22 Kg
Tensioned sling kit	Equipped with 4 pickaxes, 4 slings and a hammer for stabilization if any additional fixing points are necessary.
Helitransportable grabber	Textile sling, comprised of 4 strands, attached on one end with metal rings, and a self-closing hook. For hoisting operations pursuant to DIN EN 1492-2 and with EC certification.
Removable fire pump	BH4-23 fire pump which combines a powerful Briggs and Stratton Vanguard V twin 23 HP engine with a vft Speed Increaser and a VFT_4SP 4-phase centrifugal pump. Offers excellent operation at high pressures and a great flow. This combination has the capacity for long-distance hose laying. It has a quick coupling system for the pump to be replaced as quickly as possible in the event of a breakdown. Dimensions: Length: 83 cm Width: 49.5 cm Height: 48 cm Weight: 78 Kg

BH4-23 performance table



Pres-		Flow	
Bar	PSI	l/min	US GPM
24.1	349.5	200	58
13.8	200	360	95
3.5	50	394	104

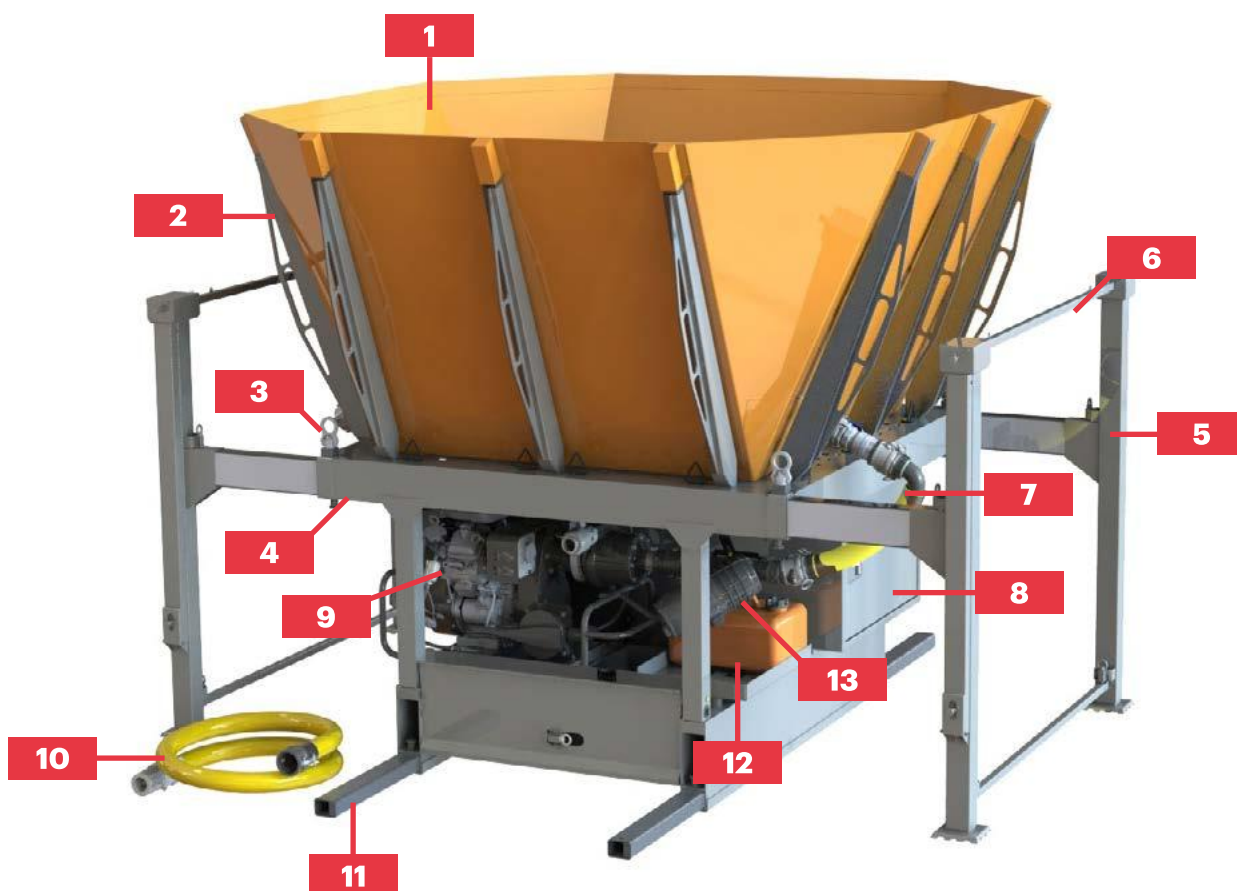
BH4-23 specifications

Power	23 HP (3,600 rpm)
Start	Manual and electric
Weight	78 kg
Suction	2" NPSH
Supply	1.5" NPSH

BH4-23 performance data

Maximum flow rate	397 l/m
Maximum pressure	28.8 bar
Max. Gauge height	294 mH2O

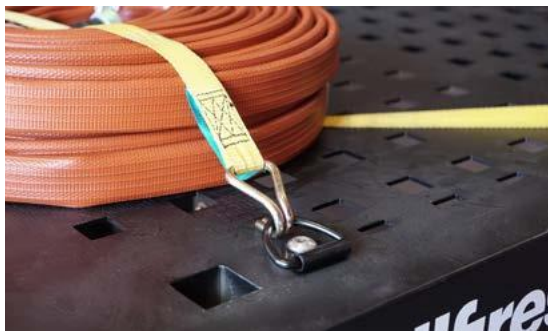
3 Main components



Heliskid components

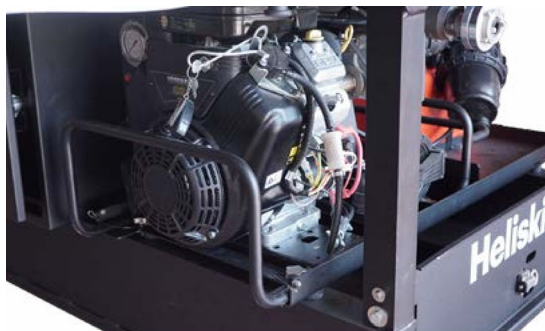
1. 3,000 l fold-down canvas tank
2. Structural tank arms
3. Hoisting points
4. Reinforced aluminum structure
5. Telescopic leg
6. Transmitter tubes
7. Tank suction hose
8. 350 l aluminum drawer
9. BH4-23 Fire pump
10. Suction hose
11. Anti-tipping tubes
12. 12 l fuel tank
13. 2" line filter

4 Outstanding features



Clamping rings

Can be used to secure the load above the structure and anchor the tensors.



Removable fire pump

Can be used independently. Equipped with an extraction system to work off the structure.



Stabilization level

To reference the product loading and unloading. Cross-shaped bubble level on the front.



Slide adjusters and positioners

Easier product handling. All connecting elements (connecting tubes, telescopic legs) are easy to work with.



4+4 stabilization system

To stabilize the product with the bottom tubes and telescopic legs. The base must always be in contact with the ground when filling.



Can be moved with a forklift

To be moved off a pickup using a lift truck. Handle with care to prevent damage to the bottom.



Carrying covers

To move the tank arms and canvas. Can be used independently for both. Features highly resistant plastic buckles.

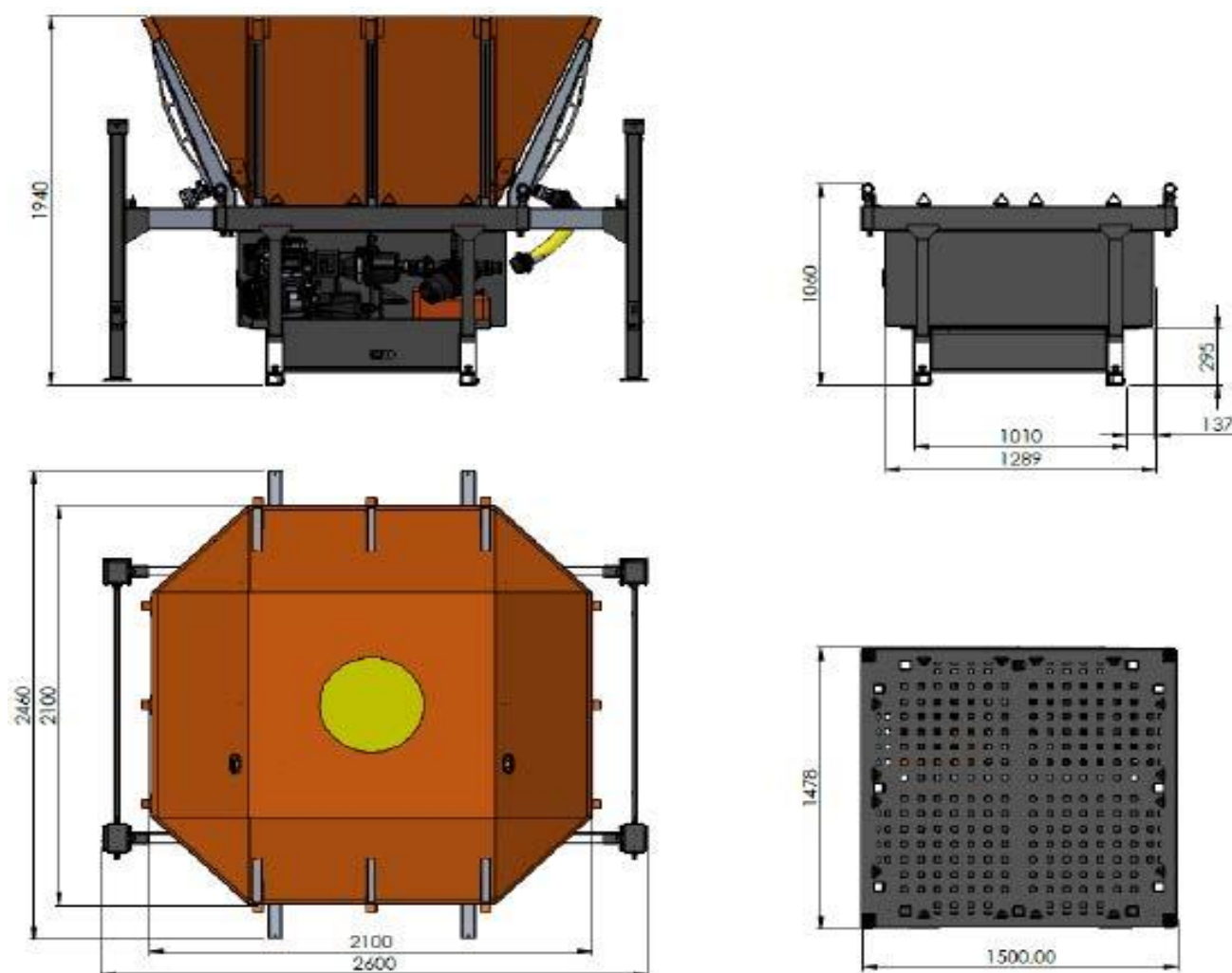


Can be moved with a trailer

To move up to 3 units with a single vehicle.

4 Dimensions

The skid unit dimensions are adjusted for adaptation to most pickups. It occupies all of the back of the vehicle for more volume capacity as a water tank.



5 Accessories included

5.1 Suction hose

Clear flexible PVC spiral absorption hose with rigid PVC spiral and smooth inner surface. Includes non-return foot valve and filter. Includes 2" female camlock for connection to the fire pump.

TECHNICAL DATA

- NH 2" foot valve
- Length: 5m
- Hose diameter: DN50 (2")

DVD0610-0050A 2" suction hose



5.2 Tensioned sling kit

To secure the product with tensioned slings anchored to the rings on the structure and pickaxes.

DED5705-P0001 Anchoring/securing pickaxes

DED5705-P0002 Anchoring/securing slings

DED5705-P0003 Anchoring/securing hammer



5.3 Hoisting cranks

To lift and lower the telescopic legs in a controlled manner. Equipped with two 19 mm basins that fit in the hexagonal bushings on the front axles.

ZEZ3401-00001 Leg hoisting crank



5.4 Helitransportable grabber

To anchor the Heliskid to a helicopter with the eyebolts at the top of the structure. CE certified.

ZEZ3401-00010 Heliskid helitransportable grabber



6 Optional accessories

6.1 DeWalt drill

To lift and lower the telescopic legs faster and more efficiently. Equipped with two adaptors, 19 mm basins, a battery, charger and carry case.

TECHNICAL DATA

- Maximum torque: 95Nm

ZEZ3403-00001 Hoisting drill kit

6.2 vft Pump coupling wrench

To safely tighten and loosen threaded protective mechanisms.

DVD3112-00001 vft Pump coupling wrench

6.3 Hose choke

A tool that's used to quickly cut off the water to do other operations such as switch nozzles or add and remove hoses during a direct attack.

DED5800-00000 FC-2540 hose choke

DED5801-00000 Textile hose choke

6.4 Canvas base

A resistant foldable waterproof canvas base to protect the fire pump on aggressive land and hold all tools and accessories during operations.

DVD3114-00001 Fire pump canvas base

6.5 Threaded coupling kit

To adapt the fire pump outlet to the desired thread type.

DVD0699-00004 NPSH pump outlet coupling kit

DVD0699-00005 BSP pump outlet coupling kit

DVD0699-00006 NH pump outlet coupling kit

6.6 Branching

To connect two hoses to the same outlet.

6.6.1 Barcelona branch valves

DVD5901-00000 BCN 25-25 branch valve (25 inlet)

DVD5901-00001 BCN 25-25 branch valve (45 inlet)

DVD5901-00002 BCN 45-45 branch valve (70 inlet)

6.6.2 STORZ branch valves

DVD5901-00009 STORZ 25-D-25-D branch valve (52-C inlet)

DVD5901-00010 STORZ 52-C-52-C branch valve (75-B inlet)



6.7 Viper Attack 540 (1") water nozzle

Viper Attack wildland nozzle with four adjustable flow rates. Compatible with proportioners. Good performance in extreme conditions, easy maintenance, resistant and long-lasting. Additional bleed-cleaning position.

TECHNICAL DATA

- Maximum pressure: 40 bar
- Adjustable flow 50/100/160/235 l/min.
- Weight: 1.35 kg

DED5426-00000 VA 540 Forest wildland nozzle - BCN 25 connector

DED5426-00001 VA 540 Forest wildland nozzle - Storz 25-D connector



6.8 3-layer flathose

3-layer hose for use at low pressure in two 20 m sections made of circular weaved fabric, 100% high-tenacity wire, completely protected by a layer of synthetic rubber to create a homogeneous structure.

TECHNICAL DATA

- 40 bar maximum pressure
- 25 or 45 mm hose section
- Available with Storz, Barcelona, DSP o NH connector

