

Dronster

vft vallfirest

HIGH-PERFORMANCE
MULTI-EMERGENCY
ROBOT





LED LIGHTS
High visibility
Long range

Dronster

High-performance multi-emergency robot

Dronster is a radio-controlled machine specially **designed to work in the emergency and forest management sector.**

- > **Compact and powerful.** A small-sized, resistant and powerful design to work safely and efficiently in hazardous areas.
- > **Absolute versatility.** A quick tool change system to be able to couple all sorts of tools (forestry weeders, trenchers, extinguishing monitors) depending on the type of emergency.

One machine, many options

Dronster was designed to work in the most demanding scenarios:

- > **Wildland fires**
Passive safety: forest management and secure areas.
Active safety: defense lines and fire perimeters.
- > **Structural/industrial fires**
- > **Chemical risks**

REMOTE CONTROL

150 m operating range
8 hours of autonomy



Strengths

Dronster

Flexible, powerful and light

- > A compact design that's 30 cm narrower than similar power machines
- > Stage V 59 HP engine
- > Weight 1,450 kg

Productivity and operability

- > A hydraulic connection for quick tool switches
- > A constant operating speed and homogeneous performance
- > Total traction to meet the demands of any terrain
- > Capable of working efficiently on demanding slopes
- > Low consumption



Multi-purpose

- > The only machine capable of working with 3 tools simultaneously: front and back implements, as well as an extinguishing monitor
- > Efficient in forest management work
- > Safe for wildland, structural and industrial fire extinguishing operations as well as chemical risks
- > Effective in winter road clean-up work

Safety

- > Enhanced safety and efficiency for operators working in risky situations
- > Easy to operate and move
- > The operator's always in a safe area
- > Up to 150 m in distance between the operator and the machine
- > Emergency button included on the remote control



SAFETY AREA

The remote system allows the operator to work safely



Remote control

Dronster

Maximum usability, safety and control

Safety and ease of driving is one of its main characteristics as it allows operators to work in a safe area in hazardous situations and/or on terrain with steep slopes.

- > **An intuitive joystick** that allows operators to quickly dominate all functional features.
- > **Remote control operational distance** > up to 150 meters.
- > **Stability and traction.** The wide front attack angle to overcome obstacles and built-in swing in the traction system to absorb irregularities in the ground.

SAFETY

Operating range of up to 150 m for greater safety.



> LIGHT

> **INTUITIVE**
> **EASY TO USE**



**EMERGENCY
BUTTON**

Unbeatable quality

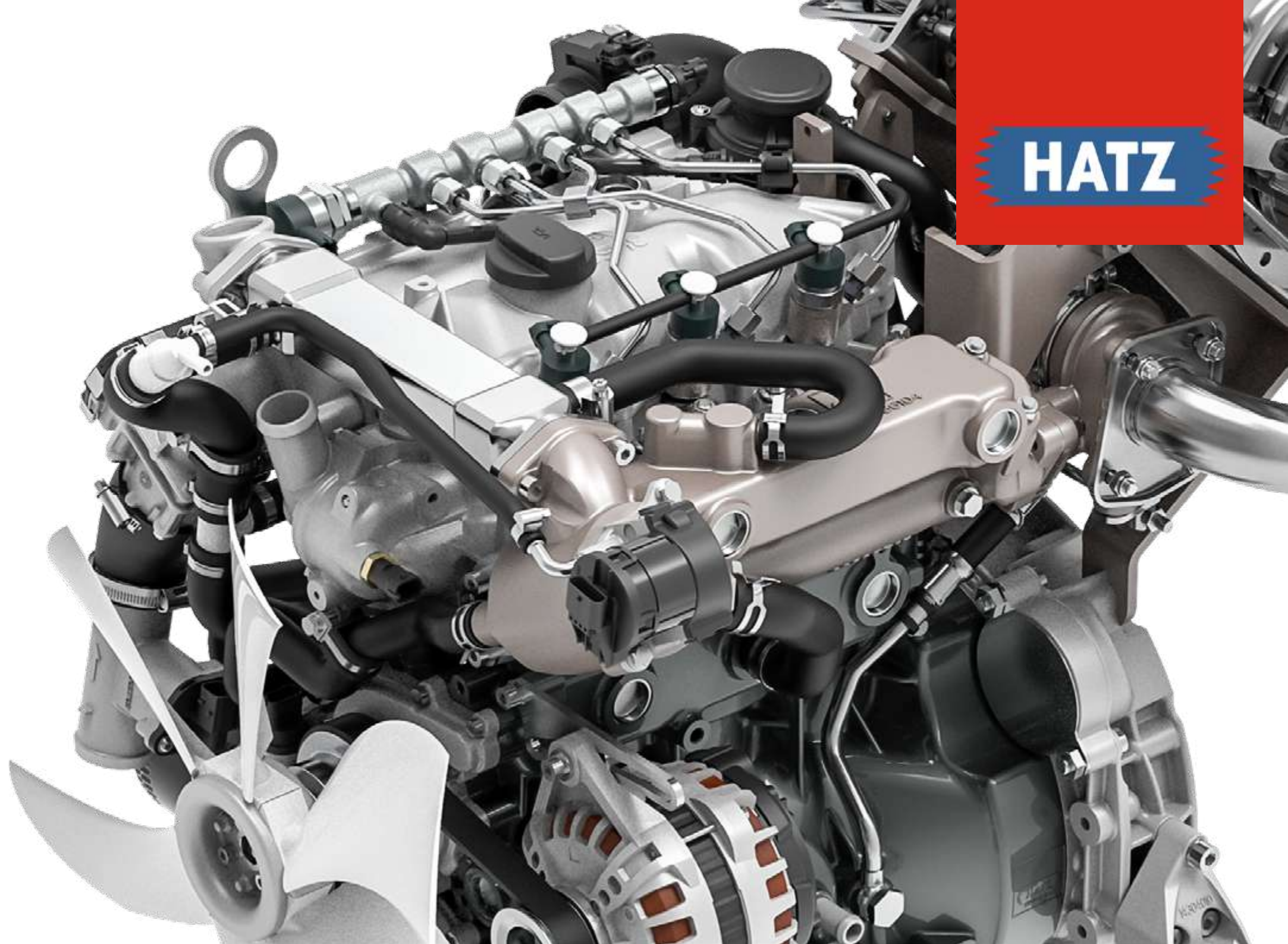
Dronster

Quality components

In a world where emergencies are becoming more and more complex, Dronster has been created to make the difference. Intended for the most challenging environments, this innovative robot was developed to face the most demanding scenarios. Dronster has the most advanced materials and components to guarantee exceptional performance when most needed.

- > **Next-generation 59 HP Hatz engine**
- > **Control electronics developed explicitly for the Dronster**
- > **Chassis and sub-chassis with overturning protection**
- > **Double cooling system (front and back) with self-cleaning electronic control**
- > **Front winch to overcome the most demanding situations**
- > **Anti-grass and debris protective body with generalized maintenance openings**
- > **The tallest chassis on the market to overcome obstacles such as stones and stumps**
- > **A rear implement to couple all sorts of accessories such as shovels or rippers using the hydraulic pistons**
- > **A front implement with a quick connection system**





HATZ



Ready for any challenge

Dronster

Works on the most demanding of terrain

From the height of the chassis to the base of the engine, every little detail has been carefully designed to overcome any obstacle. The front and rear undercarriage attack angles, along with the total height and fording capacity, make the Dronster unstoppable on difficult terrain.

Thanks to its size and power, Dronster can operate in smaller spaces without sacrificing on performance. The front implement gives it unique hoisting capacity to easily overcome the most complicated of obstacles.

But that's not all. Dronster has four anchoring points on the undercarriage to be helitransported to guarantee quick aerial mobilization in emergency situations or difficult-to-access areas.



**LOWER
CENTER OF
GRAVITY**

**HIGHER
CLEARANCE OFF
THE GROUND**



Range of movement

Dronster

RANGE OF MOVEMENT

The front arm on the Dronster can be raised up to 1 meter and can carry up to 800 kg in weight.



The only one of its kind

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Mobility

Dronster

Easy to move

Thanks to its compact design and low weight of 1,450 kg, the Dronster can be moved by air in helicopters or with compact double axle trailers with 1,300 kg on each axle.



Multi-purpose

Dronster

Quick and easy implement and accessory coupling

The Dronster stands out for the unique feature of being able to use two implements simultaneously on the front and back with hydraulic pistons.

- > **The front implement** stands out due to its unique hoisting capability (1 meter) which allows operators to adapt the operating and clearing capacity to the actual needs in the emergency sector.
- > **The rear implement** makes it possible to couple a large variety of accessories such as a shovel, skid unit with a water tank, support with winders, forestry winch, etc. to give the Dronster unique versatility in the emergency sector.



**Rear
coupling
points**
Quick and easy
installation



Coupling points
Quick and easy installation



Front implement Hammer head

100 cm hammer head
designed to achieve the most flexible and compact Dronster version.



Front implement Hammer head with fixed Widea tip

Hammer head with 130 cm fixed Widea tip,
ideal for wildland forest management work.



Front implement Trencher

A necessary tool for creating trenches and fire perimeters in organic matter or subsoils.



Rear implement Rear shovel

Used in combination with front implements and adapted to the back of the machine, it's used to move away and drag the remains of combustible materials produced by the chopper, as well as rocks and thick fuels.



Upper implement Monitor

An essential tool for remote high-risk structural or industrial fire extinguishing.



Front implement Snow plow

Used to clear snow from trails or other areas.

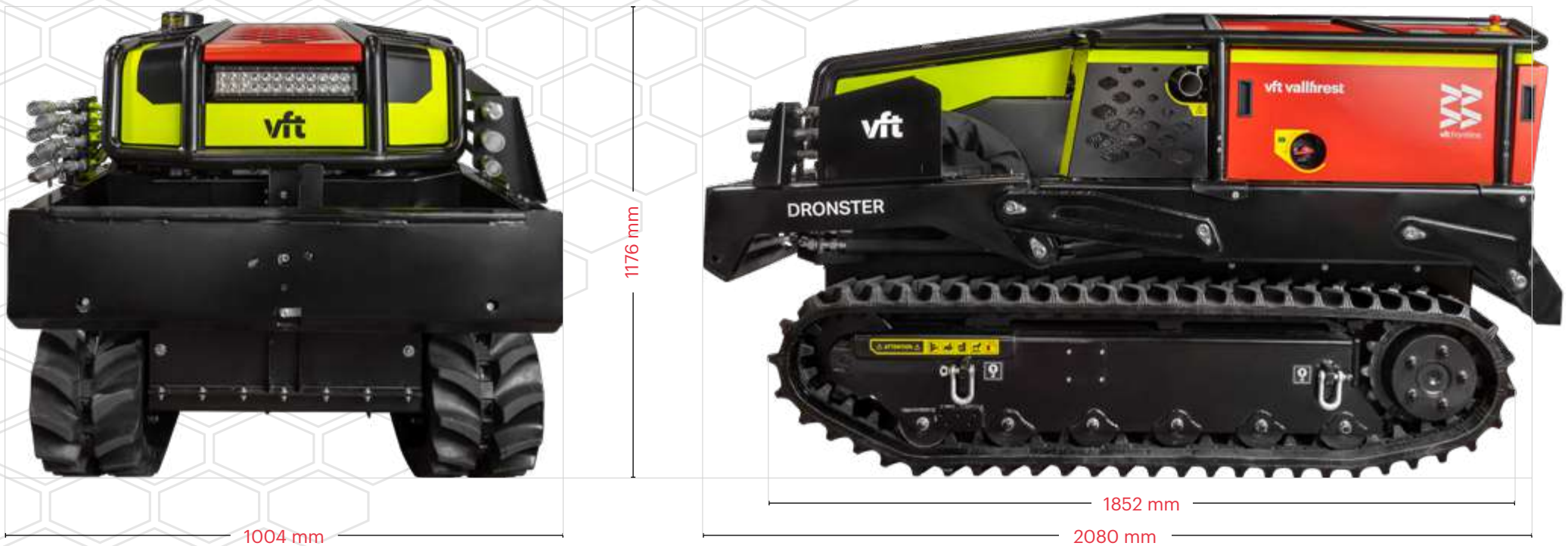


Rear implement Winch

Hauls heavy logs and branches to clear land.

Technical data

Dronster



Dronster

Maximum difference in level	40°
Traction	Axial piston engines Rubber tracks
Low speed range	0-5 km/h
High speed range	5-10 km/h
Weight without accessories	1460 kg
Weight with front implement installed	+550 kg

Engine

Make	Hatz
Type	4-stroke 3-cylinder
Power	59 HP / 44 kW
Operating RPM	1000-2200
Fuel tank capacity	27 L
Oil tank capacity	28 L

ECU

CPU	RISC Dual Core 1.6 GHz
Electronic components protection	IP 65 Protection
Remote control	Rechargeable batteries
Control panel	5" touchscreen Time Levels Temperature



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