

SNOW-KILL

THE WIDE SNOW REMOVAL MACHINE FOR HIGHWAYS AND EXPRESSWAYS





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The development of the **Snow-Kill** is the result of several years of research and development, and 4 years of real-world testing on the French highway network.

This work has resulted in obtaining several patents for Europe, the Nordic countries, Eurasia, and China



A revolutionary snow removal vehicle for highways and expressways

INNOVATIVE TECHNOLOGY

The **Snow-Kill** is a two-axle articulated snowplow, towed by a standard snow removal vehicle with two or three axles.

By positioning itself diagonally in motion, it clears an additional lane to the right of the towing vehicle, allowing a single operator to clear and treat two complete lanes simultaneously.

Using the **Snow-Kill** eliminates one out of two combustion engines.

It operates solely using the electric and hydraulic energy of the tractor.

The **Snow-Kill** can simultaneously use a 9m³ salt spreader or a 10,000-liter brine sprayer. These devices are connected to the hydraulic circuit of the towing truck.

A 6x4 type truck can also be equipped with a 10,000-liter brine sprayer as a supplement.

The **Snow-Kill** can operate at speeds of up to 85km/h.



MASSIVE SAVINGS

The **Snow-Kill** allows for a reduction in snow removal costs of over 50% thanks to three levers:

A low operating cost :

The **Snow-Kill** only requires one Operator instead of two for a traditional Snowplow Train.

This 50% reduction in labor costs also brings greater ease in program and schedule management.

The elimination of one thermal engine out of two reduces fuel consumption by 40% to 45%.

The **Snow-Kill** also allows for a 15% reduction in road treatment products thanks to a single and optimized distributor.

A reduced investment :

The purchase cost of a **Snow-Kill** is about 40% lower than that of an equipped truck.

Its lifespan is about 30 years compared to 12 for a truck.

The use of the **Snow-Kill** generates savings in insurance costs.

A reduced maintenance cost :

The **Snow-Kill**, not having any engine-transmission block, its maintenance is much less expensive, simpler and faster.

Maintenance costs, maintenance frequency and immobilization times are all divided by 5 compared to a comparable snowplow truck.





ENHANCED SAFETY

Snow-Kill is a machine that complies with European standards. It has been designed with a constant concern for safety:

Passive safety :

The Snow-Kill is equipped with standard disc brakes with EBS, ESP, and an Anti-Rollover Device (European road standards).

In case of emergency, the Snow-Kill can switch from the «oblique work» position to the «towed trailer» position in less than 10 seconds.

The Snow-Kill is equipped with cameras to facilitate the operator's work.

Operating safety :

The Snow-Kill and its towing vehicle form an impassable barrier across the entire width of the two lanes. It significantly increases the safety of the Operator and road users by making any overtaking maneuver impossible.

The Operator is warned of any intrusive attempt on the left side.

Improved snow-clearing quality :

The Snow-Kill and its tractor truck allow for the full coverage of both traffic lanes unlike a traditional snowplow train.

They eliminate the risk of a snow ridge that can form in the center of the two lanes.

AN ENVIRONMENTAL IMPACT DRASTICALLY REDUCED BY 45%

Removing one of the two combustion engines reduces fuel consumption by around 40-45% and therefore reduces emissions of pollutants such as CO², nitrogen oxides, particulate matter, carbon monoxide, unburned hydrocarbons, etc.

The Snow-Kill also reduces the consumption of winter treatment products.

Moreover, it allows saving on scraping tools while ensuring better quality.

USING THE SNOW-KILL MEANS:

- One single vehicle with a thermal engine instead of two
- One operator instead of two
- A reduced and sustainable investment of 40%
- Minimized maintenance costs and delays
- Increased safety for everyone
- A significant 45% reduction in pollution.



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