## It's

 time to change!local regulations force winter operations for a different approach

SNOWCUBER
潾 SNOCOM ${ }^{\circ}$

## It's time to change!

## Experience the most revolutionary snow machine.

Reduction in environmental footprint due to



檪 Compressing the amount of snow up to a factor of two. This will strongly decrease the amount of dump trucks on the road.

溸 Maintaining volume by controlled loading, of all kinds of snow without clogging


## Process vs Power

 An efficient approach for clearing safer.Accurate and controlled snow disposal

Snow compressing airholes


Sther

Unique and patented technique


## Features



楽 Easy to maintain
檪 Easy to operate
檪 Standard parts
檪 All stage independently hydraulically adjustable


Easy to empty the compressor when you reverse the direction of rotation of the auger．


Hydraulic Power Unit（HPU）
檪 Powerful and stable hydraulic flow
檪 Hydraulic cooling unit
潾 Controlled by rear PTO


Easily access to the impeller for maintenance．


Multifunctional joystick


Hydraulic drive 180 degrees rotatable chute


Logically build-up control panel



Amsterdam Airport Schiphol
Fleet management
"SNOCOM's snow compression technology is a real innovation. As a development partner and launching customer, Amsterdam Airport Schiphol supports the further development of the Snowcuber in several areas."

## Wet snow removal



The SNOWCUBER is capable of easily clearing all sorts of snow. The impeller effortlessly launches wet snow into the compression module.

## Accurate and controlled snow disposal



The SNOWCUBER is able to accurately load snow into the dump truck. Maximizing load capacity and decreasing the amount of dump trucks.

## Technical specifications

## External requirements:

For the drive and connection of the Snowcuber
a tractor is required with the following specifications:

| TRACTOR |  |
| :--- | :--- |
| Min. front linkage lifting force | 25 kN (cat 2) |
| Min. rear linkage lifting force | 20 kN (cat 2) |
| Min. Power tractor | $105 \mathrm{~kW}(143 \mathrm{hp})$ |
| Min. Power Take Off (PTO) | $90 \mathrm{~kW}(122 \mathrm{hp})$ |
| PTO-driveshaft connection | $1-3 / 8^{\prime \prime} \mathrm{Z6}$ Spline shaft |
| PTO shaft speed | $1.000 \mathrm{n} / \mathrm{min}$ |
| Electric supply | 12 VDC |
| Controls | ISOBUS conform ISO $11783-2$ |

## HYDRAULIC POWER UNIT (HPU)

| Max. working pressure | 260 bar |
| :--- | :--- |
| Max. output flow | $187 \mathrm{I} / \mathrm{min}$ |

## Dimensions

| Overall length | 1.200 mm |
| :--- | :--- |
| Overall width | 1.480 mm |
| Overall height incl. pedestal | 1.775 mm |
| Mass excl. fluids | 875 kg |
| Mass incl. fluids | 1.200 kg |
| Capacity |  |


| Hydraulic oil tank capacity | 500 L |
| :--- | :--- |
| Hydraulic oil tank max. filling volume | 350 L |
| Hydraulic oil/air cooler max. capacity | 35 kW (air temp. $0^{\circ} \mathrm{C}$ ) |



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## Technical specifications

| HYDRAULIC POWER UNIT (HPU) |  |
| :--- | :--- |
| Electric connections |  |
| Controls | ISOBUS conform ISO 11783-2 |
| Emergency stop | 12 V Harting 4P Serie Han-A |
| Lighting | 7 P connector conform DIN ISO 1724 |
|  | 2.550 mm |
| SNOWCUBER | 4.480 mm |
| Length | 2.470 mm |
| Max. width in operating position <br> (snow outlet, slide fully extended) | 3.790 mm |
| Max. width in transport position | 1.870 mm |
| Max. height | 900 mm |
| Max. working width | 1.815 kg |
| Diameter impellor | 1.990 kg |
| Mass no options |  |

lectric connections
Controls ISOBUS conform ISO 11783-2

## OPERATING AND ENVIRONMENTAL CONDITIONS

| Ambient temperature | -20 to $+5^{\circ} \mathrm{C}$ |  |
| :--- | :--- | :--- |
| Max. snow height | 600 mm |  |
| Max. slope of working area in all directions | $15^{\circ}$ |  |
| Max. speed during snow removal operation | $5 \mathrm{~km} / \mathrm{h}$ |  |
| Max. speed during movements | $25 \mathrm{~km} / \mathrm{h}$ |  |



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SNOCOM's Snowcuber is the answer to snow-related issues in inner cities, ports, airports and logistics centers.

## Great advantage compared to existing methods!

## Snowcuber SNOCOM

## Now is the time for changes

## Below are the advantages of the Snowcuber compared to existing methods:

The Snowcuber is compact and can therefore easily be deployed in inner cities, ports, airports and logistics centers. The Snowcuber turns the snow into a compact mass, allowing $20 \%$ to $50 \%$ more snow to be disposed of with less transportation, which is better for the environment. Significant reduction in fuel and emmisions!

The snow leaves the Snowcuber through a tube, which allows the snow to fall quietly and without splashing into the truck, thus guaranteeing the safety of people and traffic.

Because the snow is deposited into the truck with less force, the load of snow slides more easily out of the truck when unloading.
Compressing the snow means that the volume at the unloading site is reduced.
The snowcuber can work in / with all kind of snow - no more jamming machines caused by wet snow.
Significant reduction of operational expenditures with proven return of investments.
The snowcuber is ready for low-emission mobility.

Engineering \& Production

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