

**Snow blowers and sand
spreaders for tractors**

2019-2020



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ALA-TALKKARI'S WIDE RANGE OF FINNISH SNOW BLOWERS AND SAND SPREADERS HAS SOLUTIONS FOR EVERY NEED.

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Veljekset Ala-Talkkari Oy is an expert in environmentally friendly heating systems, specialising in heating with wood. We have over 60 years of experience in heating solutions. Our main products are central biomass heating boilers (30-990 kW) and low-emission biomass devices (solid fuel bio-burning equipment, 30-990 kW.) We also manufacture Veto Cont biomass heating containers (60-2,000 kW.) Our heating systems are suitable for heating private houses as well as large premises (farms, industrial buildings, etc.)

Our product range also includes environmental management equipment. We produce V snow blowers, lateral screw snow blowers and sand spreaders for tractors. Veljekset Ala-Talkkari Oy also subcontract machining for various customers. We have been producing environmental management machines since the 80s. Our headquarters and factory are located in Hellanmaa at Lapua, in South West Finland.

Teknical details:	AT 231	AT 251 2G	AT 251 V 2G
Operating/transportation width mm:	2300/2400	2550/2620	2500/2630
Fitted with a drift cutter mm:	2400	2730	2715/2800
Clearing width mm:	2300	2550	2500
Power requirement kW:	33-60	50-80	65-
Weight kg:	480	770	940
Feed screw diameter mm:	diameter 650, 2-headed	diameter 650, 2-headed	diameter 980, headed
Blower impeller quantity/strength mm:	4/8	4/10	4/10
Feed screw diameter mm:	650	800	1020
height of PTO shaft from ground mm:	400	460	560
Feed of screw depth mm:	270	330	400
3-point hitch/A-frame:	KAT 2/no	KAT 2/yes	KAT 2/yes
Blade	smooth/serrated	perforated grader blade + glide surface	perforated grader blade + glide surface
Blade material mm:	Hardox 500/10	600 HB/9	600 HB/9
Screw-attachment rear blade/material mm:	no	yes/Hardox 400/12	yes/Hardox 400/12
Spline shaft:	1 3/8	1 3/4	1 3/4
Cardan shaft included in the delivery/type	no	yes/EGT 80	yes/EGT 80

Accessories:

Hydraulic drum rotation selection,	Whel equipment,	Wheel equipment,
Drif cutter	Drif cutter	Wing extension right, Wing extension left



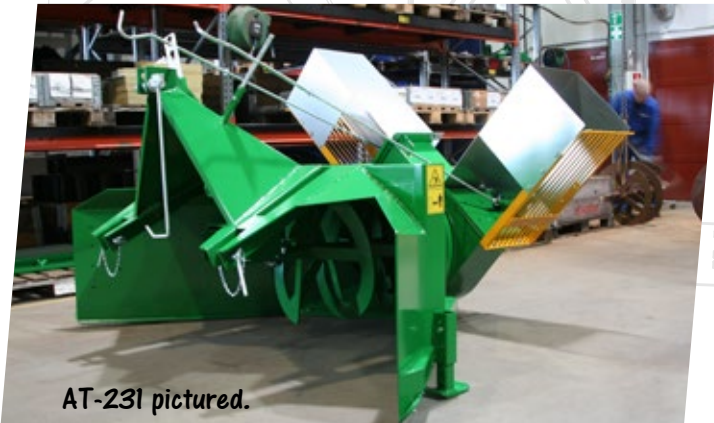
The lacquered paint finish stays glossy and tidy (pictured: AT-251 V 2G.)



The hydraulic snow hatches have hinges on top that allow you to control the flow of snow (AT-251 26 pictured).

2-Tube V snow blowers

AT-231 is a great affordable solution designed for 45-90 hp tractors. This snow blower is popular with our customers - over 15,000 units have been produced so far. Its advantages are its strong frame structure and optimal wing angle. AT-231 is the best tool for its size on the market when it comes to managing wet snow. Hydraulic snow hatches are available as an extra accessory.



AT-231 pictured.



Perforated grader blades and adjustable supports are included as a standard (AT-251 26.)

The AT-251 2G model has been completely re-designed in 2018. It is especially well suited for tractors with 70-110 hp. The snow blower has a new asymmetrical frame structure that allows snow intake at maximum efficiency thanks to its optimal wing angle.

The efficient feeder mechanism is fitted with eight swinging blades as well as with a quiet and fuel economical throwing impeller with fixed blades. The hydraulic snow hatches have hinges on top so you can control the flow of snow by adjusting the position of the hatches.

As a standard, the AT-251 2G model has a perforated grader blade and a separate protective blade on top of it made from wear resistant steel. Snow glides along the blade effortlessly but still has an adequately coarse finish. The rear blade has a screw attachment. Wheel equipment and wing-attached drift cutter available as accessories.

Cardan shaft with a one-way clutch included in the delivery.

AT-251 V 2G is a brand new snow blower model with a speed reduction gear for 90-150 hp machinery. Despite its name, the V model is notably more massive than its direct drive sister model. A higher frame structure and a 1-metre diameter throwing impeller guarantee maximum efficiency even in heavy snow. The standard operating width of the blower is 2.5 metres; this can be extended to 2.75 m with the wing extensions that are available as an accessory.

The blower is fitted with a wide range of standard equipment, including hydraulic snow hatches with hinges on top for controlling the flow of snow, non-stick plastic-coated wings, screw-mounted rear blade and wear-resistant double perforated grader blades with glide surface.

The AT-251 V 2G - model has a high-quality, heavy-duty speed reduction gear. The speed reduction gear allows for clearing large masses of snow with relatively little tractor power. In addition, the reduction gear makes the blower significantly more fuel efficient than the direct drive blower.

Cardan shaft with a one-way clutch included in the delivery.

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The various accessories available for ATS 250 2G include wheel equipment.



Efficient blade feeding mechanism works even under the most challenging conditions.

ATS 250 2G 1-tube V-snow blower

The ATS-250 2G is a 1-tube snow blower that is especially well suited for tractors with 70-110 hp. The snow blower has an **asymmetrical frame structure** that allows snow intake at maximum efficiency thanks to its optimal wing angle. The structure of the snow blower is based on the 2-tube, direct drive model AT-251 2G.

The 1-tube snow blower is especially well suited for suburban environments and property management where precision and safety are key demands. The snow funnel has a dynamic design and the 2-part adjustable lip allows for directing snow flow where you want it. As a standard, the snow funnel is equipped with hydraulic funnel rotation and mechanical lip control.

As a standard, the AT-250 2G model has a perforated grader blade and a separate protective blade on top of it made from wear resistant steel. Snow glides along the blade effortlessly but still has an adequately coarse finish. Wear blocks under the wings protect the machinery from impact against kerbs. The rear blade has a screw attachment.

Hydraulic lip control, wheel equipment, loading extension and wing-attached drift cutter available as accessories.

Cardan shaft with a one-way clutch included in the delivery.

Technical details, ATS 250 2G:

Operating/transportation mm:	2550/2650
Fitted with a drift cutter mm:	2690
Clearing width mm:	2550
Power kW:	55-80
Weight kg:	760
Feed screw diameter mm:	diameter 760, headed
Blower impeller quantity/strength mm:	4/10
Fees screw diameter mm:	800
Fees screw depth mm:	310
Impeller chamber material:	Hardox 400
Spline shaft:	1 3/4
Height of PTO shaft from ground mm:	440
V.O.A. rotation speed, r/min:	540
3-point hitch/A-frame:	yes
Blades:	perforated grader blade + glide surface (Hardox 400)
Blade material mm:	600 HD/9
Screw-attachment rear blade/material/mm:	yes/Hardox/400/12
Adjustable legs:	3 pcs
Back support:	yes
Snow tunnel rotation:	hydraulic 220°
Cardan shaft included in the delivery/type:	yes/EGT 80
Accessories:	Drift cutter, Wheel equipment, Hydraulic lip control, Loading extension for the snow tunnel

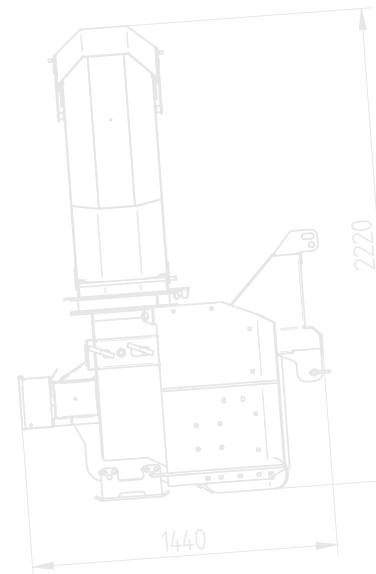
Nordtec lateral screw snow blowers for professional use

Ala-Talkkari's lateral screw blowers are available in two ranges, the ATF and ATP models. All Ala-Talkkari's lateral screw snow blowers are equipped with a reversible hitch so that the blowers can be pushed or pulled, and they are compatible with both front and rear lifting devices. The ATF type snow blowers are designed for agricultural use, property management and other smaller scale projects. Thanks to the low power requirement of the ATF model, it is well suited for small and mid-sized tractors.

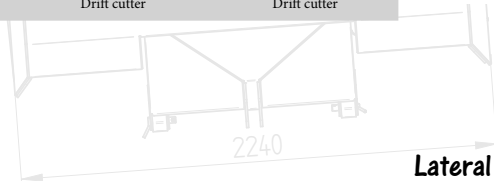
The ATP range models on the other hand are designed for heavy use with features quite unmatched on the market. Top-of-the-range development makes the ATP blowers reliable and efficient machines that are easy to maintain, with attention to the little details. A wide range of accessories are available for the ATP models for different needs. The abbreviations 2G and 3G come from the words 2nd generation and 3rd generation. Our screw snow blowers have been developed to become ever better and more efficient; the development of the new range is the result of years of experience.

Teknical details:	ATF 226 3G	ATF 246 3G	ATP 256 2G	ATP 276 3G
Operating/transportation mm:	2240	2460	2560/2610 (kulutuspaaloilla)	2760/2810 (kulutuspaaloilla)
Fitted with a drift cutter mm:	2350	2550	2665	2865
Clearing width mm:	2100	2320	2410	2520
Power kW:	35-60	48-80	74-110	100-200
Weight kg:	745	810	1250	1450
Feed screw diameter mm:	360	400	460	460
Blower impeller wing quantity/strength mm:	3/8	4/10	4/10	4/10
Feed screw diameter mm:	710	710	810	880
Feed screw diameter mm:	300	300	370	370
Impeller chamber material:	Hardox 400	Hardox 400	Hardox 400	Hardox 400
Spline shaft:	1 3/8	1 3/8	1 3/8	1 3/8
Height of PTO shaft from ground mm:	470	470	520	545
V.O.A. rotation speed, r/min:	540	540	520 (1000 front)	520 (1000 front)
3-point hitch/A-frame:	yes	yes	yes	yes
Reversible blade:	serrated/serrated	serrated/serrated	serrated/serrated	serrated/serrated
Blade material/mm:	500 HB/12	500 HB/12	500 HB/15	500 HB/15
Screw-attachment side blade/material/mm:	yes/Hardox 400/10	yes/Hardox 400/10	yes/Hardox 400/10	yes/Hardox 400/10
Adjustable legs:	yes/2 kpl	yes/2 kpl	kyllä/2 kpl	kyllä/2 kpl
Snow tunnel with a 2-phase lip:	yes	yes	yes	yes
Snow tunnel rotation	yes, hydraulic 220 °	yes, hydraulic 220 °	yes, hydraulic 220 °	yes, hydraulic 220 °
Hydraulic lip control	no	no	yes	yes
Wheel equipment	no	no	no	yes
Cardan shaft included in the delivery/type:	yes/EGT 60	yes/EGT 60	kyllä/T 80	kyllä/T 80

Additional equipment:	ATF 226 3G	ATF 246 3G	ATP 256 2G	ATP 276 3G
Wheel equipment,	Wheel equipment,	Wheel equipment,	Wheel equipment,	Loading extension for the snow funnel,
Hydraulic lip control	Hydraulic lip control,	Hydraulic lip control,	Loading extension for the snow funnel,	Sprung trailer hitch,
Loading extension for the snow funnel,	Loading extension for the snow funnel,	Loading extension for the snow funnel,	Sprung trailer hitch,	Drift cutter
Drift cutter	Drift cutter	Drift cutter	Drift cutter	



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Lateral screw snow blowers are compatible with rear lifting devices.

The minimum transportation height of the hydraulic loading funnel is 2.8 m; the maximum transportation height is 4.2 m.



SL 1000 sand spreader

The SL 1000 model is designed for loader use and is suitable for spreading sand or crushed rock on yard and road areas. This sand spreader is compatible with various kinds of machinery, including tractors, wheel loaders and property maintenance machines.

SL 1000 has a low frame and sturdy body that guarantee good visibility. The upwards widening design of the dipper protects the machinery and device controls. The sand spreader can be filled with the dipper straight from a pile.



The upwards widening design of the dipper protects the machinery and device controls.



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The crusher efficiently prevents blockages in the sand spreader.

Technical information:

- Power for the spreader comes from the hydraulics of the tractor
- Standard stepless speed control of the spreader drum with the flow control valve
- A mixing shaft that effectively crushes material regardless of material quality
- Crusher blades and spreader drum flaps made from wear resistant steel.
- Impermeable structure that does not leak sand during transfer
- Manual 5-step coarse adjustment for materials of different quality on the flow control valve
- Quick dump of sand

SL 1000, technical details:

Tank capacity m ³ :	1
Operating length mm:	2050
Weight kg:	475
Total width mm:	2310
Total height mm:	1000
Total length mm:	990
Hydraulic system requirements l/min, bar	35, 120
Standard coupling:	Euro 8 or Trima

Additional equipment:

Various coupling options such as Isme, Valtra- Vila ja HMV-SMS (ask the manufacturer about their availability.)

Protective cover



The sander is impermeable and leak-proof.

SL 1400 sand spreader for professional use

The SL 1400 model is designed primarily for lifting devices and is suitable for use on yard and road areas. The SL 1400 has a sturdy body and an excellent finish. The sand spreader can also be fitted with a subframe that has various loader attachment couplings available.

For lifting use, the sand spreader can be made self-loading with a telescopic cylinder that is available as an accessory. In this case, fill the sand spreader by backing it into the pile. The upwards widening design of the dipper protects the machinery and device controls.



SL 1400, technical details:

Tank capacity m ³ :	1,5
Operating length mm:	2050
Weight kg:	625
Total width mm:	2310
Total height mm:	1265
Total length mm:	1320
Hydraulic system requirements l/min, bar	35, 120
Standard coupling:	Euro 8 or Trima

3-point hitch KAT 3 (also KAT 2 with pivot bolt)

Possibility for Euro 8 coupling without the subframe

Additional equipment:

Subframe that is compatible with almost any screw-mounted loader attachment coupling (Volvo, Isme, Valtra- Vila and HVM-SMS.) Ask the manufacturer about availability.

Hydraulic telescope push pole (tensile force 6,000 kg, installation length 630 mm, max length 1,255 mm.)

Protective cover

Technical information:

- Power for the spreader comes from the hydraulics of the tractor
- Standard stepless speed control of the spreader drum with the flow control valve
- A mixing shaft that efficiently crushes material regardless of material quality
- Crusher blades and spreader drum flaps made from wear resistant steel.
- Impermeable structure that does not leak sand during transfer
- Manual 5-step coarse adjustment for materials of different quality on the flow control valve
- Quick dump of sand

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Control the volume of the sand with the stepless hydraulic flow control valve.



Reliable environmental management machinery suitable for Nordic conditions from Ala-Talkkari...

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The manufacturer reserves the right to changes.

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