ELIET®

SNOWBOB 9018 T

SNOW BLOWER

READY FOR WINTERSPORT

ELIET SNOWBOB 9018 T TURNS CLEARING SNOW INTO A SPORT

In its design of the Snowbob 9018 T, ELIET has deliberately reached back to the essence of snow clearing, thus to develop an innovative and result-oriented design. In working out the concept, ELIET drew inspiration from the sport of bobsledding, where speed, steering precision, road stability, as well as weight distribution are central indispensable elements in the quest for an Olympic medal. And these are exactly the properties that ELIET has adopted as essential factors in its design of the snow blower. Endowing its Snowbob 9018 T with power, speed, simplicity and comfort as the most important design criteria, ELIET has created a compact, powerful, high-performance machine capable of dealing with the most daunting tasks of snow clearing while maintaining a total focus on achieving the desired results.

With the introduction of the ELIET Snowbob, the job of clearing snow is turned from a chore into a SPORT.

MADE *in* BELGIUM
ELIET NV

MADE IN BELGIUM

All ELIET machines are designed and manufactured in Otegem (Belgium). Before and during the development of the Snowbob 9018 T, Eliet engineers were in constant contact with professional end users to build a snow plough that perfectly fits the specific needs and requirements of snow-rich areas in Europe. The central location of the Eliet factory allows for a 24-hour supply service of machine parts even in the event of a stock-out in the distribution network. This safeguards the operational safety of the Snowbob.

OFFICIAL SPONSOR BOB TEAM BELGIUM

www.bobteambelgium.be

ELIET SNOWBOB 9018 T
MULTIFUNCTIONAL JOYSTICK

ALL-IN-ONE™ JOYSTICK

Snow clearing demands utmost concentration on the part of the operator of the machine. One has to take into account the type of snow to be cleared and adjust the speed accordingly. The machine operator likewise needs to be alert for possible obstructions beneath the snow and has to maintain firm grip on the snow in order to steer the snow blower into the right direction.

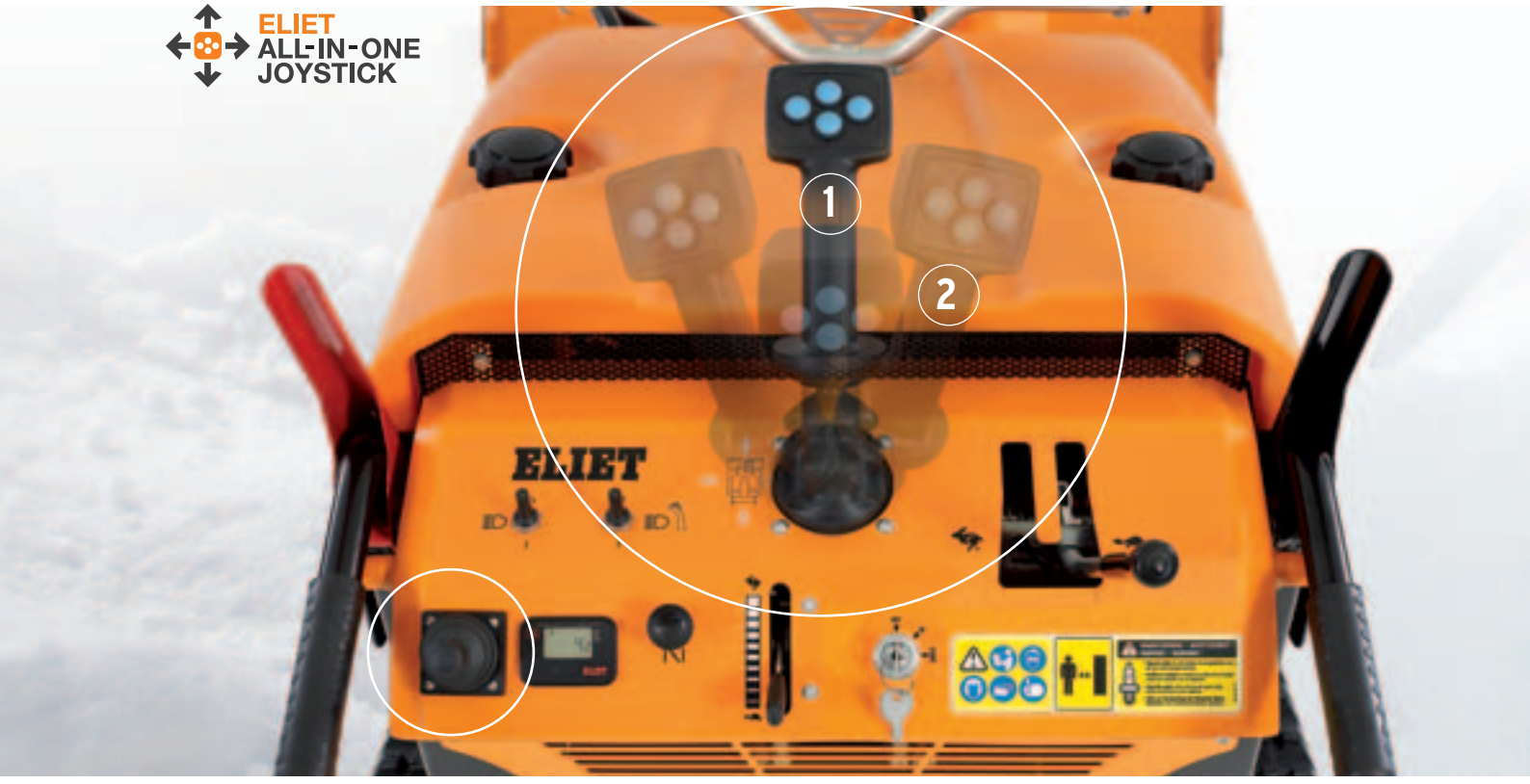
There is also the hazard of blowing the snow the wrong direction, necessitating prompt readjustment of the positions of both the blow chute and the directional deflectors. But, above all, the snow has to be removed as neatly and cleanly as possible, which required not a small degree of skill in setting the position (height and angle) of the snow clearing head. Given all of the above requirements, it is no surprise then that the control dash board on most of the snow blowers is loaded with levers and buttons to operate all of those actions. An inexperienced operator will require quite a bit of training before being able to master the intricacies of the machine. ELIET has taken a different tack to this:

For the first time ever on the market, ELIET introduces the multi-function joystick control. This is a centrally positioned joystick encompassing 5 essential functions for operating a snow blower:

1. Determination of the driving speed of the machine
2. Steering of the snow blower
3. Adjusting the discharge chute's orientation (left – right)
4. Control of the deflector flaps (upwards- downwards)
5. Lifting the snow clearing head

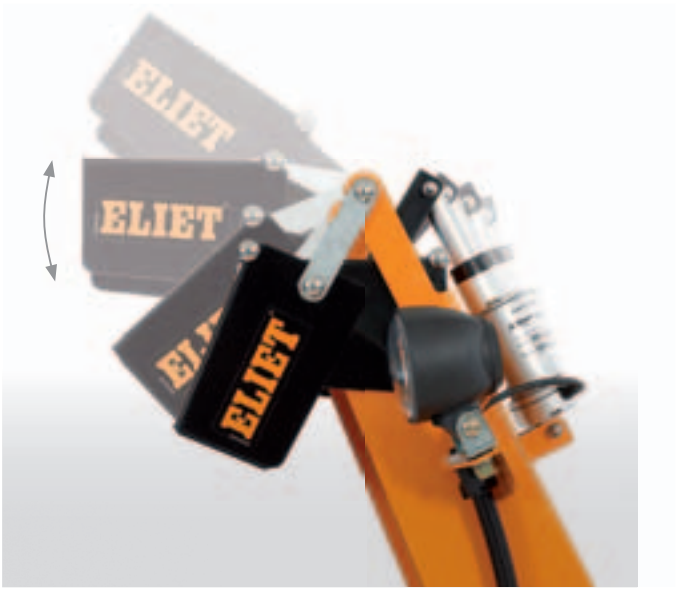
1. DETERMINATION OF
THE DRIVING SPEED OF THE MACHINE
The double hydrostatic pump allows the operator to control the proportional speed of the Snowbob, both forwards and backwards, by simply moving the All-In-One(TM) Joystick forward or backwards.

2. STEERING OF THE SNOW BLOWER
The joystick can also be moved sideways for separate drive on the caterpillars: pushing it to the left will increase the drive on the right hand caterpillar, and the machine will make a proportional turn to the left. Similarly, a push to the right will make the machine turn to the right.



3. 225° VARIABLE BLOW CHUTE

The position of the discharge chute is electrically controlled and is located on the joystick for ready access. Within a rotation range of 225°, the operator can easily and safely fix the direction in which he wishes to throw the snow.



4. DEFLECTOR FLAPS

The directional deflector flaps on the discharge chute can be remote controlled electrically from the All-In-One™ joystick. Two thumb-activated push buttons make lifting or lowering the stream of discharged snow very convenient. Moreover, the electric actuator has been mounted right by this dual deflector flaps, which eliminates the need for using long push-pull cables.

5. THE RED BUTTON

When, during the snow-clearing operation, one wants to go into reverse, it is recommended that the auger be lifted up. In order that this may be do done quickly and efficiently, ELIET has placed a red pushbutton on the back of the joystick which can be controlled with the index finger when moving in reverse. A significant advantage is that the operator can himself determine how high he wants to lift the snow clearing head, which can save time when, immediately following, the auger needs to be lowered again to continue clearing the snow.

ELIET SNOWBOB 9018 T
EFFICIENT CONTROL DASH-BOARD

LEFT HAND SIDE CONTROL

In the design of the instrument control dash-board, ELIET has given a control function to the operator's left hand, which normally rests passively on the emergency (safety) lever. A small electrical joystick is positioned in such a way that it can be activated by the left thumb only.

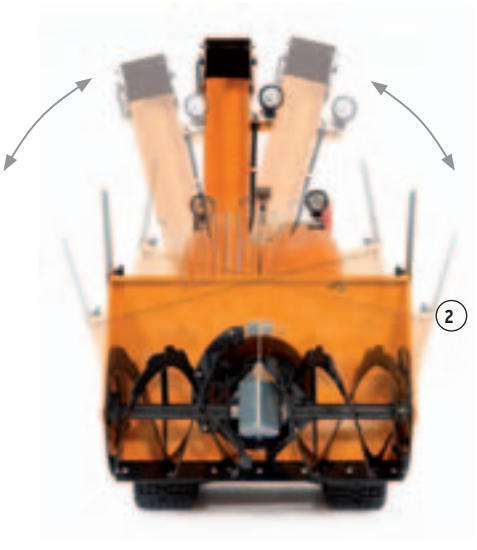
It serves to control the position of the snow clearing head. By involving the left hand, the operator can in essence control all of the fundamental components of the machine without having to move his hands away from their normal positions.

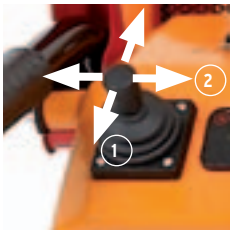
DUAL SPEED MODE

There is a big difference between the operating speed and the speed that one might want for fast commuting between two work locations. For this reason, ELIET has equipped the Snowbob with a dual speed mode (work/transport). Before compressing the emergency (safety) lever, one can, with a selection stick, select the desired mode and, within the chosen speed mode, set the following speeds with the central All-In-One™ joystick (operating mode : -1.5 km/hr < 0 > +1.5 km/hr, and transport mode - 5 km/hr < 0 > +5 km/hr)

SNOW CLEARING HEAD CONTROL

The Snowbob's auger has an operational width of 90 cm and a clearing height of 62 cm. In cooperation with Parker, an electro-hydraulic linear actuator was developed whereby the snow clearing head can be lifted from -30 mm to +200 mm. Moving the snow clearing head from its nethermost to its uppermost position takes less than 5 seconds (1). The same actuator is used to tilt the auger sideways over an angle of 18° to the left or to the right (2).





Parker

ELIET SNOWBOB 9018 T
LATEST DESIGN FOR ULTIMATE PERFORMANCE

THE AUGER UNIT

When you look at the auger unit, you see sturdy reliability. The serrated auger has an aggressive set of teeth to resolutely bite its way into and through even frozen snow and ice. ELIET opted for 5 mm Hardox® steel that turns the auger unit practically impervious to wear and tear even under the most challenging conditions. Inside its housing, the auger is supported by solid cast-iron bearing flanges provided with grease nipples.

HARDOX®

1. AUGER PROTECTION

1.1 Armour plating

The transmission gearbox has been provided with a solid protective armour-cover to ensure increased protection in case one encounters a hidden obstacle. The wedge shape of this armour ensures less resistance and better guidance of the snow towards the suction impeller.

1.2 Friction clutch

The replacement of shearing bolts is no longer a problem with the ELIET Snowbob. ELIET protects the auger by means of a friction disk clutch. When the auger is obstructed by a stone, for instance, the friction coupling slips through. In such an instance, it suffices to remove the obstruction to get going again. The torque setting to slip is furthermore easy to adjust.

EASY MAINTENANCE

Aside from a machine's operating reliability, it is equally important for the operator to be able to service his machine as rapidly as possible and with the least possible effort. Just as it is the case with racing cars, the side doors on the Snowbob open upwards and thus provide easy access for the maintenance of all machine parts such as the motor, belts, hydraulic filters, and others.

DESIGN

When designing the Snowbob 9018 T, the ELIET CREATIVE LAB™ found once again a symbiosis between aesthetics and functionality. The streamlined housing reflects the dynamic potential of this snow blower. It is not, however, readily obvious that this aesthetic eye-catcher likewise serves as the tank for the hydraulic oil, the fuel tank, the cooling air-duct, the noise-damping, the safety shield, and the carrier of the lighting system. This is what the ELIET people mean by the concept of Design!

2. PTO DRIVE SHAFT

The moveable snow clearing head is powered by a telescopic joint drive shaft transmission. This offers the significant advantage that the cutter head can quickly be taken apart for maintenance. In addition, other attachments can be mounted and powered on the multi-functional support system.

3. TRACKS

In the centre, the tracks are being supported by two solid rollers that are hung up in balancing suspension, thus ensuring that the track follows the surface configuration of the ground and maintains maximum contact with it. This track system was developed in a delta shape. The high-elevated part in the rear, for instance, is very much appreciated when the machine has to be driven across a threshold or over an obstacle.

HIGH CAPACITY

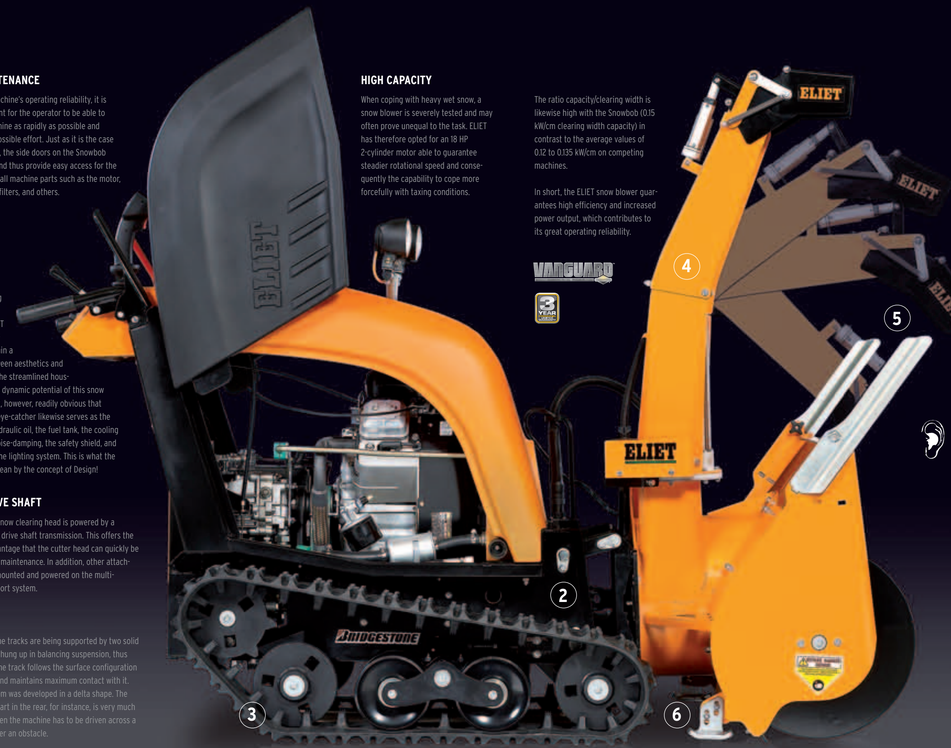
When coping with heavy wet snow, a snow blower is severely tested and may often prove unequal to the task. ELIET has therefore opted for an 18 HP 2-cylinder motor able to guarantee steadier rotational speed and consequently the capability to cope more forcefully with taxing conditions.

The ratio capacity/clearing width is likewise high with the Snowbob (0.15 kW/cm clearing width capacity) in contrast to the average values of 0.12 to 0.135 kW/cm on competing machines.

In short, the ELIET snow blower guarantees high efficiency and increased power output, which contributes to its great operating reliability.

VANGUARD®

3 YEAR WARRANTY



4. COLLAPSIBLE CHUTE

To facilitate the transport of the snow blower inside a compact van, the discharge chute can be easily folded down, thus lowering the total height of the machine to 1,000 mm.

5. DRIFTCUTTER

A drift cutter has been fitted on either side of the auger housing. These drift cutters allow two settings, which can be adjusted easily without any tools. Drift cutters are needed for cutting away, and into, the snow banks piled up by the wind and accumulated at the top of a previously formed snow wall that has risen beyond the normal reach of the auger level.

NOISE LEVEL

Snow blowing is most often an early morning activity, before the day gets into gear and people get going. In order not to disturb people's nightrest, a muffled noise level is a much appreciated feature. With the Snowbob 9018 T, the motor sits hidden away within the belly of the machine, which works as a sound inhibitor. To limit the possibility of bothersome noise even further, ELIET had a special noise-damping exhaust pipe developed by the Danish exhaust systems specialist Dinex.

DINEX

6. SKID SHOES

The wide and solid high wear skid shoes have been mounted unobtrusively behind the auger housing and are adjustable in height.

7. SAFETY

When working with the snow blower, the operator needs to keep his left hand permanently pressed down on the red emergency (safety) lever. Should he run into a situation where he feels he is losing control, all operating functions on the machine will be halted as soon as he releases that dead-men's lever. As such, the operator's safety remains guaranteed in all conditions.

AUTONOMY

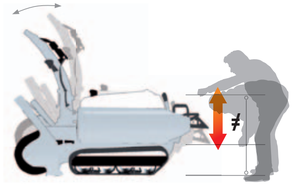
With a large 18-litre fuel tank, you have plenty of operating autonomy. The fuel filling cap is conveniently positioned and allows easy fill-ups even directly at the fuel pump. The orange tank is transparent so you can check the fuel level at all times.

8. DEFLECTOR FLAPS

The directional deflector flaps on the discharge chute can be remote controlled electrically from the All-In-One™ joystick. Two thumb activated push buttons make lifting or lowering the stream of discharged snow very convenient. Moreover, the electric actuator has been mounted right by this dual deflector flaps, which eliminates the need for using long push-pull cables.

ELIET SNOWBOB 9018 T
OPERATORS COMFORT

Eliet Snowbob



other brands

COMFORTABLE ERGONOMICS

Since the lift device for the snow clearing head operates independently from the machine's main frame, only the snow clearing head will move during the lift, while the rest of machine remains steady at a constant level. In contrast to many other machines, the Snowbob's control features on the control dash board will not be affected by this movement. As a result, the operator is able to maintain his comfortable ergonomic posture during the activity.

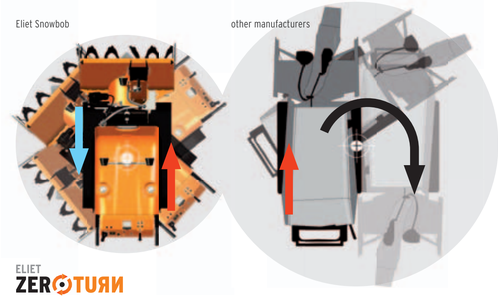
CONVENIENTLY ARRANGED OPERATING POSITION

Its large operating capacity notwithstanding, the Snowbob retains its compact and manageable dimensions. The outer housing of the machine is streamlined and slants down towards the front, thus ensuring that the operator maintains excellent visibility on the snow clearing head.

ELIET SNOWBOB 9018 T
ZERO TURN

ZERO TURN MANOEUVRABILITY

It is expected of professional snow blowers that they will clear the snow from any location. For that reason, practically all machines in this market segment come standard equipped with a reliable set of caterpillar tracks. When operating a snow blower, it is a question of minimizing the risk of the tracks skidding on slippery surfaces. Being able to maintain solid traction is a skill required from every operator. The ELIET Snowbob is fitted with a dual hydrostatic pump and each of the tracks has its own hydro motor. As such, the machine enjoys the comfort of a hydrostat that allows proportionate adjustment of the speed, both forward and in reverse. The operator himself sets the machine's speed accurately by moving the central All-In-One™ joystick on the instrument control board either forwards or backwards.



A revolutionary innovation on the market is the fact that the Snowbob, in contrast to other snow blowers, is not steered by cutting power to one of the tracks or by braking action on one track, but rather by actively controlling the individual speed for each track. By having one track run faster than the other, the operator can steer the machine along a wide curve, and by putting one track in drive and the other in reverse, he can pivot the snow blower on its own axis. And, once again, the control for making turns with the Snowbob is simplicity itself. The machine turns by simply moving the central joystick to the left or to the right. The farther the joystick is moved to this side or that, the tighter will be the radius of the turning movement.

This so-called Zero-Turn offers a number of significant advantages:

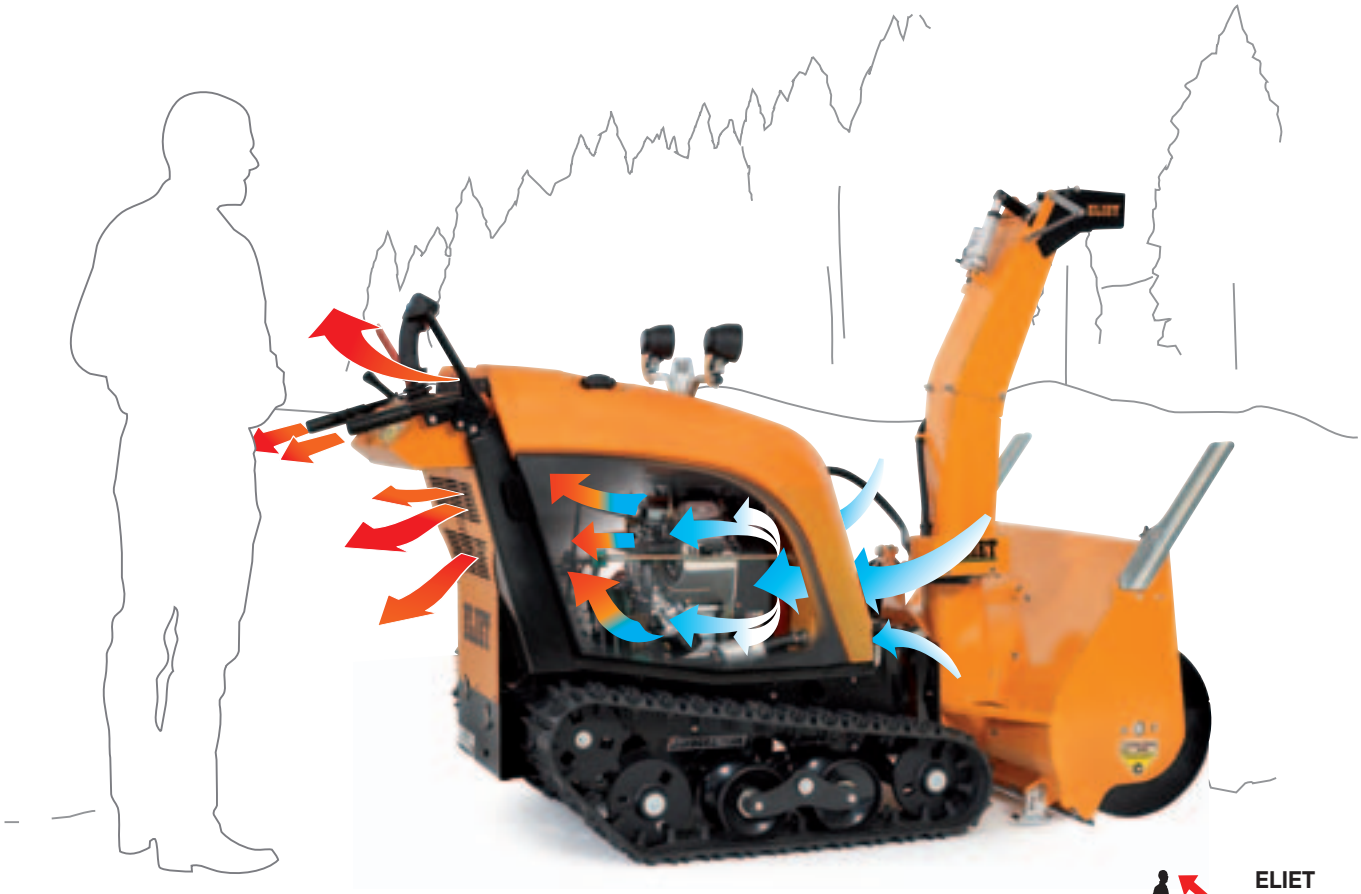
1. During the turn, both tracks remain in motion, thus maintaining a better grip on the snow and ensuring the operator of better control of the machine.

2. In contrast to other snow blowers, the Snowbob's pivotal point does not lie on the halted track but is located around a virtual axis line in the centre of the machine. As a result, the Snowbob does not at this pivotal point have to counteract the stiff resistance caused by the friction between the tracks and the contact surface, thus avoiding skidding of the powered track.

3. Starting the turning motion is for the Snowbob simply one continuous fluid movement. Other snow blowers tend to stall intermittently when they are making their turns, whereby the inertia of their mass accelerates the tracks' slippage when they start moving again.

4. When, during removal of heavy snow banks, the operator finds himself in a situation where the machine is on the verge of getting stuck in deep snow, the Snowbob, with its active power activated on both of its tracks, is more likely to dig itself out of trouble without outside help.

ELIET SNOWBOB 9018 T
THE SNOWBLOWER REINVENTED



ELIET HOT SPOT™

When the mercury dips beneath the freezing point, and there is furthermore a biting wind-chill that makes it even colder, one of the significant assets of the Snowbob 9018 T proves its full worth and value. The Snowbob has been provided with an operator heating system : ELIET Hot Spot™. The motor of the machine is completely built into the housing. The cool air that keeps the motor and the transmission at the optimal operating temperature is likewise being redirected inside the machine so that the now warmed air is channelled into the operator's direction. Via a large grating at the rear of the machine, this warm air is blown onto his lower body, while a small grating above and at the side of the control dash board also directs this flow of warm air onto his hands. Likewise, the handles of the machines are warmed by the same hot air flow.

Professional operators that have to use the machine on a daily basis are very appreciative of this extra touch.

ELIET CRUISE CONTROL

CRUISE CONTROL

The Snowbob 9018 T is extremely easy to use and can also be set to accommodate the operator's specific requirements. To set the snow blower's driving speed, the operator moves the central All-In-One™ joystick and maintains it in a given position. Some operators prefer to inhibit the speed settings when the hand releases this central joystick. This is a standard feature on the Snowbob and with a minor adjustment, such a cruise control function can be activated.

ELIET SNOWBOB 9018 T
TECHNICAL FEATURES

LIGHTING

In the winter months, daylight is short, which means that snow often has to be cleared before daybreak. It is therefore essential that good lighting is provided on the machine. ELIET has opted for 3 points of illumination: two lights of 55W on top of the machine will ensure optimal illumination across the operating zone. A third light that is mounted on the discharge chute illuminates the area where the snow is being dumped. This composite illumination system enables the operator to work safely with the machine.

SNOW TRACKS

Just as tires are of the greatest importance to the performance of a racing car, so caterpillar tracks also contribute to the efficient performance of a snow blower. ELIET has selected top-quality Bridgestone tracks in its search for all-round excellence. The low-temperature rubber tracks, specially developed for operations in snow conditions, consist of a specially adapted rubber compound that comes with a special pattern to ensure optimal grip on the ground. The track has a cast-iron core that ensures excellent surface stability. In order to operate efficiently and effectively, the machine needs to maintain an optimal grip when cutting into the snow. To this end, weight distribution is important, but essential is the contact area with the snow. The Snowbob 9018 T is fitted with 200 mm-wide caterpillar tracks that cover a ground-contact area of 700 mm.

BRIDGESTONE
PASSION for EXCELLENCE

BALANCING TACK ROLLER

The ELIET Snowbob is supporterd by two solid rollers with balancing suspension located at the inner tread of each track. This offers the advantage that the tread readily adjusts itself to the uneven surfaces that a machine frequently has to negotiate. As the rollers pose on the outer edge of the treads, the cross stability of the track is further enhanced. Maximum contact with the surface is thus assured, giving the snow blower optimal stability and traction. The balancing rollers have been robustly built and operate on sealed dust-free ball bearings protected by extra steel shields.

DIRECTIONAL DEFLECTOR FLAPS

The dual deflector flaps ensure the proper direction of both light powdery and heavy wet snow so that it can be discharged and deposited in the chosen spots.

This deflector adjustment feature has been designed so that snow ejection can be adjusted to fall right beside the machine. This is very useful when clearing pedestrian walkways on shopping streets where there is not enough space to throw the snow far to the side.

The electric actuator is mounted right by the deflector flaps, thus rendering the use of long cables superfluous.

ELIET SNOWBOB 9018 T
OPTIONS

SPIKES

When required to clear snow from icy surfaces, even with the special snow-pattern of the Bridgestone tracks the snow blower is not immune to slipping and skidding. Just as car tires can be fitted with special studs to avoid skidding on icy roads, likewise the tracks of the Snowbob can be fitted with such anti-slip studs. They can be purchased optionally per set of 20.

SUPPORT WHEELS

Whenever constant use of the Snowbob is required on hardened surfaces (e.g., concrete, asphalt, such as is customary for clearing parking lots, driveways, terraces, etc. ...) the skid shoes will quickly wear down. These skid shoes can be replaced by support wheels as an optional alternative. These wheels have sturdy ball bearings and have a rubber tread, whereby damage to the pavement will be avoided. The Snowbob can also be used to clear snow from flat roofs as a precaution. Also for this type of use it is advisable to avoid any and all damage to the asphalt roofing, and that is where the rubber running wheels come in.

EXTENDED EXHAUST PIPE

As a noise-damping measure, the exhaust pipe has been positioned front-right at the level of the tracks. For applications that require the clearing of multiple paths through deep snow banks, an optional exhaust pipe extension is available that ejects the exhaust fumes at a higher level.

TECHNICAL DATA

PERFORMANCE

Engine	B&S Vanguard
Cylinders	2
Power (HP/kW)	18/13,3
Starting	Electric
Snowthrower width	910 mm
Snowthrower height	600 mm
Clearing capacity	115 T/h.
Throwing distance	25 m
Auger	5 mm Hardox Steel
Auger protection	Friction disc
Auger Transmission	PTO
Auger lifting	-30mm <> 200 mm
Auger lifting control	Electro-hydraulic
Auger tilting	-18 ° <> +18°
Auger tiling control	Electro-hydraulic
Discharge chute	Foldable
Discharge chute control	Electric
Discharge chute rotation	225°

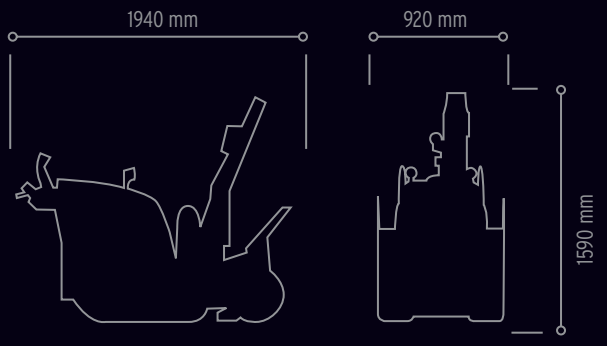
Deflector	Double
Deflector control	Electric
Track drive	2 x Hydrostatic
Speed	2 Speed (work - transport)
Speed range	Work: - 1,5 <> + 1,5 km/h.
	Transport : - 5 <> + 5 km/h.
Track lenght	1030 mm
Ground contact length	700 mm
Track width	200 mm
Track drive base	850 mm
Oil tank content	8 l
Fuel tank content	18 l

DESIGN

Dimensions (LxWxH)	1940 mm x 920 mm x 1590 mm
Weight	350 kg
Sound power level Lw(A)	106 dB(A)

COMFORT

Lights	3 x 55 W
Comfort	All-in-One™ Joystick
	Maintenance meter
	Eliet Hotspot™
	Eliet Cruise Control™



more information on www.eliet.eu

MADE in BELGIUM

RESPECT for NATURE

ELIET ZERO TURN

ELIET HOT SPOT

ELIET ALL-IN-ONE JOYSTICK

ELIET CRUISE CONTROL

ELIET SERVICE CENTER

ELIET AT YOUR SERVICE

3 YEAR LIMITED WARRANTY

At Eliet, we highly value the development of our machines and associated technology. We also seek to provide optimum support to our customers before as well as after the purchase of an ELIET machine. Our website www.eliet.eu gives you access to brochures, manuals and technical specifications of all Eliet machines. It also contains information about recognised Eliet dealers in your area that you can contact for professional advice and maintenance of all Eliet machines. These official service centres also stock original parts specifically chosen by Eliet to provide the permanent quality you are entitled to. **Eliet. Always at your service.**

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