

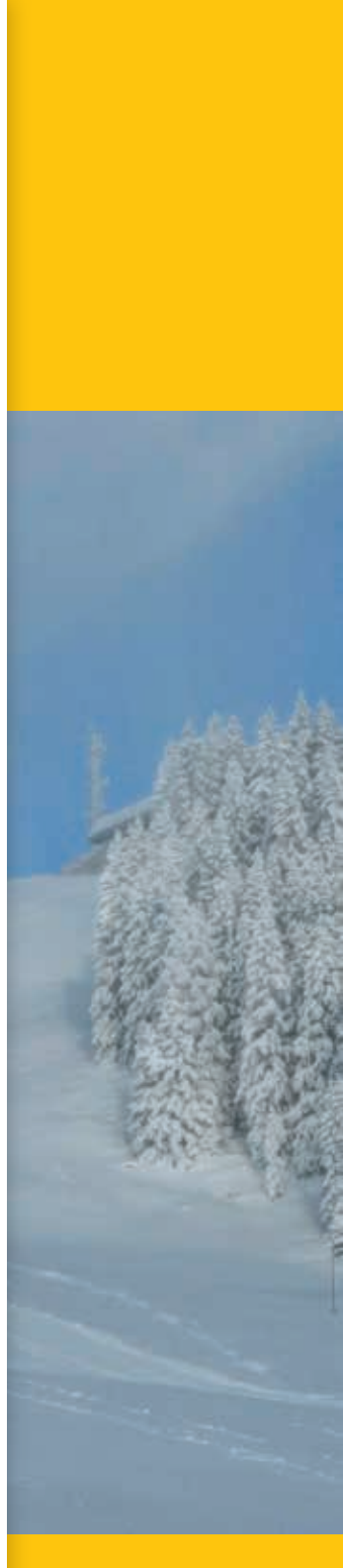


TF 10

TF10

High snow output, long projection range, reduced noise emissions. With 24 Quadri-jet nozzles and eight nucleators the TF10 is the most powerful TechnoAlpin snow gun yet. The **wide trajectory** and **large-scale surface coverage** facilitate more even snow distribution and make light work of slope preparation. All of these factors make the TF10 a **model of efficiency**. **User-friendliness** has been another focus point, with all the functions which are frequently required, such as height adjustment, keyboard, release, rotation and Emergency-Stop button, located on the same side of the machine.

THE NEW GENERATION



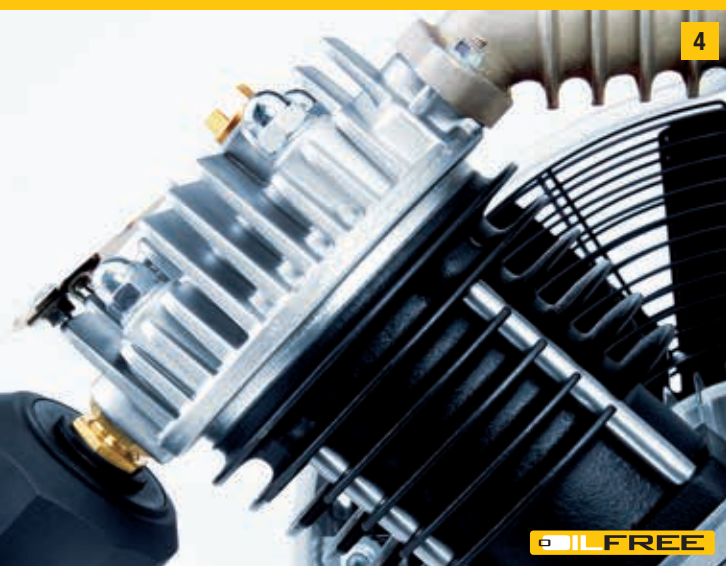
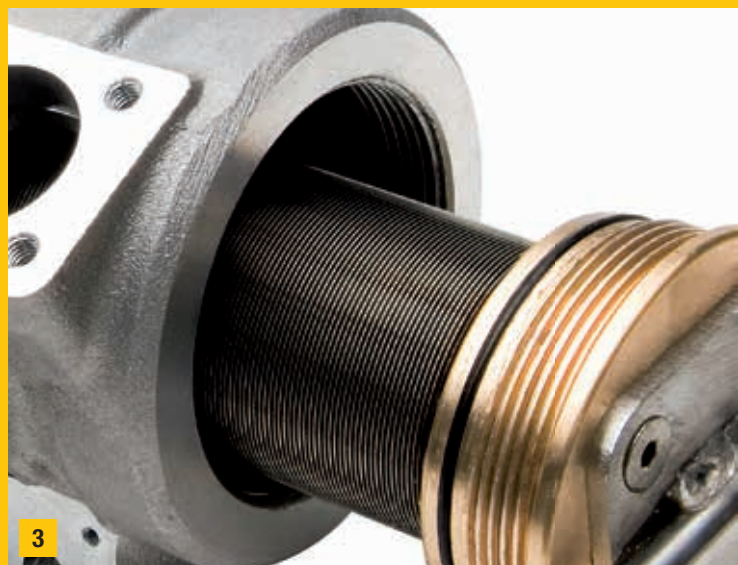
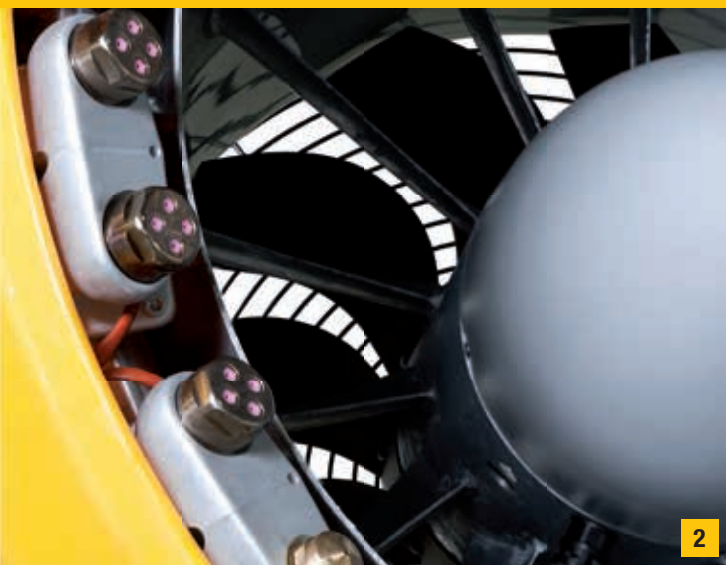
TECHNOALPIN®
snow experts



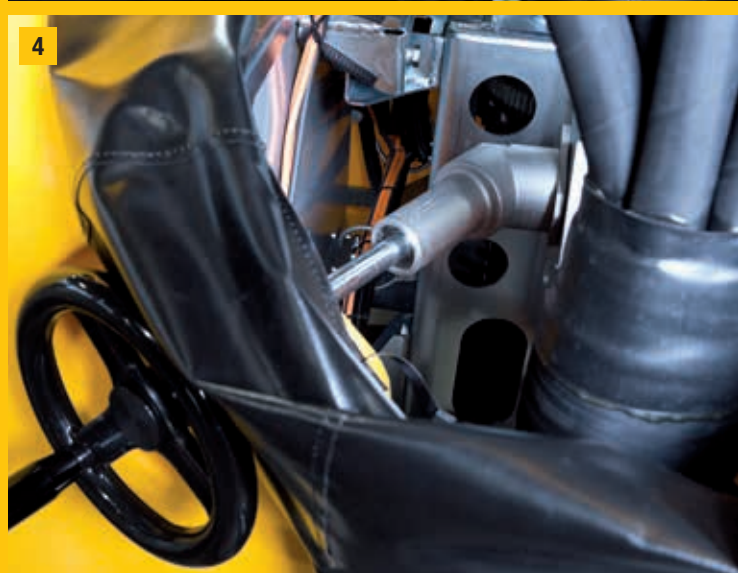
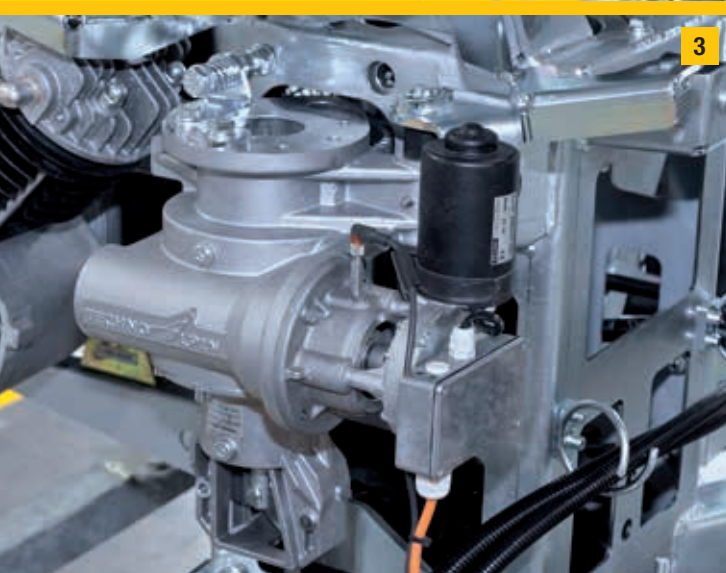


TF 10

High-quality components for operating efficiency.



1 The turbine with internal motor running at 1500 rpm makes the machine less sensitive to vibrations and reduces the noise emissions. **2 The nozzle ring** is fitted with 24 Quadrijet nozzles and eight nucleators. There are 16 variable stages of water flow for optimum adjustment to the prevailing conditions. **3 The tried and tested “wedge wire”-type nickel chromium steel water filter** guarantees maximum strength and simple cleaning. It does not have any seams, nor does it have the conventional mesh, but it is rolled from a triangular high-grade steel wire. **4 The oil-free aluminium compressor** with integrated cooling circuit is to be thanked for the fact that not a single drop of oil will leach into the environment. The TF10 can be positioned on any angle on the slope without problems because the low-maintenance oil-free compressor does not need leveling. **5 The TechnoAlpin meteostation** enables precise measurement of temperature and relative atmospheric humidity.



1 The new user interface with color screen and LED-backlit keys, protective canopy and anti-vandalism features simplify the control process. **2 Bluetooth remote control** is available as an option. **3 The rotating mechanism** allows horizontal rotation of 360° and an oscillation pivoting angle of up to 180°. **4 The height adjustment** process is simplified thanks to an angular gear and a ratio of 2:1. This enables a vertical tilt range of up to 45°. **5 Access to the key-board**, height adjustment, horizontal release, rotation and Emergency Stop are located on the same side of the machine increasing **user-friendliness**.



TF10

The new Generation.

TF10



1



2

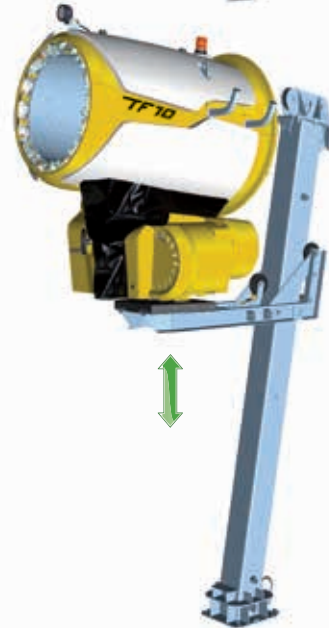


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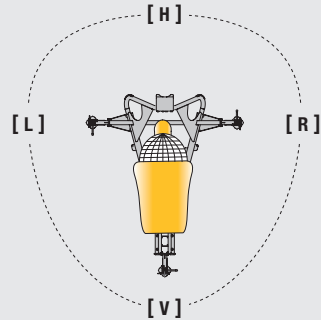
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1 TF10 arm-mounted. 12 m arm with motorized rotation and height adjustment. **2 TF10 mobile.** The undercarriage provides mobility and flexibility. The tried and tested three-point transport system is straightforward and compatible with any snow grooming machine. **3 TF10 tower-mounted.** This fixed installation is most frequently used on sections of slope which require large amounts of snow and are difficult to access. Universal tower height: 1.6 m. **4 TF10 lift-mounted.** Manual, motorized (Hit-Trac) or hydraulic adjustment facility – standard heights: 4.5 m or 3.5 m.



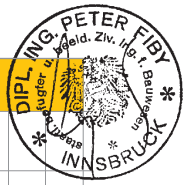
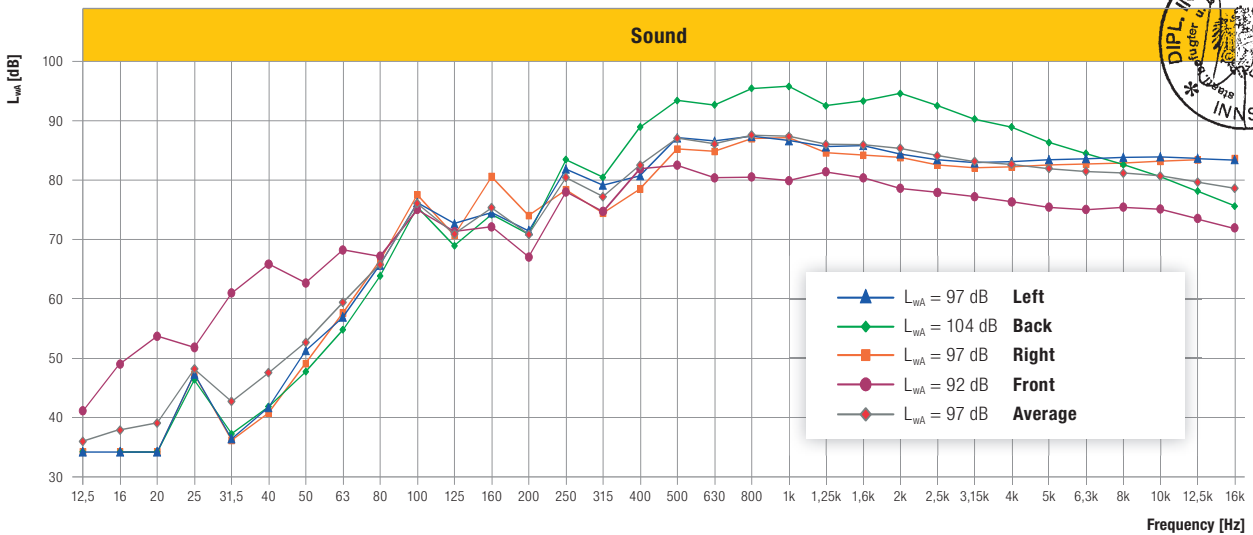
Mechanical stand & undercarriage. The new stand and the optional two-part carriage allow simple and safe conversion from mobile unit to stationary lift machine. The front section of the undercarriage can be removed from the snow groomer blade with a few movements and the machine can be mounted and attached directly to the lift carriage. The jacks and rear section of the carriage can then be dismantled. The snow gun is then connected, moved into operating position and the entire undercarriage is simply taken away by the snow groomer.

Noise level L_A - Calculated results				
Distance [m]	Front [V] [dB]	Back [H] [dB]	Left [L] [dB]	Right [R] [dB]
20	58	70	63	63
25	56	68	61	61
50	50	62	55	55
100	43	55	48	48
200	36	48	41	41



Results at 50Hz full load with compressor and water emission

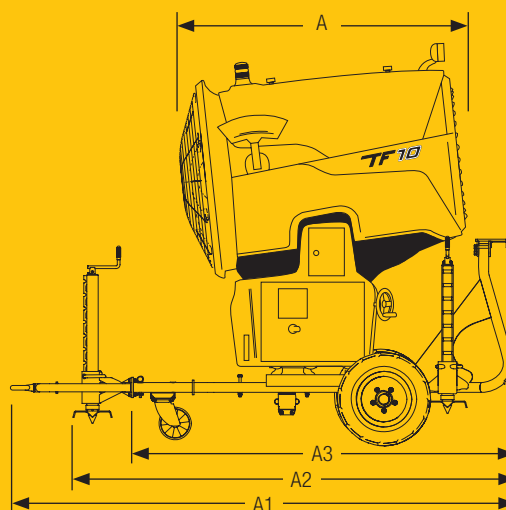
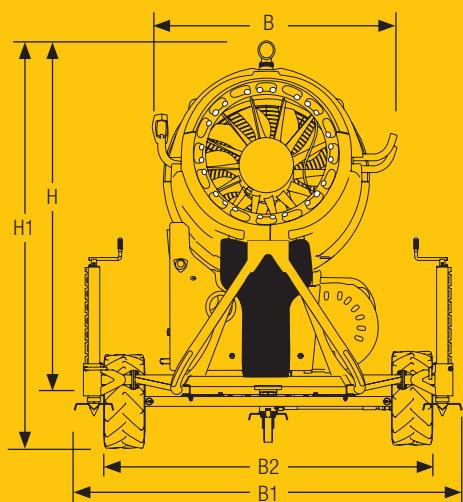
Technical report: 22-002-1



Reduced turbine frequency. The new turbine with internal motor running at 1500 rpm makes the TF10 less sensitive to vibrations and significantly reduces the noise emissions. It has a much more pleasant sound thanks to the lower frequency. The TF10 is therefore more suitable for use on slopes in residential areas.

TF 10

Facts and figures.



Gun length A	1,750 mm
Gun width B	1,510 mm
Gun height H	2,150 mm
Length max. A1	3,000 mm
Length without tow A2	2,700 mm
Length without front jack A3	2,350 mm
Width max. B1	2,350 mm
Width [wheels] B2	2,000 mm
Total-height H1	2,535 mm
Guns weight	756 kg
Undercarriage with jacks	165 kg
KIT for mobile carriage tow (GRPT0013)	85 kg
Nominal voltage	400 V
Nominal frequency	50/60 Hz
Connection plug	5x63 A

Full load current snow gun	43* A
Nominal power - largest motor (turbine)	18.5 kW
Compressor	4 kW
Heating	0.5 - 1.8 kW
RPM	1,500 U/min
Horizontal rotation	360 deg (°)
Automatic swing	180 deg (°)
Turbine inclination	45 deg (°)
Operating water pressure	8 - 40 bar
Water filter	250 micron
Nucleators	8
Fixed nozzles type Quadrijet	8
Operable nozzles type Quadrijet	16
Control unit - PLC	1
Connection water - Camlock	2 in (")

* Measurements at 1500 m above sea level



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