

TITAN^{4.0}





 DEMACLLENKO®

Piniinfarina

TITAN 4.0

ENERGY EFFICIENT UNBEATABLE PERFORMANCE LONGEST THROWING RANGE

The new **TITAN 4.0** combines uncompromising functionality and ease of operation with top-notch services and high quality design. It underlines once again DEMACLENKO's position as a leader in innovation and technology in the realm of snowmaking, and wins through its outstanding snow quality, efficient energy consumption and minimal maintenance costs.

1 **WATER FLOW RATE OF UP TO 190 US gpm (12 l/s) AT ONLY 23 kW POWER CONSUMPTION**

2 **INDUSTRY LEADING SNOW PRODUCTION AT HIGHEST MARGINAL TEMPERATURES**

3 **EXCELLENT DESIGN BUILD QUALITY FOR FUNCTION AND ENERGY EFFICIENCY**

4 **EQUIPPED FOR HIGH ELEVATION HELICOPTER POSITIONING WITH MINIMAL COMBINED WEIGHT AND COMPACT CONSTRUCTION**

5 **EQUIPPED WITH THE LATEST HIGH PERFORMANCE ELECTRONICS AND LOCAL 7" TOUCH SCREEN CONTROLLER OPERABLE EVEN WHILE WEARING GLOVES**

6 **SNOW GUN ATTACHED SUB-ASSEMBLY LIFTING DEVICE FOR SAFE AND EASY TRANSPORT BY SNOW GROOMER**





TITAN^{4.0}

THE MOST
POWERFUL
SNOW GUN ON
THE MARKET



In operation 11:21:00	
Wet bulb temp.	-5.0°C
Water pressure	0.0 bar
Water flow	0.0 m³/h
Speed	8.2 km/h
Bar temp.	-2.3°C

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DLC 7.8.8





TITAN 4.0 – Details

OVERVIEW

- > DEMACLENKO designed chassis with adjustable feet for easy and safe positioning on any terrain
- > Snow gun frame mounted lifting device for safe and easy equipment transport by snow groomer
- > Compact minimal weight construction equipped for helicopter high elevation placement if desired
- > New geometry of fan blade and barrel wing as well as quiet design compressor for reduced noise emission
- > Aluminum nozzle ring
- > Water module integrated in nozzle ring
- > Stainless steel water nozzles and brass alloy nucleators
- > 360° rotation controlled manually or electronically
- > Automatic or manual height adjustment 0° and 45°
- > Oil free compressor
- > Three-color LED indicator lamp integrated in outer cowling
- > Force ventilated weather station
- > Easy access bulk water filter

AUTOMATIC FUNCTIONS

- > Software and control options available in different languages
- > Fully automatic snow production when operated in a network or in isolation
- > 7" color touchscreen showing water temperature, pressure, water flow, snow quality, air temperature, humidity, electrical consumption as well as statistical data
- > Programmable oscillation from 10° to 330° also with automatic barrel height adjustment available
- > Wind-tracking function integrates with Snowvisual control software (applies to tower- and inclined-lift-mounted snowguns)






DLC 4.0, DEMACLENKO'S HIGH PERFORMANCE CONTROL CABINET

- > Symmetrical load sharing, no neutral conductor necessary
- > Designed for 480 V - 60 Hz*
- > Efficient cabling via CAN bus
- > Operation via WiFi as standard using smartphone, tablet, laptop
- > Remote maintenance and updates via GSM
- > GPS receiver
- > Proven and weatherproof DEMACLENKO touch display, easy to operate with any type of glove
- > Integrated interfaces Ethernet, WiFi or USB

*Other voltages available upon request



Technical data

					
	AMK	ATK2	ATK US	ETK	ASK4
Height	8.3 ft (2515 mm)	12.5 ft (3810 mm)	16.6 ft (5060 mm)	13.3 ft (4063 mm)	19.1 ft (5830 mm)
Length	6.2 ft (1890 mm)	6 ft (1830 mm)	9 ft (2750 mm)	6 ft (1830 mm)	7.1 ft (2170 mm)
Width	6.1 ft (1860 mm)	4.1 ft (1250 mm)	3.9 ft (1200 mm)	4 ft (1224 mm)	4.1 ft (1250 mm)
Weight fan gun	1708.6 lbs (775 kg)*	1329.4 lbs 603 kg)**			
Weight tower	–	198.4 lbs (90 kg)	1124 lbs (510 kg)***	507 lbs (230 kg)	990 lbs (449 kg)

*incl. legs and cables | **incl. cables | ***incl. footboard

PERFORMANCES

Water pressure	116 - 725 psi (8 - 50 bar)
Maximum water flow	190 US gpm (12 l/s)
Maximum snow production	70.6 cfm (120 m ³ /h)
Throwing range	262 ft (80 m)

ELECTRICAL CHARACTERISTICS

Voltage	480 V**
Fan	25.2 HP (18,5 kW)
Compressor	5.4 HP (4 kW)
Heating, lights and small consumers	1 kW*
Total input power	31.3 HP (23 kW)*
Frequency	60 Hz
Connection plug	60 A

MECHANICAL CHARACTERISTICS

Nucleators	12
Water nozzles	84
Swinging range	360°
Automatic swing	10°-330°
Barrel inclination	0°-45°
Connection water	2"
Water filter	60 US-mesh (250 μm)

*At wet bulb of 14 F | **Other voltages available upon request | () With central compressed air supply

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