

VENTUS 4.0 *BLIZZARD*

THE FUTURE OF SNOW

US

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demacenko.com



VENTUS 4.0 BLIZZARD

LATEST TECHNOLOGY ENERGY EFFICIENT POWERFUL

VENTUS 4.0 BLIZZARD is the optimized new edition of the revolutionary Ventus 4.0, which marked the new era of the 4.0 line at DEMACLENKO when it was launched in 2017 and established new market standards. Like its predecessor, the product impresses with an unbeatable ratio between consumption and performance, as well as ease of maintenance and servicing. **VENTUS 4.0 BLIZZARD** excels with even more sophisticated technology, revised design and improved blower shape, making it the highest quality fan gun in its class.

- 1 WATER FLOW RATE OF UP TO **142.7 US gpm (9 l/s)** WITH ONLY **20 kW** INPUT POWER
- 2 INCREASE OF SWITCHING STAGES TO 15 TO **MAXIMIZE EFFICIENCY**
- 3 **OPTIMIZED CAST ALUMINUM NOZZLE RING** THAT REQUIRES LESS HEATING POWER
- 4 THANKS TO THE **INTEGRATED HEAT EXCHANGER**, THE NOZZLE RING IS HEATED AND THE AIR OF THE COMPRESSOR IS COOLED AT THE SAME TIME
- 5 **CONTROL DLC 4.0** ACCORDING TO HIGHEST INDUSTRY STANDARDS

VENTUS_{4.0}
BLIZZARD

PERFORMANCE
TECHNOLOGY
DESIGN





VENTUS 4.0 BLIZZARD — Details

OVERVIEW

- > Compact galvanized chassis incl. 3 support legs and optional wheels
- > 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
- > FRP blower with aluminum nozzle ring
- > Revised water module with 4 magnetic valves (proven and reliable COAX® technology)
- > Stainless steel water nozzles and brass alloy nucleators
- > 360° rotation controlled manually or electronically
- > Control cabinet with IP55 degree of protection
- > Water module with drainage and central water connection
- > Cooling of the compressed air via the water filter and the nozzle ring
- > Automatic or manual height adjustment 0° and 45°
- > Oil free compressor
- > Three-color LED indicator lamp integrated in the casing
- > Force-ventilated weather station
- > User-friendly access to water filter and water module
- > Fan start via soft starter
- > On request also available with gap 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 snow guns on tower and winch tower)

DLC 4.0, DEMACLENKO'S HIGH PERFORMANCE CONTROLLER

- > 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	7.9 ft (2400 mm)	12.3 ft (3735 mm)	16.3 ft (4980 mm)	13.1 ft (3981 mm)	18.9 ft (5765 mm)
Length	5.9 ft (1808 mm)	6 ft (1840 mm)	7.5 ft (2286 mm)	6 ft (1843 mm)	7.1 ft (2170 mm)
Width	5.6 ft (1700 mm)	4 ft (1215 mm)	3.9 ft (1200 mm)	4 ft (1224 mm)	4 ft (1215 mm)
Weight fan gun	1536.6 lbs (697 kg)*	1155 lbs (524 kg)**			
Weight tower	–	187.4 lbs (85 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 - 725.2 psi (8-50 bar)
Maximum water flow	142.7 US gpm (9 l/s)
Maximum snow production	53 cfm (90 m ³ /h)
Throwing range	229.7 ft (70 m)

ELECTRICAL CHARACTERISTICS

Voltage	480 V**
Fan	20.4 HP (15 kW)
Compressor	5.4 HP (4 kW)
Heating, lights and small consumers	1 kW*
Total input power	27.2 HP (20 kW)*
Frequency	60 Hz
Connection plug	60 A

MECHANICAL CHARACTERISTICS

Nucleators	12
Water nozzles	64
Swinging range	360°
Automatic swing	10°-330°
Barrel inclination	0°-45°
Connection water	2"
Water filter	60 US-mesh (250 μm)

*At wet bulb 14°F (-10°C) | **Other voltages available upon request

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