

# VENTUS<sub>4.0</sub>





DEMAGLENKO

*perinfarina*

150° -150° -120° 90°

DEMAGLENKO

# STATE-OF-THE-ART TECHNOLOGY PRODUCT DESIGN EFFICIENCY TOP PERFORMANCE

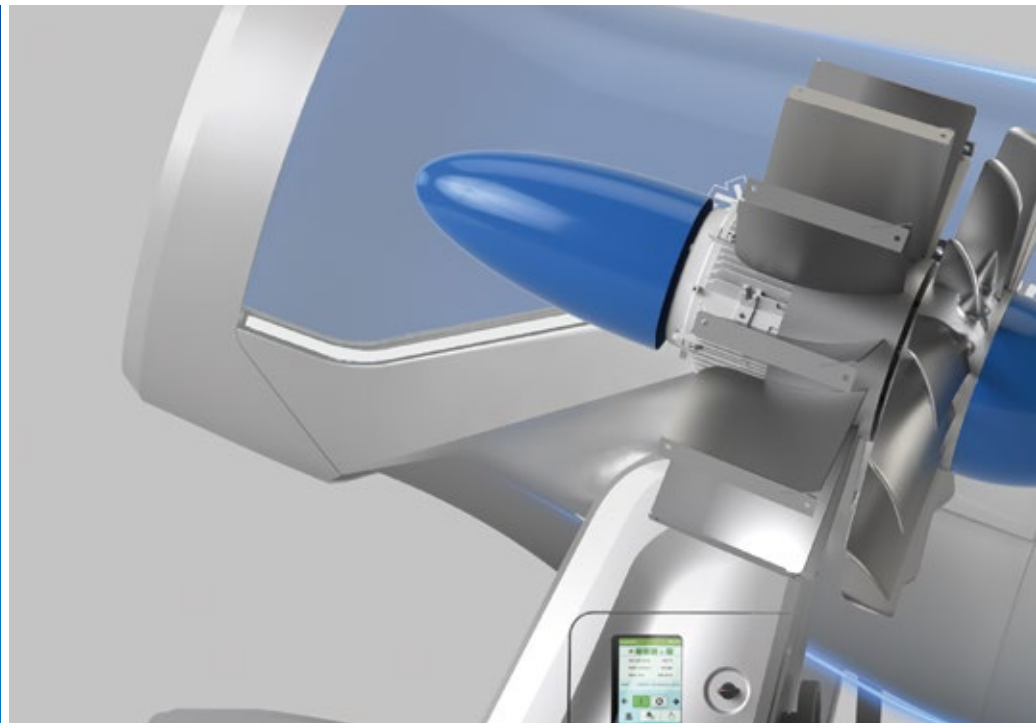
The **VENTUS 4.0** is the result of intensive studies on shape and performance, resulting in radical changes. A compact product to facilitate maintenance and service. **VENTUS 4.0** strikes a unique balance between the amount of snow produced and the amount of energy it consumes.

- 1 **SNOW PRODUCTION OF UP TO 90 m<sup>3</sup>/h**
- 2 **20 KW POWER INPUT**
- 3 **STYLISTIC DESIGN** COMBINES FUNCTIONALITY AND STYLE
- 4 **CONTROL CABINET** WITH PROPRIETARY POWER ELECTRONICS – DEMACLENKO CONTROL



# *VENTUS* 4.0

POWER  
TECHNOLOGY  
DESIGN



# VENTUS 4.0 DETAILS

## OVERVIEW

- > Compact zinc-coated chassis and legs with wheels
- > Lifting device directly on the frame of the snow gun for a convenient and safe transport by the snow groomer
- > Compact design with low over all weight
- > FRP (fiberglass composite) barrel with aluminum blade
- > Aluminum nozzle ring
- > Water module integrated in the nozzle ring
- > Stainless steel water nozzles and brass alloy nucleators
- > 360° rotation controlled manually or electronically
- > Automatic or manual height adjustment between 0° and 45°
- > Oil-free compressor
- > LED indicator lights built into the casing
- > Force-ventilated weather station
- > User-friendly access to water filter and water module
- > Minimal noise

## AUTOMATIC FUNCTIONS

- > Software and operating system available in various 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° as well as automatic height adjustment
- > Wind-tracking function integrates with Snowvisual control software (applies to tower- and inclined-elevator-mounted snowguns)

## DL CONTROL, THE NEW DEMACLENKO CONTROL CABINET

- > Standard operation via Wi-Fi with a smartphone, tablet or laptop
- > Current-monitored power outputs and surge protection
- > Power electronics designed for 380V/400V/480V and 50Hz/60Hz\*
- > Diagnostics via remote maintenance
- > Indication of the current direction as well as real-time current measurement
- > Integrated interface for software update via Ethernet, Wi-Fi or RS485

\*Other voltages available upon request





 **DEMACLENKO**

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**VENTUS**  
4.0

# TECHNICAL DATA



## VENTUS 4.0

	AMK	ATK2 (AT2) ATK3 (AT3)	ASK4 (AS4) ASK6 (AS6)
Height	2,200 mm	3,730 mm 4,480 mm	5,800 mm 7,800 mm
Length	1,745 mm	1,292 mm	1,876 mm
Width	1,860 mm	1,200 mm	1,200 mm
Weight fan gun	589 kg	589 (517) kg	589 (517) kg
Weight chassis/tower	120 kg	85 kg 100 kg	449 kg 558 kg

## PERFORMANCES

Operation water pressure	8 - 50 bar
Maximal water flow	9 l/s
Maximal snow production	90 m <sup>3</sup> /h
Throwing range	70 m

## ELECTRICAL CHARACTERISTICS

Voltage	380 / 400 / 480 Volt**
Fan	15 kW
Compressor	4 kW (600 l/m)
Heating, lights and small consumers (average)*	1 kW
Total input power*	20 kW (16 kW)
Frequency	50/60 Hz
Connection plug	63 A

## MECHANICAL CHARACTERISTICS

Nucleators	12
Water nozzles	66
Swinging range	360°
Automatic swing	10°-330°
Barrel inclination	0°-45°
Connection water	2"
Water filter	250 μm

\*At dew point of -10 °C | \*\*Other voltages available upon request | () With central compressed air supply

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