

EOS





ENERGY EFFICIENT TOP SNOW OUTPUT AND SNOW QUALITY NEW CONTROL SYSTEM

The **EOS** by DEMACLENKO is available in automatic and manual versions and has 8 control settings. With an improved projection angle, the lance offers an optimized snow quality/energy consumption ratio. The use of special nozzles and oil-free compressor technology decreases power consumption to below 2 kW at a snow production rate of 61 m³/h.

1 **SNOW PRODUCTION OF UP TO 61 m³/h**

2 **UP TO 8 STEPS REGULATION**

3 DEMACLENKO CONTROL: **NEW ELECTRONICS AND CONTROL SOFTWARE WITH 7" TFT TOUCHSCREEN** AND WIFI CAPABILITIES

4 **WATER MODULE WITH BALL JOINT** TO ROTATE THE LANCE

5 INTEGRATION WITH THE FULLY AUTOMATIC **SNOWVISUAL SYSTEM**

EOS

WITH A WATER FLOW OF
6,1 l/s THE EOS ACHIEVES ONE
OF THE HIGHEST VALUES IN ITS
MARKET CLASS.

195 l/min AIR CONSUMPTION
1,5 kW COMPRESSOR POWER





EOS DETAILS

OVERVIEW

- > Aluminium lance head: brass alloy nucleators and water nozzles with stainless steel inserts
- > 8 steps regulation
- > Force-cooled weather station
- > Cast aluminum valve block with built-in water filter
- > The new ball joint allows the lance to be rotated to any position, without needing to disconnect the water hose
- > The lance can be extended and retracted for maintenance by means of a hydraulic cylinder
- > Available with central pressurized air supply or with oil-free compressor
- > All lance components can be easily installed or removed
- > Oval lance pipe made from extruded aluminum
- > LED spotlights
- > Available in automatic or manual control options

AUTOMATIC FUNCTIONS

- > 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
- > Software and operating system available in various languages
- > Water flow control

DL-CONTROL, THE NEW DEMACLENKO CONTROL CABINET

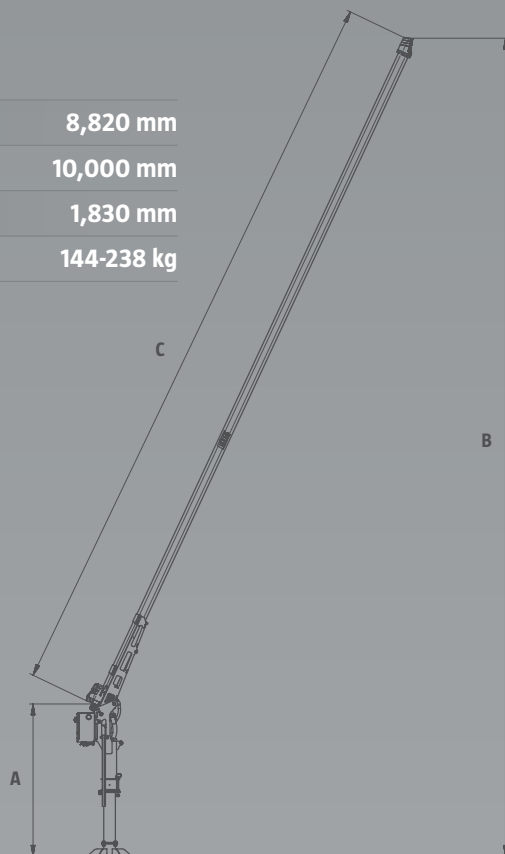
- > Standard operation via Wi-Fi with a smartphone, tablet or laptop
- > Current-monitored power outputs and surge protection
- > Power electronics designed for 380V/400V/480V and 50Hz/60Hz*
- > Diagnostics via remote maintenance
- > Indication of the current direction as well as real-time current measurement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

*Other voltages available upon request



TECHNICAL DATA

Lance tube length (C)	8,820 mm
Operating height (B)	10,000 mm
Pipe height (A)	1,830 mm
Weight	144-238 kg



PERFORMANCES

Maximal snow production	61 m ³ /h
Air consumption	195 l/min
Operation water pressure	15-60 bar
Maximal water flow	6,1 l/s

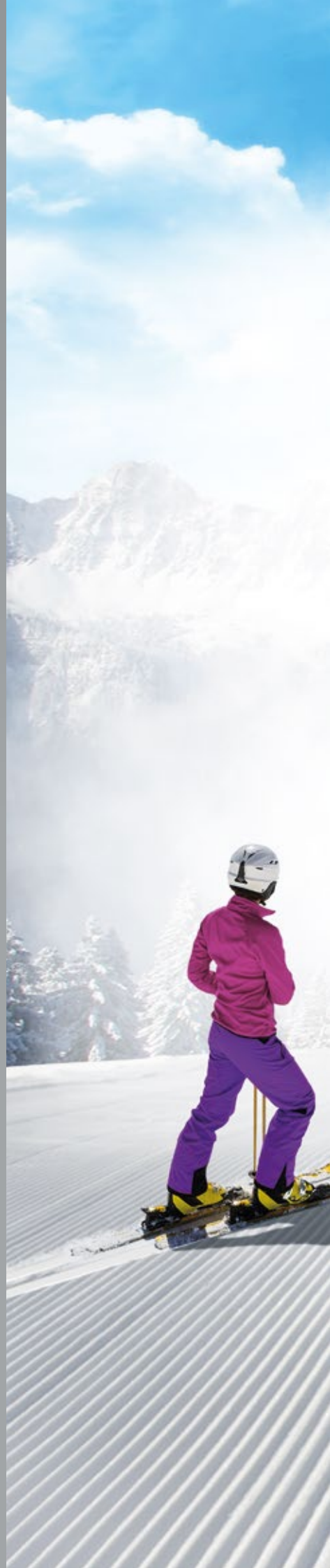
ELECTRICAL CHARACTERISTICS

Total input power	0,25-1,8 kW
Voltage	220-230-380-400-480 Volt*
Compressor	1,5 kW
Heating, lights and small consumers (average)	0-0,6 kW
Frequency	50-60 Hz

MECHANICAL CHARACTERISTICS

Nucleators	4
Water nozzles	4-16
Water filter	250 µm

*Other voltages available upon request





VARIANTS

EOS A8 H – EOS A4 H

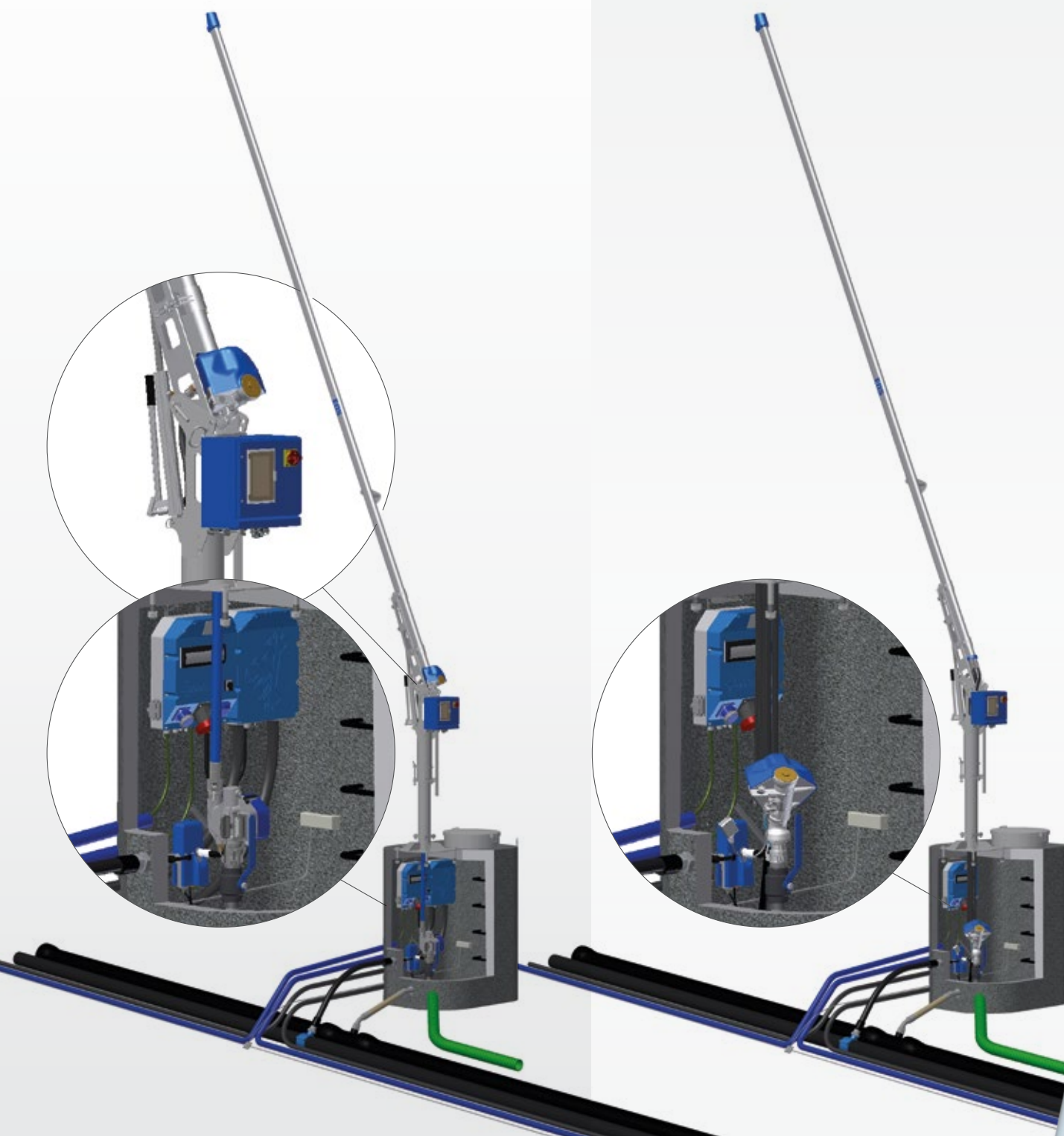
The EOS A8 H and EOS A4 H are used in combination with the automatic HS hydrant in the pit. The water module with built-in filter is installed directly on the lance rod.

- > IDEAL FOR HYBRID SYSTEMS (LANCES AND FAN GUNS)
- > FILTER AVAILABLE ON LANCE

EOS A 1-2-4

The EOS A 1-2-4 is used along with the directly installed water module with built-in filter in the pit.

- > FASTER AND EASIER TO BUILD/DISMANTLE
- > IDEAL FOR FIRST-TIME LANCE SYSTEMS



FUNCTIONS

AUTOMATIC

The EOS A8K-H is fully equipped with compressor and hydraulic system



MANUAL

Sample configuration: EOS M8 with central pressurized air supply



EOS A8/M8

EOS A4/M4

EOS A2/M2

EOS A1/M1

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