

EVO_{4.0}





ENERGY-EFFICIENT POWERFUL QUIET

With the **Evo 4.0**, innovation leader HKD SNOWMAKERS is redefining the standards for fan guns. The predecessor model Evo 3.0 has been completely revised and improved all round. The new **Evo 4.0** is not only **powerful, low-maintenance and compact, but also unbeatably quiet and energy-saving**. It perfectly embodies the features that are expected from a snow gun.

**1 STRONG WATER FLOW RATE OF 127 US gpm (8 l/s) WITH JUST 19 HP (14 kW)
OF POWER CONSUMPTION**

ABOUT 13.5 HP (10 kW) WITH CENTRALIZED AIR

2 COOLING OF COMPRESSED AIR THROUGH WATER FILTER

STANDARD ON ALL HKD SNOWMAKERS MACHINES ALREADY SINCE 2011

3 INNOVATIVE HEAT EXCHANGER IN THE NOZZLE RING

ENABLES SIMULTANEOUS TEMPERATURE CONTROL OF THE NOZZLE RING AND COOLING OF THE COMPRESSED AIR

4 VERY QUIET DUE TO NEW FAN

OPTIMIZED AERODYNAMICS AND REDUCED rpm FROM 3,000 (EVO 3.0) TO 1,500

5 EXCEPTIONALLY LIGHTWEIGHT

COMPACT AND EASY-TO-MOVE DESIGN







EVO 4.0 – Details

OVERVIEW

- > Compact galvanized chassis incl. 3 support legs and optional wheels
- > Docking system directly integrated into the snow gun for safe and user-friendly transport by snow groomer
- > The compact design and low overall weight ensure ideal airlift capability of the machine – even at high altitudes
- > FRP blower with aluminum nozzle ring
- > Revised water module with 3 valves and new developed discharge system
- > Stainless steel water nozzles and brass alloy nucleators
- > 360° rotation and height adjustment from 0° to 45° – manually or electrically
- > Control cabinet with IP55 protection
- > Increased exchange surface for additional more efficient cooling of the compressed air through the water filter
- > Heat exchanger for simultaneous temperature regulation of the nozzle ring and cooling of the compressed air
- > Oil free compressor
- > Three-color LED indicator lamp integrated in the casing
- > Force-ventilated weather station
- > User-friendly access to water filter
- > Fan start via soft starter

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 -175° to +175° and automatic barrel height adjustment
- > Wind-tracking function integrates with Snowvisual control software (applies to snow guns on tower and winch tower)

DLC 4.0, HKD SNOWMAKERS'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 mobile network
- > Integrated GPS receiver
- > Proven and weatherproof HKD SNOWMAKERS touch display, easy to operate with any type of glove
- > Integrated interfaces Ethernet, WiFi or USB

* Other voltages available upon request



EVO 4.0



TECHNICAL DATA

					
	AMK	ETK	ATK2	ATK US	ASK4
Height	7.3 ft (2220 mm)	12.6 ft (3840 mm)	11.8 ft (3585 mm)	15.9 ft (4840 mm)	18.4 ft (5605 mm)
Length	5.8 ft (1788 mm)	5.2 ft (1580 mm)	4.8 ft (1460 mm)	4.8 ft (1460 mm)	6.7 ft (2035 mm)
Width	5.6 ft (1700 mm)	3.4 ft (1030 mm)	3.4 ft (1030 mm)	6 ft (1820 mm)	3.4 ft (1030 mm)
Weight fan gun	1411 lbs (640 kg)*	1139 lbs (517 kg)**	1052 lbs (477 kg)**		
Weight tower	–	508 lbs (230 kg)	198 lbs (90 kg)	1124 ft (510 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	127 US gpm (8 l/s)
Maximum snow production	47 cfm (80 m³/h)
Throwing range	200 ft (60 m)

ELECTRICAL CHARACTERISTICS

Voltage	480 V**
Fan	12.3 HP (9.2 kW)
Compressor	5.4 HP (4 kW)
Heating, lights and small consumers	1 kW*
Total input power	19 HP (14.2 kW)*
Frequency	60 Hz
Connection plug	30 A

MECHANICAL CHARACTERISTICS

Nucleators	12
Water nozzles	52
Swinging range	360°
Automatic swing	-175° to +175°
Barrel inclination	0° to 45°
Connection water	2" F camlock
Water filter	60 US-Mesh (250 µm)

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

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