



# AVS All Weather Snow



AWS 100 MOBILE

**AWS** 150 D

AWS CUSTOM

The new generation of AWS - essential for the ski resorts of tomorrow.

 $AWS is a new line of snowmaking \, machines \, capable \, of operating \, in \, above-freezing \, temperatures. \, Designed \, to \, combine \, high \, efficiency, \, and \, combine \, high \, efficiency, \, an$ straightforward operation, safety, and energy efficiency.

Technology that cares for snow

EN 2025



### **All Weather Snow**

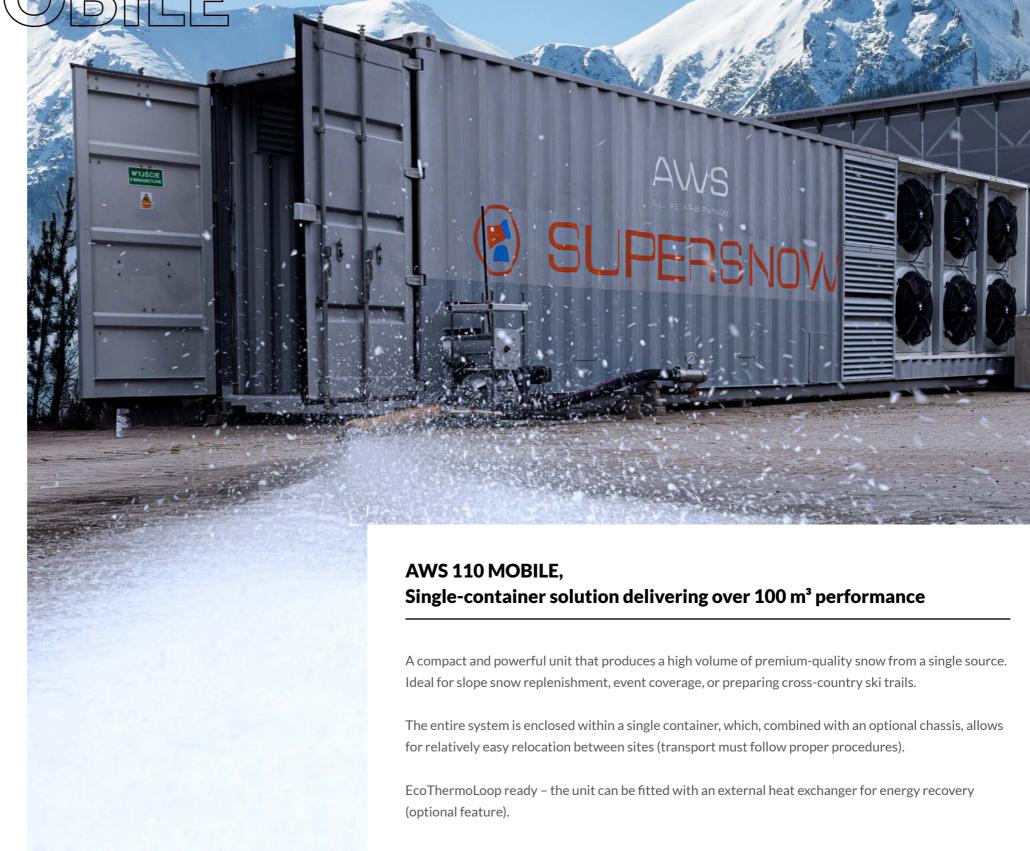
Our range includes three types of machines, available in various configurations. We tailor each solution to the specific needs of the resort.

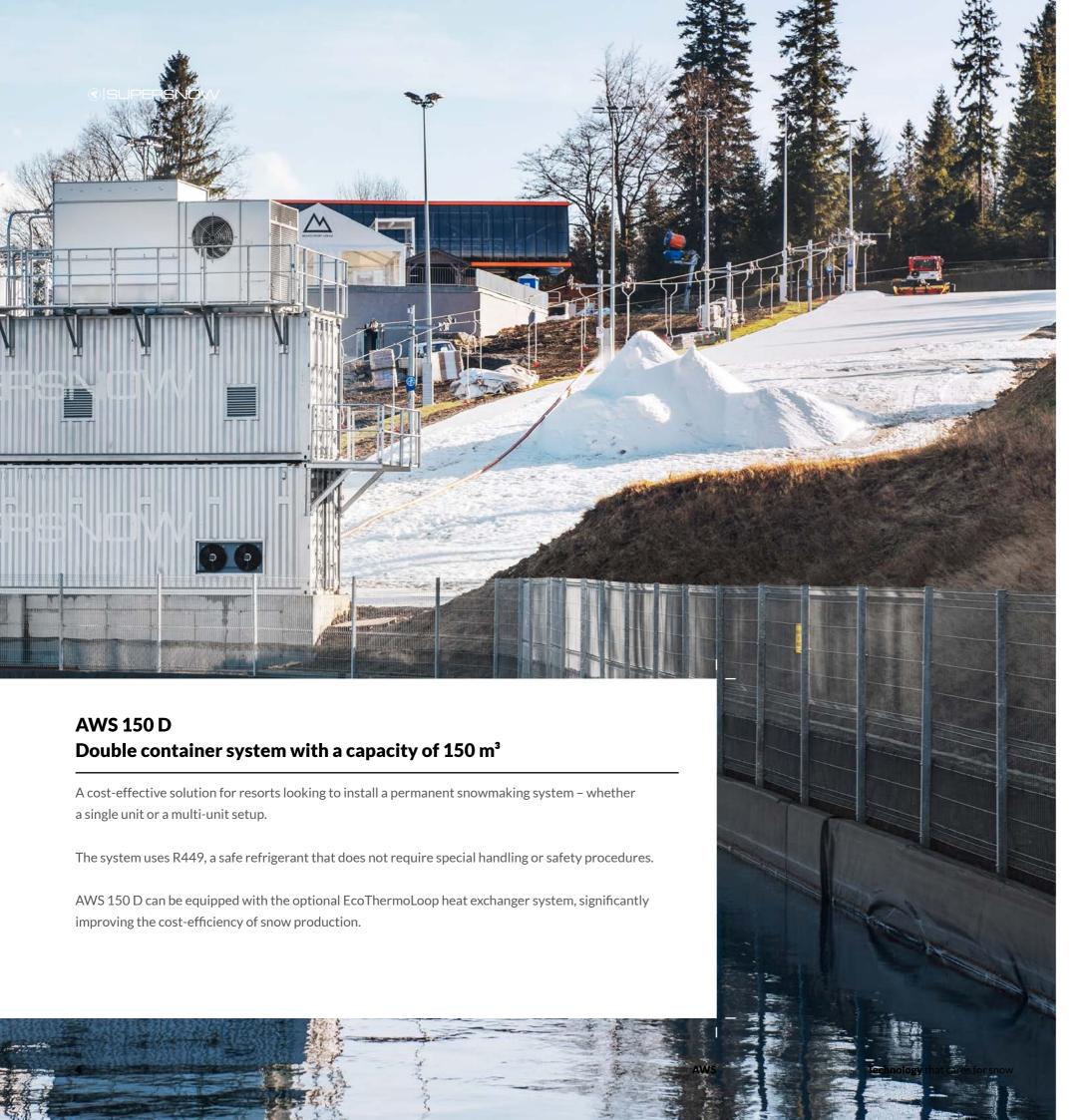
Below you'll find details of our core mobile unit – a high-efficiency, single-container snowmaking machine.

SPECIFICATIONS - AWS 100 MOBILE	
Snow production	100 to 120 m³/d - 50 t/d
Snow transport	up to 120 meters
Snow temperature	-5 to -7
Water consumption	0,65 l/s
Operating conditions	
Water temperature	1-25 ℃
Air temperature	0-25 ℃
Dimensions	
Container unit	1x 40' HC
Lenght A	12,2 m
Width B	2,5 m
Height H	2,9 m
Machine weight	17.500 kg
Power supply	
Nominal voltage / frequency	400 V / 50 Hz
Nominal current	350 A
Nominal power	158 kW*
Other	
	32 DN
Water pressure [min / max]	2 / 10 bar

Refrigerant type

R 449A





# AWS 150 D

# **All Weather Snow**

from 150 m³/d - 70 t/d

252 kW

32 DN

2 / 10 bar

R 449A

Snow transport	up to 120 meters
Snow temperature	-5 to -7
Water consumption	0,87 l/s
Operating conditions	
Water temperature	1-25 °C
Air temperature	0-25 °C
Dimensions	
Container unit	2x 40' HC
Lenght A	12,2 m
Width B	2,5 m
Height H	2,9 m
Machine weight	22.500 kg
Power supply	
Nominal voltage / frequency	400 V / 50 Hz
Nominal current	400 A

**SPECIFICATIONS - AWS 150 D** 

Snow production

Nominal power

Water connection

Refrigerant type

Water pressure [min / max]

Other

# AWSCUSTOM

### **All Weather Snow**

# **AWS CUSTOM - Snow tailored to your resort**

AWS CUSTOM is a fully bespoke solution – each system is designed to meet the specific needs of an individual ski resort.

Based on proven AWS technology, we develop snowmaking systems that precisely match the required quantity, type, and delivery method of snow.

#### **Performance**

We design systems with a snow output ranging from 100 to 1,500 m<sup>3</sup> per day, depending on your needs and local operating conditions.

# **Cooling systems**

We use high-quality Bitzer SE compressors – primarily the HSN series – proven in continuous operation. Our systems are carefully engineered with robust, properly sized components to ensure durability and long-term efficiency.

# **Snow transport**

We tailor the transport system to the type and quality of snow required – from screw conveyors to direct discharge systems, depending on snow consistency and transport distance.

# EcoThermoLoop - smart heat recovery built in

AWS CUSTOM systems can be equipped with heat exchangers that recover thermal energy for use in restaurants, hotels, or technical facilities. This solution offers multiple benefits:

- Improves the cost-efficiency of snow production
- Reduces overall energy consumption
- May qualify for subsidies in selected countries
- The ETL system is always designed in close cooperation with the client based on an analysis of heat recovery points and distribution methods.





### **Snowmaking equipment**

Lances: 1V, 2V, 3V, 3V+

Snow guns: 900T, 900H, 900A, 900MN, 700S, 700H, 700ASE, 600M

All Weather Snow

#### **Booms and poles**

H800 ST170

#### Infrastructure

Retention tanks

**Pipelines** 

Pump stations

Mobile pump stations MP200 and MP500

Cooling towers

Filtration systems

Electrical networks on slopes

Central air systems

#### **Services and software**

Snowline24

Quick on-site service

**SNOWMATIC** 

Mobile app

Snowmaking systems design

Slope profiles design

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