



BUCCERI SNOW

Bucceri B4 Falling Snow Multi-Functional Snow Machine

WWW.B4SNOW.COM



Simple to Operate

Snowflakes made from water

Patents Granted

Automatic and makes snow 3 ways

Any Temperature

Features

High Quality Snow Production at any temperature: The Bucceri Modular Snow Making system is fully automatic and can either blow snow in the air as falling snow or blow snow to the ground for snow play, snow tubing, skiing or any form of snow activity. Just turn on and snow is created immediately for use.

Adaptability and Scalability: The modular design offers flexibility in configuring the machine to suit different needs. You can start with a smaller setup and then add more modules as required, making it cost-effective for smaller budgets too. The modular design of the system means that machines can be provided with 1 to 100 modules to meet any snow demand and requirement for use.

Control panel: Can be configured to suit your needs. Operate the machines in automatic mode or manual mode to deliver your snow production. You can access the control panel directly from the HDMI display or operate remotely using the state-of-the-art software that allows you to access and control the equipment from your computer, laptop, iPad or Phone.

Adjustments of the output: A PLC and 2 Variable Speed Drives allow you to control the snow output and adjust it to your needs. You can set the Machine to operate continuously or in batch mode where you can set the snow production time including the duration of each snow blow and the interval between each snow blow.

Faster Snow Creation: Need more snow in a hurry? Using the external feed connection, stockpiled ice or purchased ice can be added that allows for much quicker snow production. This can be crucial for time-sensitive projects or events where snow needs to be available immediately.

Safety and Reliability: The Bucceri B4 snow machine complies with all current safety requirements for a machine of its type. With motors and all electrical components having UL Certification for equipment in USA.

How Does it work?

The Patented Bucceri B4 Snow Machine produces and blows snow directly into the air or onto the ground. The snow blow can be set to deliver up to 60 feet (18 metres) from the snow machine or our extension blower system can be added to blow the snow up to 400 feet (125 metres) from the snow making machine position.

The patented snow making process is centred around 4 processes to create the snow particles. Each module consists of a compact flake ice machine that creates small snow flakes from potable water. The ice flakes can be made in any temperature and can be produced for continuous use or stockpiled within the machine or stored for later use. The ice flakes are moved by special conveyors that mill the ice flakes into smaller pieces before entering our snow blower where the high speed impeller then pulverizes the ice into very small particles of snow. The snow produced can be blown into the air or moved with a delivery hose to the place of use. In colder temperatures deflector attachments can be used to direct the snow and further reduce the size of the particles.

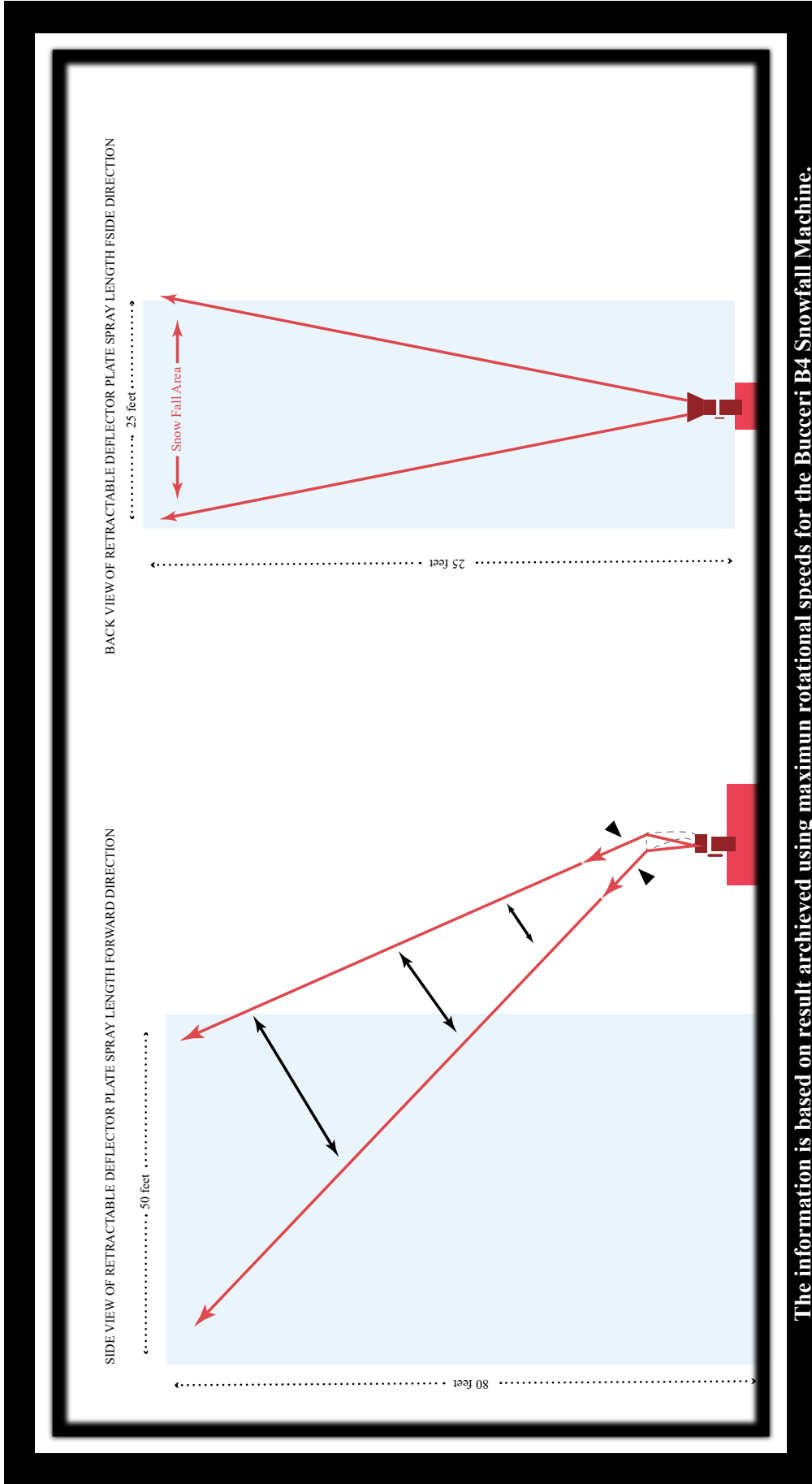
The Patented Bucceri Snow Hybrid modules produce small particles of ice which are harvested by the B4 Snow Machine into snowflakes of various sizes. The size of the snowflakes and their ability to retain their properties in warmer temperatures can be controlled by dialing in and adjusting the speed and flow of the ice particles to the snow making fan unit.

From 2 to 100 ice machine modules can be added to one the patented Bucceri snow making system to generate production ranging from 12 to 600 cubic metres of snow daily. A Bucceri Falling snow machine can cover an 1250 square feet to a height of up to 80 feet with a single B4 snowfall machine.

Service: Bucceri Snow Snow USA LLC employs a dedicated engineering personnel that will provide quick and easy service guaranteeing the high quality of all products.



BUCCERI B4 SNOWFALL - MAKES SNOW IN 3 DIFFERENT WAYS- FULLY AUTOMATIC- WORKS AT ANY TEMPERATURE



The information is based on result archived using maximum rotational speeds for the Bucci B4 Snowfall Machine.

Technical data- May vary with different models

Procedure	Details
Power requirements	Fan Blower 30 Amps
	Conveyor 8 Amps
	Each Ice Machine Module 21 Amps
	3phase Power 63 Amps plus Supply for 30 amps per B4 Snow module System
Voltage	480V/60HZ 3phase
Warm up time	approx. 3 min.
Snow Output	7 cubic yards per day per module
Snow Height Range	20 to 80 feet
Snow area Coverage	Up to 1250 square feet
Water Usage	0.5 gallons per minute for each module
Design Operation	10 Minute Cycle 2 Minute On
Control excluding Ice Generating Module	<p>WEG 30KW Inverter (VSD) – Three Phase Input 380-480VAC WEG 0.4KW (1.8A) Inverter (1/2HP VSD)- Three Phase Input 380-480VAC WEG 2.2KW (5.5A) MX2-series Inverter (3HP VSD)-Three Phase Input 380-480VAC MPG10R5 Remote Stainless-Steel Control Panel Siemens SYSMAC Machine Automation Controller (MAC), with 14 inputs and 10 PNP outputs. HMI operator 7inch Siemens NA screen (800 x 480, 24bit colours) All automation components & Plc Seimens All control shall be Ethernet safety over Ethercat All VSD's (variable speed drives) have power filters installed (to comply with overseas standards) Panel is programmed & wired Cables EMC screened and earthed to reduce RFI & interference</p>
Overheating protection	Heater block/Thermostat Pump/Thermal switch

Technical data Ice Generating Module

Component Name	Ice Generator
Compressor	Copeland
Condenser	Eden
Expansion valves	Danfoss
Evaporator	Bucceri
Oil separator	Emerson
Accumulator	D&F
Water Pump	US Brand*
Reducer and motor	US Brand*
Electrical parts	Schneider Brand
Ice Generating Units	1
Ice daily productive capacity per Unit	5500 Pounds/day
Standard ambient temp	87 degrees Fahrenheit
Standard inlet water temp	65 degrees Fahrenheit
Evaporating temp	-5 degrees Fahrenheit
Condensing temp	100 degrees Fahrenheit
Ice temperature	20 degrees Fahrenheit
Power supply	440-460V/60HZ/3Phase
Refrigerant	R404A
Refrigerant capacity	16.3kw
Installed Power	10 kw
Dimensions per Unit	5.7' x 3.6' x 3.4'
Weight per Unit	500 pounds

Technical data Ice Generating Module

Component Name	Bucceri B4
Impeller Brand	Bucceri High Speed Patented Stainless Steel Construction
Motor	WEG 30Kw 3 Phase
Coupling	Direct
Bearing	Bucceri
Output	Up to 60 Cubic Yards Per Hour
Connected Conveyor	Bucceri Shaftless Insulated
	Custom Made To Design Stainless Steel
Dimensions per B4 Unit	4.9' x3.2'x3.2'
Weight per B4 Unit	1500 pounds

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