

Bucceri Snowfall PLUS

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Simple to Operate

Real Snowflakes



Serviced in the US

Made in Australia

Any Temperature

The Bucceri Snowfall Plus is the next level in continuing development and improvement of the original, patented Bucceri B4 All-Weather Snow Making Machine. It unites the current digital falling snow technology with the proven Bucceri B4 reliability and success.

This new falling snow machine guarantees simple operation to blow falling snow over large areas for vehicle and equipment testing or for theme park and event use. The equipment allows you to place and produce snowflakes in any quantity and duration that you require.

Features

•Control panel

The LED Control Panel displays everything needed to control your falling snow production. You can access the control panel directly from the LED display or 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

Digital technology, a PLC and 3 Variable Speed Drives allow you to control the output and adjust it to your needs. Thus, any desired height and snow fall density from a tiny snow flutter to a blizzard effect can be produced.

•Internal timer

With the internal timer the snowfall time can be exactly adjusted in minutes, the wait time in minutes and the output time in minutes.

•Modular Operation

With our modular snow production system, you can add more modules to our patented snow fan unit to increase production ranging from 1/2 cubic yard to a staggering 50 cubic yards per hour covering an area of 1250 square feet to a height of up to 80 feet with a single snowfall machine.

How Does it work?

The Patent Pending Bucceri Snowfall PLUS makes snow directly from water with the ability to operate and produce falling snow within minutes of activation.

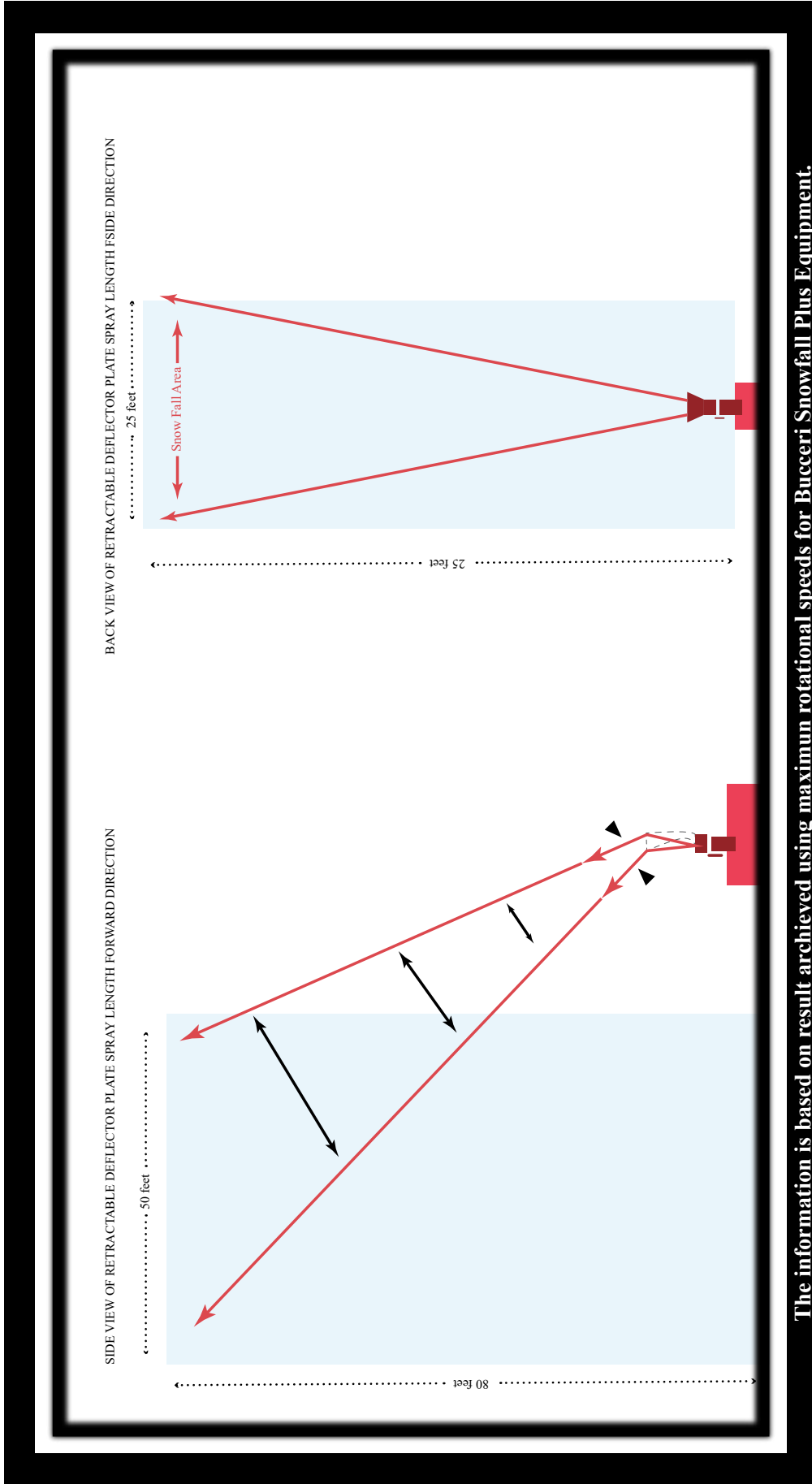
The **Bucceri Snowfall PLUS** uses refrigeration equipment to produce small particles of ice which are harvested into snowflakes of various sizes as they are blown from the machine. The size of the snowflakes and their ability to retain their properties in warmer temperatures can be controlled by dialing in and adjusting the speed and flow of the ice particles to the snow making fan unit. The system is set up with internal ice storage and a heavier snowfall can be created for intermittent operation.

Safety

The Bucceri Snowfall PLUS complies with all current safety requirements for a machine of its type.

Service

The strong partnership between Australian Manufacturer Bucceri Snow Making Pty Ltd, and Global Technology Integrators provides quick and easy service guaranteeing the high quality of all products.



The information is based on result archived using maximum rotational speeds for Bucciari Snowfall Plus Equipment.



Technical data

Procedure	Falling snow generator
Power requirement Including 1 Module with 2 ice Generating Units	<p>Total Load 90 Amps plus E and N</p> <p>Total Load Control Panel 60 Amps plus E and N</p> <p>Consisting of: Fan Blower 50 Amps Conveyor 8 Amps Deflector 2 Amps</p> <p>Total Load Ice Generation 30 Amps plus E and N</p> <p>Consisting of: Ice Generator A 15 Amps Ice Generator B 15 Amps</p>
Voltage	400V/60Hz 3phase
Warm up time	approx. 3 min.
Power Consumption at design output of 20-minute cycles	20kw/hour
Snow Height Range	20 to 80 feet
Snow area Coverage	Up to 1250 square feet
Output projection	54 Snowflakes per square foot per minute
Design Operation	20 Minute Cycle 1 Minute On
Control excluding Ice Generating Module	<p>Omron 30KW 3G3RX-V1 series Inverter (VSD) – Three Phase Input 380-480VAC</p> <p>Omron 0.4KW (1.8A) MX2-series Inverter (1/2HP VSD)- Three Phase Input 380-480VAC</p> <p>Omron 2.2KW (5.5A) MX2-series Inverter (3HP VSD) -Three Phase Input 380-480VAC</p> <p>MPG10R5 Remote Stainless-Steel Control Panel</p> <p>Omron NX1P2-9024DT1 NA5 SYSMAC Machine Automation Controller (MAC), with 14 inputs and 10 PNP outputs.</p> <p>HMI operator 7inch Omron NA screen (800 x 480, 24bit colours)</p> <p>All automation components & Plc Omron</p> <p>All control shall be Ethernet safety over Ethercat</p> <p>All VSD's (variable speed drives) have power filters installed (to comply with overseas standards)</p> <p>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	2
Ice daily productive capacity per Unit	4400 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	13.3kw
Installed Power	8.5kw
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	ABB 30Kw 3 Phase
Coupling	Direct
Bearing	Bucceri
Output	Up to 60 Cubic Yards Per Hour
Connected Conveyor	Bucceri Shaftless Insulated
	Custom Made 15'x 2' Automatic Stainless Steel
Dimensions per Unit	4.9' x3.2'x3.2'
Weight per Unit	1500 pounds

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