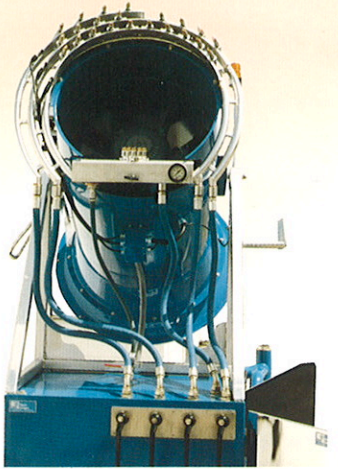


SILENTSTORM SNOWMAKER



SMI's SilentStorm introduces many technical advances that result in significantly increased snow production, reduced noise levels, greater throw, flexibility and reduced operating costs. **Silent** because it's QUIET. **Storm** because its snow production equals or exceeds any snowmaker on the market today.

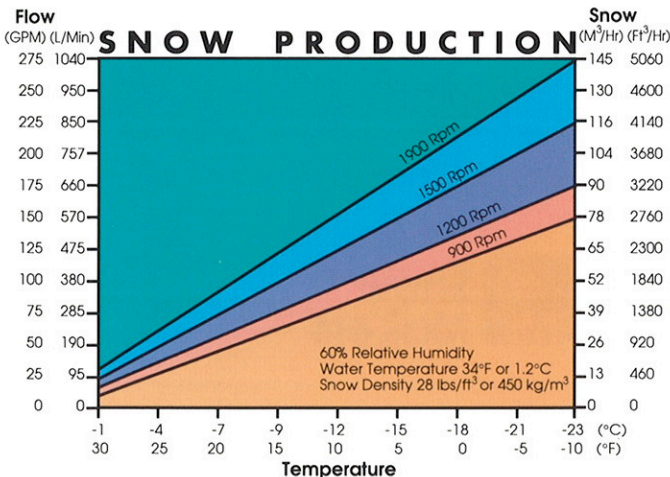
The revolutionary design concepts include a new high efficiency propeller and a variable frequency drive on the fan. The propeller with its skewed leading edge is specially designed to produce more air to increase efficiency over 45%.

The Variable Frequency Drive allows ultimate flexibility. The VFD lets you "dial in" the fan speed from 900 RPM to 1900 RPM. Low speed (900 RPM) is very quiet and can be used on narrow trails or windy nights to limit throw. High speed can be used in open areas for maximum snow production. You can "dial in" the proper throw and noise level for the different locations on your mountains. Trail width, chairlift lines, and condominium locations are conditions that can be easily accommodated. The machine can now be used in various locations and conditions.

The SilentStorm has a special air intake, a long barrel, multiple nucleators and over 35,000 CFM (1000CMM). The manifold design advances the patented Boyne and Highland snowmaking concepts to increase snow production significantly in all temperature/humidity conditions. The SilentStorm uses one to twelve nucleators and offers a simplified step valving system for easy use. A customized heating system is included. Flood and trouble lights are standard.

The machine is well packaged on a 360° turntable that is easy to use. A triangular-shaped four wheel carriage allows easy mobility and quick set up and shutdown.

The SilentStorm is high production, energy efficient, portable, flexible and quiet. It is one of the world's quietest snowmakers. The combination of low capital cost, low operating cost, variable throw, and low noise makes the SilentStorm the most flexible snowmaker and the best investment in snowmaking you will ever make.



Note: Maximum flow at 500 psi or 35 Bar. Flow is dependent on water pressure.



SMI Snow Makers

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SILENTSTORM SNOWMAKER

TECHNICAL SPECIFICATIONS

Dimensions	Height	8' 8" (2.64m)
	Width	7' 8" (2.34m)
	Length	13' 4" (4.06m)
	Weight	2,400 lbs (1,090 kg)
Construction	Triangular shaped four-wheel chassis featuring tubing frame with easy to use turntable pivot	
	2 anchoring jacks	
	Cord rack	
	Heavy duty pintle hook	
	150' electrical cord with plug	
	Water debris strainer	
	Manifold heating system	
	360° horizontal pivot	
	0-55° vertical pivot	
	Enclosed easy to maintain compressor	
	Nozzle box	
	Stainless steel manifold, valve box and screen	
22 bulk water nozzles, used in sixteen steps, each machine configured to your ski area conditions		
Optional:	Available with variable frequency drive on fan or with standard high performance panel	
Warranty	One year on parts and workmanship	

Fan Details:	Speed	Air Volume	Throw*
	RPM	CFM/CMM	Feet/Meters
	900	17,000/480	80/25
	1200	22,000/625	115/35
	1500	28,000/795	150/45
	1800	33,000/935	180/55
1920	35,500/1000	200/61	

*Actual throw dependent on wind conditions, and water converted to snow

SERVICES REQUIRED FOR SILENTSTORM SNOWMAKER

Electrical

Standard: 460 volt - 3 phase - 18 amps up to 42 amps depending on fan speed and compressor

Optional: 230, 380, or 575 volt - 50 or 60 Hertz - 3 phase

Water

At least 150 gallons (570 liters) per minute at 150 PSI (10 Bar) (minimum)

Compressed Air

At least 40 CFM at 100 PSI up to 100 CFM

At least 1.15 CMM at 7 Bar up to 2.85 CMM at 10 Bar

SilentStorm involves U.S. Patents including:

3,979,061
4,004,732
4,105,161
4,214,700
4,222,519
and foreign patents
and other patents pending

