



SMI's scientifically advanced SnowStream 320 is the only snowmaking machine not using compressed air. The SnowStream 320 directs a stream of water through special patented blades driven by an electric motor. A thin film of water on the longer blades forms crystals which shear off and nucleate the fine spray of water coming off the shorter blades.

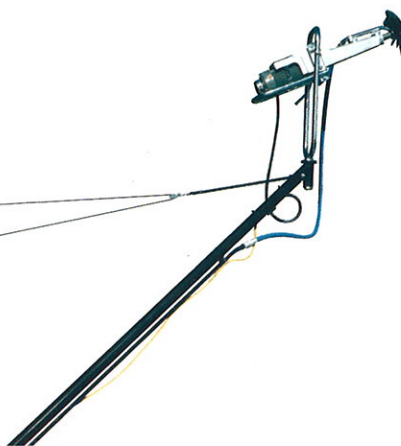
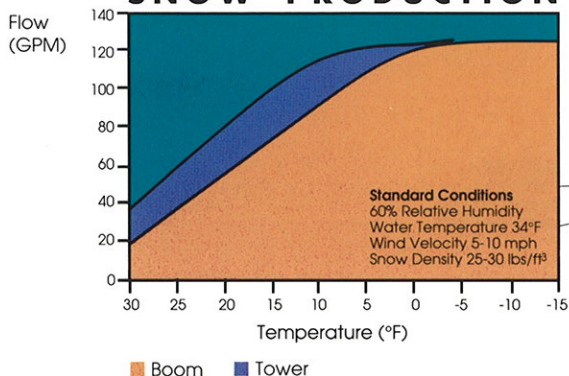
The SnowStream 320 is lightweight and easy to operate. It works best in places where snow receives heavy wear such as the base area or steeps. It can be installed on a 20', 30', or 40' tower. Just plug it in, point it downwind, turn on the water, and make lots of snow at temperatures up to 30°F (-1°C).

The SnowStream 320 has proven its economy and reliability at hundreds of ski areas throughout the world. At least ten ski areas have more than one hundred SnowStream 320s.

The SnowStream 320 is quiet, simple and inexpensive to purchase and operate.

16 Times quieter than compressed air guns.

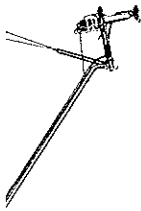
SNOW PRODUCTION



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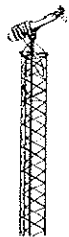
SNOWSTREAM 320 HEAD SPECIFICATIONS

Dimensions	Height 50" in horizontal position, 70" in up position Width 30" without safety arms Length 60" Weight 312# (420# with control box and cord) Mount allows 360° horizontal adjustment Four-position vertical adjustment
Fan	12 blades, 6 long 6 short; cast aluminum with a special anodized Teflon coating; 20" diameter standard
Motor	20 HP - 460 volt - 3 phase Service Factor 1.3 Optional voltage available
Coupling	Special design shock-absorbing coupling to increase bearing life and isolate motor
Manifold	All stainless steel, heliarc welded
Control Panel	Stainless steel enclosure, disconnect switch, overload protection, ampere and volt meters
Conductor	Strain relief on 200' 10/4 special low temperature cord, Hubbell or optional plug
Regulation of Water	1-1/2" ball valve on machine to control water quantity and snow quality
Warranty	One year on parts and workmanship



BOOM SPECIFICATIONS (subject to change without notice)

Dimensions	Length 21' Diameter 4" Height 21' to 0' from gearbox mount 0° horizontal to 90° vertical adjustment 180° horizontal movement of boom.
Pole Requirement	Class 5 wood pole or equivalent (not included)
Construction	Heavy wall tubular steel Primed and finish painted in gloss black 360° rotation capability at head
Warranty	One year on parts and workmanship



TOWER SPECIFICATIONS (subject to change without notice)

Dimensions	Height Two 20' sections (40') Width 24"
Construction	Designed to withstand 85 MPH winds Galvanized steel cross-braced construction Control panel and 1-1/2" water hook-up at base Rotating center section allows 360° adjustment of head from the ground Water inlet swivel fitting provided at base Base section provided (to be set in concrete) 1-1/2" water adjustment valve included
Warranty	One year on parts and workmanship

SNOWSTREAM 320 OPERATING COSTS

Standard Conditions: 60% R/H, 34° water temp., calm winds

		20°F	10°F
Gal. of water/min. converted to snow		32	60
Gal. or water/hr. converted to snow		1920	3600
Cu. ft. of snow produced/hr. (3 gal. water=1 cu. ft. snow)		640	1200
Acre-in. of snow produced/hr		.18	.33
10-yd. dump truck loads of snow produced/hr.		2.40	4.40
Tons of snow produced/hr. (1 Ton=80 cu. ft.)		8	15
Kw. electricity used/hr.		15	18
Cost/hr. of operation	@ \$.06/KWH	.90	1.05
	.07/KWH	1.05	1.26
	.08/KWH	1.20	1.44
Cost/acre-in. snow	@ \$.06/KWH	6.43	4.00
	.07/KWH	7.50	4.67
	.08/KWH	8.57	5.33
Cost/1000 hr. operation	@ \$.06/KWH	900	1,080
	.07/KWH	1,050	1,260
	.08/KWH	1,200	1,440

SERVICES REQUIRED FOR SNOWSTREAM 320

Electrical	Standard: 460 Volt - 60 Hertz - 3 Phase Maximum draw 25 amps Optional: 230, 380, or 575 Volt - 50 or 60 Hertz - 3 Phase
Water	At least 100 gallons per minute at 100 PSI.

Snowstream licensed under U.S. Patents:

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4,901,920
4,214,700
4,004,732

