



# SMI

## Standard Wizzard Snowmaker

The SMI® Standard Wizzard Snowmaker is our medium size multi-nozzle fan gun. Developed to excel in marginal temperatures, it delivers a medium throw distance for a good value. The Standard Wizzard is offered in a variety of custom tower and carriage mounts, with a piston or vane compressor, in manual or automatic mode.

The design uses a 15 HP (11 kW) fan and four rings of 75 heated nozzles per ring that you can customize to suit specific snowmaking conditions. These 300 heated nozzles are nucleated by a built-in ring of 20 nucleator nozzles on the periphery of the spray manifold. Water flow is easily controlled by three heated, self-draining valves.

The Standard Wizzard is reliable and simple to operate and maintain — an excellent overall value in the Wizzard product family.



PROJECTED WATER FLOW RATES\* — CARRIAGE EXAMPLE

■ Gallons per minute**		■ Liters per second**	
Ring	100 psi 1 (always on)	Ring	1 (always on)
100 psi	11.0	7 bar	0.7
200 psi	16.0	14 bar	1.0
300 psi	19.0	20 bar	1.2
400 psi	22.0	28 bar	1.4
500 psi	25.0	34 bar	1.6
600 psi	27.0	41 bar	1.7
2	11.0	2	0.7
3	15.0	3	0.9
4	18.0	4	1.1
1+2	22.0	1+2	1.4
1+2+3	37.0	1+2+3	2.3
1+2+3+4	55.0	1+2+3+4	3.5

\* for standard nozzle configuration (Ring 1 - 75x10, Ring 2 - 75x10, Ring 3 - 75x12, Ring 4 - 75x15)  
 \*\* Projections vary in marginal conditions



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## TECHNICAL SPECIFICATIONS

- Mount: 10.5' or 15.5' (3,2 m or 4,7 m) tower or 3 wheel painted A-frame carriage or 3 wheel galvanized steel carriage with Snowcat lifting brackets
- Electrical: Three phase
- Fan Horsepower: 15 HP (11 kW)  
 Fan Speed: 1760 rpm at 480V/60Hz  
 or 1450 rpm at 400V/50Hz  
 Propeller: SMI patented aluminum  
 Screen: Stainless steel
- Compressor at 480V/60Hz:  
 5,5 HP (4,8 kW) Atlas Copco, 21,4 cfm at 100 psi (10,1 l/s at 7 bar)  
 or 5 HP (3,7 kW) Hydrovane, 22 cfm at 100 psi (10,4 l/s at 7 bar)  
 Compressor at 400V/50Hz:  
 5,5 HP (4 kW) Atlas Copco, 17,8 cfm at 100 psi (8,4 l/s at 7 bar)  
 or 5 HP (3,7 kW) Hydrovane, 22 cfm at 100 psi (10,4 l/s at 7 bar)
- Heating: 4 - 6 kW
- Water Flow: Carriage suggested 12-130 gpm (0,7-8,2 l/s)  
 Tower suggested 15-135 gpm (3,6 - 32,3 l/s)
- Water Pressure: 100-500 psi (7-34 bar)
- Water Connection: Customer's choice
- Valves: Three self-draining heated three-way valves
- Nozzles: Always on banks - 75 nozzles, Valve 1 - 75 nozzles, Valve 2 - 75 nozzles, Valve 3 - 75 nozzles, Total - 300 nozzles
- Nucleators: 20 heated nucleators on periphery ring
- Filtration System: Stainless steel filter with easy to use, washable 60 mesh screen
- Electrical Cord: Tower 40' (12 m)  
 Carriage 150' (45 m)
- Rotation: 360° horizontal rotation, -10° to 60° elevation adjustment
- Oscillator: Optional for tower and galvanized carriage  
 70° arc of rotation

**SMI SNOW MAKERS**  
 SMI COVERS THE WORLD  
 Snow Machines, Inc.  
 1512 Rockwell Drive  
 Midland, MI 48642  
 Phone: 989-631-6091  
 Toll-Free: 1-800-248-6600  
 Fax: 989-631-3162  
 Web Site: [www.snowmakers.com](http://www.snowmakers.com)

