



SMI

Silent PoleCat Snowmaker

The SMI® Silent PoleCat is a simple nozzle fan snowmaker with dampened noise levels yet still delivers excellent snow production for a range of weather conditions expected from the PoleCat technology.

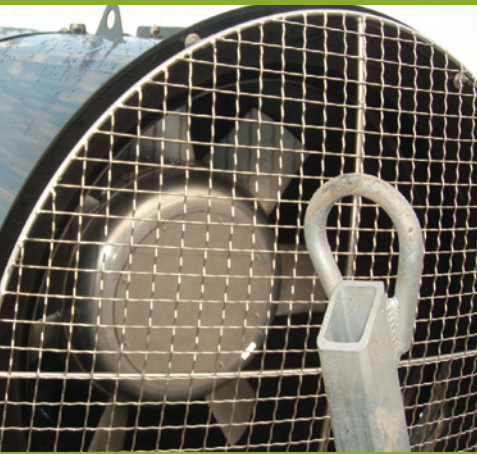


The Silent PoleCat is perfect for snowmaking in areas sensitive to noise from traditional snowmaking systems. Offered in a variety of custom tower and carriage mounts, the Silent PoleCat Snowmaker can be powered by a 4 kW vane compressor, or by hill air feed.

Available in manual or automatic mode, the Silent PoleCat uses a 15 HP (11 kW) fan and 18 spray nozzles that are customized to achieve water flows to suit specific climates. Nucleated with a central six-jet nozzle, water flow is easily controlled by three heated, self-draining valves.

The Silent PoleCat is reliable and simple to operate and maintain—an excellent all-around performer for virtually any snowmaking conditions.





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TECHNICAL SPECIFICATIONS

■ Noise Levels

| Sound Level, dB(A) | 10 Meters | 20 Meters | 50 Meters |
|--------------------|-----------|-----------|-----------|
| Front | 71 | 62 | 54 |
| Back | 68 | 63 | 53 |
| Side | 66 | 60 | 51 |

- Mount: 10.5' or 15.5' (3.2 m or 4.7 m) tower or 3 wheel galvanized steel carriage with Snowcat lifting brackets

- Electrical: Three phase

■ Fan:

Horsepower: 15 HP (11 kW)
 Fan Speed: 1760 rpm (1760 U/m) at 480V/60Hz
 1450 rpm (1450 U/m) at 400V/50Hz
 Propeller: SMI patented aluminum
 Screen: Stainless steel

■ Air:

Compressor at 480V/60Hz: 5 HP (3,7 kW) Hydrovane, 22 cfm at 100 psi (10,4 l/s at 7 bar) or hill air 60-100cfm at 80psi (28,3 l/s – 47,2 l/s at 5,5 bar)

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■ Heating: 225 W

Optional spray nozzle heater 500 (at 400V/50Hz), 1300 W (at 480V/60Hz)
 900 W Additional if Hill Air

■ Water Flow:

Carriage suggested 10-100 gpm (30-380 lpm)
 Tower suggested 18-125 gpm (68-475 lpm)

- Water Pressure: 100-500 psi (7-35 bar)

- Water Connection: Customer's choice

- Valves: Three self-draining heated three-way valves

- Nozzles: Always on banks - 6 nozzles, Valve 1 - 4 nozzles, Valve 2 - 4 nozzles, Valve 3 - 4 nozzles, Total - 18 nozzles

- Nucleators: Central nozzle with six jets

- Filtration System: Stainless steel filter with easy to use, washable 30 mesh screen

- Electrical Cord: Tower 40' (12 m)

Carriage 150' (46 m)

- Rotation: 360° horizontal rotation, -10° to 60° elevation adjustment

- Oscillator: Optional for tower and galvanized carriage
 70° arc of rotation



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