

SMI SUPER POLECAT

The SMI Super PoleCat Snowmaker is SMI's big throw simple nozzle fan snowmaking product that excels in all temperature conditions. The Super PoleCat is offered with an onboard compressor or hill air feed, in manual or automated controls with a variety of custom tower and carriage mounts.

The Super PoleCat uses a 25HP (18 kW) fan for a big throw and 30 or 36 nozzles that you can customize to achieve water flows specific to your climate. These 30 or 36 nozzles are nucleated with a single central six jet nucleator nozzle. Water adjustment is easy with four heated self draining valves in manual configuration, or automatically adjusts with an automated configuration.

The PoleCat is simple to operate and maintain and an excellent all around performer for all conditions. Another great snowmaking value from SMI.

Call SMI or your local representative today for more information or visit us at snowmakers.com.





TECHNICAL SPECIFICATIONS

SUPER POLECAT FLEXIBILITY AND PERFORMANCE

The Super PoleCat is a high performance big throw snow machine with many flexible automation options including remote control and full automatic modes of operation for either individual standalone machines or when connected to a complete network.

SMI's SmartSnow™ Automation & Control software is flexible and customizable and offers proven communication options, accurate weather measurement, supporting equipment and instrumentation, integrated auxiliary equipment, and service that is second to none.



Snow Machines, Inc.
1512 North Rockwell Dr.
Midland, MI 48642
Tel: +1-989-631-6091
Toll Free: +1-800-248-6600
snowmakers.com

- Mount: Various tower configurations or 3 wheel galvanized steel carriage with Snowcat lifting brackets
- Electrical: Three phase
- Fan: 25 HP (18 kW):
1760 rpm (1760 U/m) at 480V/60Hz
1450 rpm (1450 U/m) at 400V/50Hz
Propeller: SMI aluminum
Screen: stainless steel
- Compressor:
5 HP (3.7 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)
or 10 HP (7.5 kW) Hydrovane, 43.3 cfm at 100 psi (20.5 l/s at 7 bar)
or hill air, 60-100cfm at 80psi
- Heating: 300 W
Optional spray manifold heater 1300 W
900 W additional if hill air
- Water Pressure: 200 – 750 psi (14 – 50 bar)
- Water Connection: Customer's choice
- Valves: Automated valve manifold or for manual controls, four self-draining heated three-way valves
- Manual Nozzle Configuration: Always on banks: 10 nozzles
Valve 1: 6 nozzles
Valve 2: 4 nozzles
Valve 3: 5 nozzles
Valve 4: 5 nozzles
Total: 30 nozzles
- Automated Nozzle Configuration: 30 or 36 nozzle spray
Optional shroud
- Nucleators: Central nozzle with six jets
- Filtration System: Stainless steel filter with washable 30 or 60 mesh (595µm) screen
- Electrical Cord: Tower: 40' (12 m), Carriage: 100' (30 m)
- Rotation: 360° horizontal rotation – 10° to 60° elevation adjustment
- Oscillator: Optional 70° or 350° arc of rotation