



SMI

Super Polecat Snowmaker

The SMI® Super PoleCat Snowmaker and Snowtower® are SMI's big throw simple nozzle fan snowmaking products that excel in all temperature conditions. The Super PoleCat is offered with a piston or vane compressor or hill air feed, in manual or automatic, and in a variety of custom tower and carriage mounts.



The PoleCats use a 20 or 25 HP (15 – 19 Kw) fan for a big throw and 30 nozzles that you can customize to achieve water flows specific to your climate. These 30 nozzles are nucleated with a single central six jet nucleator nozzle. Water adjustment is easy with four heated self draining valves.

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



PROJECTED WATER FLOW RATES

■ Gallons per minute		■ Liters per minute	
Bank	Nozzles	Bank	Nozzles
Always On	10x078	Always On	10x078
Valve 1	6x078	Valve 1	6x078
Valve 2	4x078	Valve 2	4x078
Valve 3	5x092	Valve 3	5x092
Valve 4	2x092	Valve 4	2x092
Total		Total	
	200 psi		300 psi
	400 psi		500 psi
	300 psi		400 psi
	400 psi		500 psi
	500 psi		600 psi
	600 psi		700 psi
	700 psi		800 psi
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	6900 psi		7000 psi
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	9700 psi		9800 psi
	9800 psi		9900 psi
	9900 psi		10000 psi



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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: 20 or 25 HP (15 Kw or 19 Kw)
Fan Speed: 1760 rpm or 1450 rpm
Propeller: SMI 7 blade aluminum
Screen: stainless steel
- Compressor: 5 or 10 HP (4 Kw or 7.5 Kw) Piston or Hill Air
5 or 10 HP (4 Kw or 7.5 Kw) Vane or Hill Air
20 or 40 cfm at 80 psi if on-board compressor
60-100 cfm at 80 psi if Hill Air
- Heating: 285 watts
Optional spray manifold heater 1300 watts
900 watts additional if Hill Air
- Water Flow: 22-142 gpm (83 - 540 lpm)
- Water Pressure: 100 - 750 psi (7 - 50 Bar)
- Water Connection: Customer's choice
- Valves: Four self draining heated three-way valves
- Nozzles: Always on banks- 10 nozzles, Valve 1 - 6 nozzles, Valve 2 - 4 nozzles, Valve 3 - 5 nozzles, Valve 4 - 5 nozzles, Total - 30 nozzles
- Nucleators: Central Nozzle with six jets
- Filtration System: Stainless steel filter with washable 30 mesh screen
- Electrical Cord: Tower 40 feet (12 meters)
Carriage 150 feet (46 meters)
- Rotation: 360° horizontal rotation -10° to 60° elevation adjustment
- Oscillator: Optional for tower and galvanized carriage
70° arc of rotation



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