TECHNICAL SPECIFICATIONS

- 10.5’ (3.2 m) tower or 3-wheel galvanized carriage, and 25’ (8 m) swing arm
- Electrical: 3-phase
- Super Puma Fan: 25 HP (19 Kw)
  Standard Puma Fan: 15 to 20 HP (11-15 Kw)
  Propeller: SMI custom aluminum
  Screen: stainless steel
- Compressor: 5 or 10 HP (4 or 7.5 Kw) Rotary Vane
- Heating: 500 to 2,500 Watts
- Water Flow: 10-130 gpm (40-500 lpm)
- Water Pressure: 150-1000 psi (10-63 Bar)
- Water Connection: Customer choice
- Valves: Five self draining heated 3-way valves
- Nucleators: Periphery with 27 nozzles
- Filtration System: Stainless steel filter with washable 30 mesh screen
- Electrical Cord: Tower 30’ (10 m) Carriage 100’ (30 m)
- Rotation: 360° horizontal rotation, -10° to 60° elevation adjustment
- Oscillator: Included as standard for 359° rotation with programable arcs

SMI Snow Makers
WEATHERPROOF™

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PUMA







king of the mountain



Super Puma



Standard Puma

THE PUMA SERIES

The Puma and Super Puma Snowmakers have been developed with input from customers, service technicians and sales reps, worldwide, with a goal of maximizing production over a wide range of conditions, especially in marginal temperatures. The Puma was designed to interface with automation and control software for optimum performance in any snowmaking weather. It is equipped with an onboard aspirated weather station, air and water pressure monitoring, and automated flow control. The small flow steps deliver a smooth snowmaking curve, fine-tuning the water volume, air pressure and nucleation to best suit constantly changing weather conditions.

Each unit employs a convenient touch-screen panel at eye level for manual control when desired, and the Puma can be configured to communicate with a central computer via hardwire (copper, CAT 5 Ethernet or fiber optic), or by radio. The machine is well-suited to central intelligence (a single computer or control room for all snowguns) or distributed intelligence (some type of computer to manage each snowgun, pod or ski trail).

Thanks to the Puma's level of automation, operators can raise and lower the barrel or adjust the oscillation arc up to 359° on any number of machines from a central command station, helping to deliver pinpoint control with minimal labor. The result is better snow distribution and reduced man hours needed for grooming.

With its low, compact center of gravity and ergonomic design, the Puma is easy to use and transport. Components are positioned to make transport via snow cat blade easy and safe, minimizing overhanging load and reducing stress on the blade. Adjustable lifting brackets accommodate all snow cat blade designs.

Like all of SMI's products, the Puma follows a philosophy of easy operation, transport and maintenance. The units are designed to be user serviceable, with readily available replacement parts.

SMI's ultimate goal is to provide equipment that allows ski resorts to open earlier in the season, with higher trail counts. The rising levels of automation in designs like the Puma help achieve that goal, and to recover more quickly from bad weather events, so you can stay open longer and offer the best snow surfaces possible.

SMI
snowmakers.com











TELEMET

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