

# Super PoleCat

E V A P O R A T O R



## OVERVIEW

The SMI® Super PoleCat Evaporator is a long-throw design (over 200 feet or 61 meters) that efficiently and reliably evaporates excess water in large areas. The Super PoleCat Evaporator is easy to use, easy to maintain, energy efficient and quiet – an excellent overall value.

## BENEFITS

**Mobility:** The SMI® Super PoleCat Evaporator is designed to move easily around your site, allowing operators to quickly reposition the unit to take advantage of changing wind direction and speed.

**Excellent Performance:** The high air velocity from our unique fan and barrel design combines with optimized water droplets to accelerate evaporation. Annual evaporation rates up to 75% have been achieved, with averages typically between 25 and 65%. Actual rates depend upon many factors, including ambient temperature, relative humidity, water make-up and wind.

**Easy Maintenance:** The Super PoleCat is designed for easy cleaning and maintenance. The fan motor has been developed for long life in wet conditions, and the pre-lubricated, sealed bearings eliminate the need for weekly or monthly lubricating.

**Extreme Duty:** This evaporator design has evolved from 10 years of experience in industrial and extreme outdoor applications. Critical components are manufactured from stainless steel for extended life in harsh environments.

## FEATURES

**Flexible plume height** to adjust droplet drift, for greater efficiency in swirling or constantly changing winds and higher evaporation rates due to longer hang time.

**Teflon® spiral nozzles** reduce fouling and clogging and provide for easy cleaning

**Mobile unit** allows easy repositioning to take advantage of wind direction and speed



# Super PoleCat

E V A P O R A T O R



## SPECIFICATIONS

### Fan and Head System

- 25 HP world motor (for 3 phase / 480 Volt / 60 cycle and 3 phase / 400 volt / 50 cycle power; motors for other voltages available upon request)
- Aluminum blades rotating at 1800 rpm (480 Volt / 60 cycle) or 1450 rpm (400 volt / 50 cycle)

### Mount

- 3-wheel galvanized A-frame carriage (options available for galvanized turntable enclosure carriage with oscillator or tower mounts)
- Tow bar with wheel lock
- Hand jack to raise and lower angle of water plume

### Water System

- Stainless steel spray manifold. Designed for flow rate of 66 gpm (250 lpm) at 100 psi (7 bar) water pressure
- Teflon® spiral nozzles

### Electrical

- 25 HP premium efficiency fan motor rotating at 1800 rpm (480 volt / 60 cycle) or 1450 rpm (400 volt / 50 cycle) (motors available in other voltages and cycles)
- Stainless steel control panel with start and stop buttons
- 150 feet (45 m) electrical cord

### Warranty

- Full one year warranty on all parts and workmanship

### Options

- Oscillation available
- Y-line manual flush filter for dirtier water
- High volume nozzle configurations
- Longer electrical cord available without splices



Fan



Settling Jack



Hand Jack



Nozzles



SMI Evaporative Solutions  
1512 Rockwell Drive  
Midland, MI 48642  
Phone: 989-631-6091  
Toll-Free: 1-800-248-6600  
Fax: 989-631-3162  
Website: [www.evapor.com](http://www.evapor.com)