Super PoleCat
EVAPORATOR





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.

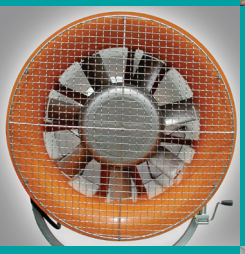
Teflon® spiral nozzles reduce fouling and clogging and provide for easy cleaning

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



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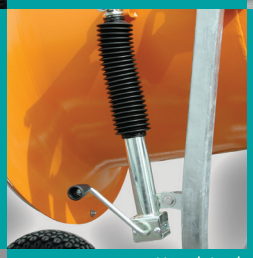


Fan

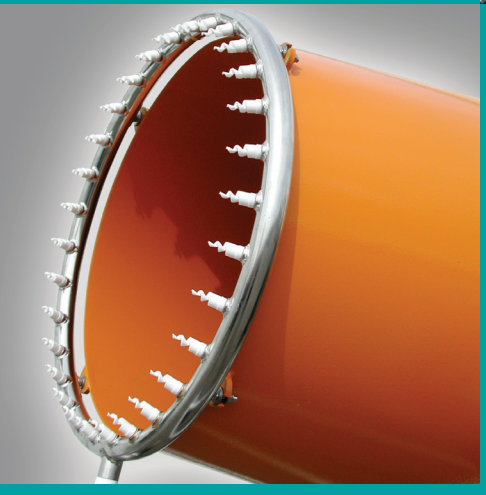


Settling Jack





Hand Jack



Nozzles

SPECIFICATIONS

Fan and Head System

- 33 inch diameter fan
- 7 blades type W fan
- Aluminum fan rotating at 1800 RPM at 480 volts, 3 phase, 60 cycle power or 1450 RPM at 400 volts 50 cycle power
- Producing 26,000 CFM of air

Mount

- 3 wheel galvanized A-frame carriage or option available of 3 wheel galvanized carriage with enclosed turntable and oscillator, or tower mount
- Tow bar with wheel lock
- 3 leveling, anchor jacks
- Hand jack to raised and lower angle of water plume

Water System

- Stainless Steel spray manifold
- 30 Teflon® spiral nozzles
- 65 GPM (250 LPM) at 100 PSI (7 bar) water pressure

Electrical

- 25 HP premium efficiency fan motor
- Motor rotates at 1800 RPM at 480 volt, 3 phase, 60 cycle power or 1450 RPM at 400 volt 50 cycle power; other voltages and cycles are available
- Stainless Steel Control Panel with start and stop buttons
- 150 feet (45 M) electrical cord

Warranty

- 6 month warranty on all parts and workmanship

Options

- Oscillation
- Y – Line manual flush filter for dirtier water
- Automation, shut down and start-up of evaporator due to wind speed and direction, temperature and humidity

SMI Evaporative Solutions

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