DUST SUPPRESSION

PRODUCT GUIDE

- Dust Control
- Evaporation
- Irrigation
- Material Retention
- Odor Control
- Alternative Daily Cover

U.S. PATENTS

8,657,941 B2 & 8,864,889 B2
AND OTHER PATENTS PENDING
HAWC SHARED SPECS

HAWC 300-100-D specs

Dimensions: 8.5’W x 8.9’L x 7’H

Weight: 7,630 LBS

- 37,500+ CFM generated by 42 HP fan
- Water throw of 300+ feet, 196,000 sq ft coverage
- In-line filter included. (80 mesh, 177 micron)
- 1/2 HP, 12 VDC oscillator motor
- 10,100 feet per minute fan outlet air velocity
- Logan electric over hydraulic clutch
- Murphy electronic controls

GENERAL SPECIFICATIONS

- Oscillator gives 30-360° of reversible movement
- Electronically controlled aiming for oscillation function
- Powered adjustable angle of throw 0-35° of height adjustment minimum
- 360° of powered position adjustment
- Central lubrication where practical using Beka-Max components
- 1,000’ line of sight radio remote control with complete unit emergency shutdown
- Single control point for “at machine’ operation (engine and other functions)
- 5-6 gallon per hour fuel consumption

NOISE LEVEL

- 0 ft = 104 dBA
- 12 ft = 93 dBA

*Water mist throw distance based on 1,000 ft elevation testing

PRIMARY (30) NOZZLE RING

<table>
<thead>
<tr>
<th>WATER PRESSURE (PSI)</th>
<th>40</th>
<th>60</th>
<th>80</th>
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<th>140</th>
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</tr>
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<tbody>
<tr>
<td>WATER FLOW (GPM)</td>
<td>12.0</td>
<td>14.6</td>
<td>16.9</td>
<td>18.9</td>
<td>21.0</td>
<td>22.5</td>
<td>23.3</td>
</tr>
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SECONDARY (6) NOZZLE RING

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</thead>
<tbody>
<tr>
<td>STANDARD WATER FLOW (GPM)</td>
<td>30</td>
<td>37</td>
<td>43</td>
<td>47</td>
<td>52</td>
<td>55</td>
<td>57</td>
</tr>
<tr>
<td>OPTIONAL WATER FLOW (GPM)</td>
<td>60</td>
<td>73</td>
<td>85</td>
<td>95</td>
<td>104</td>
<td>111</td>
<td>114</td>
</tr>
</tbody>
</table>

Cummins QSF3.8L Tier 4F Diesel Engine

- 100 HP continuous duty, EPA Tier IV Diesel
- 306 lb-ft (415 N-m) @1600 RPM
- 232 in³ (3.8L) displacement
- Turbocharged, charge air cooled, & EGR
- 16.9:1 compression ratio
- Bosch HPCR fuel system
- 50 gallon fuel tank
Cummins QSF2.8L Tier 4 Diesel Engine

- 65 HP continuous duty, EPA Tier IV Diesel
- 199 lb-ft (270 N-m) @1600 RPM
- 171 in³ (2.8L) displacement
- Turbocharged, charge air cooled, & EGR
- 16.9:1 compression ratio
- Bosch HPCR fuel system
- 50 gallon fuel tank

HAWC 250-65-D specs
Dimensions: 7.5’W x 8’L x 7.1’H
Weight: 6,700 LBS

- 30,000+ CFM generated by 42 HP fan
- Water throw of 250+ feet, 126,000 sq ft coverage
- In-line filter included. (80 mesh, 177 micron)
- 1/3 HP, 12 VDC oscillator motor
- 8,500 feet per minute fan outlet air velocity
- Single control point for “at machine” operation (engine and other functions)
- Logan electric over hydraulic clutch
- Murphy electronic controls

HAWC 300 & HAWC 250 are CE Compliant per: Machinery Directive 2006/85/EC - Low Voltage Directive 2006/95/EC
DE 150-480V-E specs

Dimensions: 5.2’W x 7.3’L x 6.8’H
Weight: 3,300 LBS

- 17,000 + CFM generated by fan
- In-line filter included (80 mesh, 177 micron)
- 15 HP, 480 VAC, 3-phase fan motor
- 11 HP, 480 VAC, 3-phase for booster pump
- 7,400 feet per minute fan outlet air velocity

Oscillator gives 30-330° of movement
Electronically controlled aiming for oscillation function
Powered adjustable angle of throw
-10 to +45° of height adjustment
330° of powered position adjustment
Central lubrication where practical using Beka-Max components
1,000’ line of sight radio remote control
Single control point for “at machine’ operation

0 ft = 104 dBA
12 ft = 93 dBA

SHARED SPECS

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| WATER COVERAGE AND THROW

- COVERAGE: 65,000 sq ft
- THROW: 150 ft+

*Water mist throw distance based on 1,000 ft elevation testing
**WATER SPECIFICATIONS**
- 30 brass nozzles on primary water ring
- 6 brass nozzles on secondary soaking ring
- Separate ball valve control for each water ring
- Quick disconnect (cam lock) water inlet fitting 2” diameter
- Water boosted by 150 PSI after going through booster pump

**POWER SPECIFICATIONS**
- 1/4 HP, 480 VAC oscillator motor
- 1.0 RPM rotation speed for oscillation
- Rotation supported by gear driven slewing ring
- 1/2 HP, intermittent duty 120 VAC throw adjustment motor

**DE 200-480V-E specs**
- Dimensions: 5.2’W x 7.3’L x 6.8’H 7.1’H
- Weight: 3,400 LBS
- 18,000+ CFM generated by fan
- In-line filter included. (80 mesh, 177 micron)
- 20 HP, 480 VAC, 3-phase fan motor
- 13 HP, 480 VAC, 3-phase booster pump
- 8,100 feet per minute fan outlet air velocity

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### SECONDARY (6) NOZZLE RING

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<td>STANDARD WATER FLOW (GPM)</td>
<td>28</td>
<td>32</td>
<td>36</td>
<td>40</td>
<td>43</td>
<td>46</td>
<td>48</td>
</tr>
</tbody>
</table>

**WATER COVERAGE AND THROW**
- **COVERAGE:** 115,700 sq ft
- **THROW:** 200 ft+

*Water mist throw distance based on 1,000 ft elevation testing*
**Misting System**

**HYDRA Package**  
**GENERAL SPECIFICATIONS**
- Gyratory Atomizing Nozzle Misting System
- 3/4” Utility/Garden Hose water input
- 12” outlet size
- Up to 180 degrees oscillation
- Wireless transmitter remote control

**POWER SPECIFICATIONS**
- DE-150-480V-E packaged with an MQ POWER 45kVA TIER 4 generator
- DE-200-480V-E packaged with an MQ Power 70kVA TIER 4 generator

**WATER TANK SPECIFICATIONS**
- 1,000 gallon water tank
- 2 HP 480v self-priming centrifugal transfer pump with 3 full load amps
- 16 mesh line strainer between the tank outlet and the transfer pump

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**THE DUST DEMOLISHER PACKAGE**

**CWX-D1003M** diesel powered  
Dimensions: 4’W x 10.5’L x 4.8’H  
Weight: 975 LBS (base unit)  
Ships with 5’x10’ wood skid - total weight 1,100 lbs

**GENERAL SPECIFICATIONS**
- Diesel powered
- freshwater or seawater
- Flow rates: 20 to 100 GPM
- Pressure up to 250 PSI

**POWER SPECIFICATIONS**
- 24 HP Kohler Engine (Gasoline)

**WATER SPECIFICATIONS**
- .33-20 Gallon water volume
- 40-120 PSI water pressure
- 50-200 Micron droplet size

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**THE DUST REGULATOR**

**Misting System**

**HYDRA Package** electric powered  
Dimensions: 8’6”W x 23’L x 10’H  
Water Tank: 1,000 gallons  
Weight: 10,200 LBS

**GENERAL SPECIFICATIONS**
- Package includes integrated water tank/trailer, generator, and Dust Demolisher (DE-150-480V-E or DE-200-480V-E)

**POWER SPECIFICATIONS**
- DE-150-480V-E packaged with an MQ POWER 45kVA TIER 4 generator
- DE-200-480V-E packaged with an MQ Power 70kVA TIER 4 generator

**WATER TANK SPECIFICATIONS**
- 1,000 gallon water tank
- 2 HP 480v self-priming centrifugal transfer pump with 3 full load amps
- 16 mesh line strainer between the tank outlet and the transfer pump
# THE DUST ELIMINATOR

## Misting System

### GENERAL SPECIFICATIONS
- Weight: 175lbs
- Tilt Angle: 10° to 50°
- 1” water hose connection
- 53CFM Air Flow

### POWER SPECIFICATIONS
- Electric Motor: Single Phase 230V-50Hz

### WATER SPECIFICATIONS
- Water Usage: @30PSI – 2GPM
- Water Throw Distance: 40+ ft

Includes 6’ electrical and water pigtail connection — unit ships on steel rack

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### GENERAL SPECIFICATIONS
- Lightweight Ceiling-Mounted mister
- High speed atomizer
- Standard 1/2” hose barb fitting
- 22” outlet size
- Up to 10 gallons/hour water volume
- 20-150 microns

### POWER SPECIFICATIONS
- 110V AC voltage, 60 HZ frequency, single phase, 5.4 amps, .8 HP, 620 Watt electric motor
- Fan RPM: 3,420; Disk RPM: 1,710

### WATER SPECIFICATIONS
- Up to 10 Gallons/hr water volume
- 40-120 PSI water pressure
- 20-150 Micron droplet size

**CWX-MCO-110** electric powered
Dimensions: 25”W x 17”L x 36”H
Weight: 73 LBS
WATER THROW COMPARISON

THE HAWC
300-100-D
196,000 sq ft coverage

HAWC
250-65-D
126,000 sq ft coverage

Dust Demolisher
DE 200-480V-E
115,000 sq ft coverage

Dust Demolisher
DE 150-480V-E
65,000 sq ft coverage

Dust Regulator
CWX-D1003M (diesel)
31,500 sq ft coverage

Dust Eliminator

Dust Mister
CWX-MCO-110
3,500 sq ft coverage

*Distances measured at 1,000 ft above sea level
WE SPECIALIZE IN CUSTOM DUST SUPPRESSION EQUIPMENT

TELESCOPING DUST SUPPRESSION

GENERAL SPECIFICATIONS
- DF15000 Misting Fan – 25hp drive motor, 480V-3-phase, 160 degree side to side rotation, 11GPM, 145psi booster pump, Coverage: 37,000 sq ft.
- Genie S-65 4WD, Foam filled tires
- 8’-2” width, 30’-11” Standard Length
- 14.5” Ground Clearance
- 48hp Deutz Tier 4F Diesel, 35 gal fuel tank
- Overall Weight: 23,550 lbs
- MultiQuip MQ45 Gen Set
- HBC Radiomatic Remote Control – 26 key functions including E-Stop
KNOXVILLE, TN
6325 Central Ave Pike
Knoxville, TN 37912
Phone: 865-766-2571

CINCINNATI, OH
920 Deneen Ave
Monroe, OH 45050
Phone: 513-402-7297

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Cleveland, OH 44105
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HEADQUARTERS
4805 Scooby Lane
Carroll, OH 43112
Phone: 740-654-5304

WILLIAMSTOWN, NJ
2636 S Black Horse Pike
Williamstown, NJ 08094
Phone: 856-404-9618

CHARLOTTE, NC
11301 Reames Road
Charlotte, NC 28269
Phone: 980-859-4680

COLUMBIA, SC
141 Brickyard Rd
Lexington, SC 29072
Phone: 803-520-0032

LAKELAND, FL
3729 N Frontage Rd.
Lakeland, FL 33810
Phone: 863-937-6829

RALEIGH, NC
125 Wilsons Mills Rd Ext
Smithfield, NC 27577
Phone: 919-938-8145

FOR OTHER DISTRIBUTORS, CALL 740-808-3130

WE ALSO CARRY WATER TRUCKS

**GENERAL SPECIFICATIONS**

- Klein or United “Vision” tanks
- Remote Cannon and Nozzle with Cab Control
- Front, rear, and driver side spray bars/heads
- Automatic transmission
- Backup alarm

**2000-2500 gallon trucks**
Ford F750 Chassis

**4000-4500 gallon trucks**
7400/7500 International or T370

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