

C.W. Machine **WORX**

The Manufacturing Division of Company Wrench

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

**TIER IV
COMPLIANT!**

THE DUST DESTROYER



CE COMPLIANT

DD-300 & HAWC-250 SHARED SPECS

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

DD-300 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

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

PRIMARY (30) NOZZLE RING

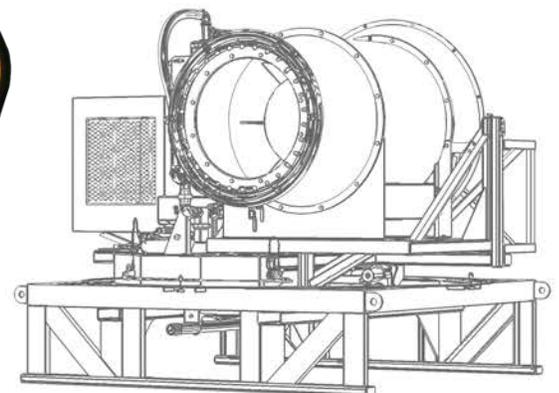
WATER PRESSURE (PSI)	40	60	80	100	120	140	150
WATER FLOW (GPM)	12.0	14.6	16.9	18.9	21.0	22.5	23.3

SECONDARY (6) NOZZLE RING

WATER PRESSURE (PSI)	40	60	80	100	120	140	150
STANDARD WATER FLOW (GPM)	30	37	43	47	52	55	57
OPTIONAL WATER FLOW (GPM)	60	73	85	95	104	111	114

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

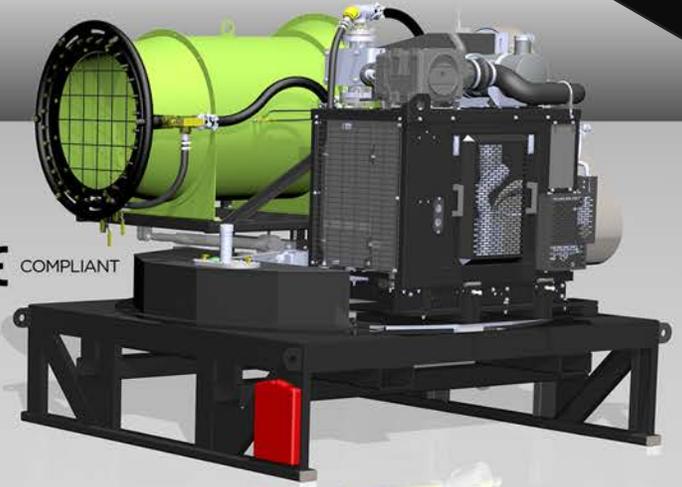


WATER SPECIFICATIONS

- 30 brass nozzles on primary water ring
- 6 brass nozzles on secondary soaking ring
- Separate ball valve control for each water ring
- Quick disconnect water inlet fitting 2" diameter
- Water boosted by 150 PSI after going through booster pump

POWER SPECIFICATIONS

- Electrical components 12 VDC
- 1.0 RPM rotation speed for oscillation
- 1/3 HP, intermittent duty, 12 VDC throw adjustment motor



HAWC-250 specs

Dimensions: 7.5'W x 8'L x 7.1'H

Weight: 6,700 LBS

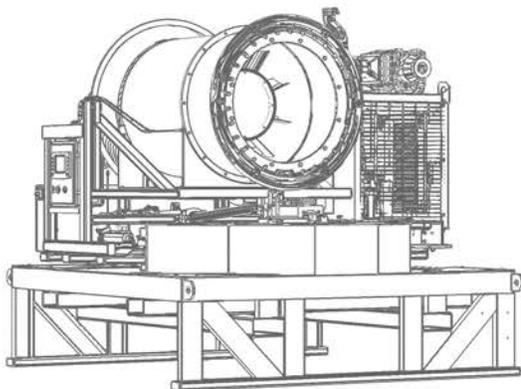
- 30,000+ CFM generated by 42 HP fan
- Water throw of 250+ feet, 126,000 sq ft coverage
- In-line filter included. (80 mesh, 177 micron)
- 1/3 HP, 12 VDC oscillator motor
- 8,500 feet per minute fan outlet air velocity
- Single control point for "at machine" operation (engine and other functions)
- Logan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

PRIMARY (30) NOZZLE RING

WATER PRESSURE (PSI)	40	60	80	100	120	140	150
WATER FLOW (GPM)	10.0	12.3	14.1	16.0	17.5	18.7	19.2

SECONDARY (6) NOZZLE RING

WATER PRESSURE (PSI)	40	60	80	100	120	140	150
STANDARD WATER FLOW (GPM)	28	32	36	40	43	46	48



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

THE DUST DEMOLISHER

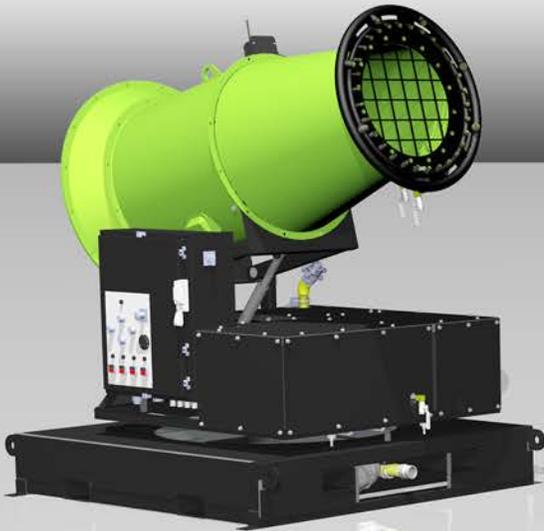
SHARED SPECS

GENERAL SPECIFICATIONS

- 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

NOISE LEVEL

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



DE-150 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

PRIMARY (30) NOZZLE RING

WATER PRESSURE (PSI)	40	60	80	100	120	140	150
WATER FLOW (GPM)	10.0	12.3	14.1	16.0	17.5	18.7	19.2

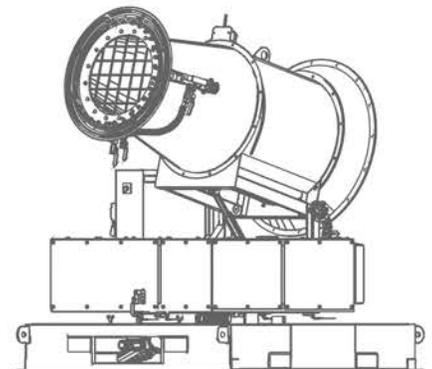
SECONDARY (6) NOZZLE RING

WATER PRESSURE (PSI)	40	60	80	100	120	140	150
STANDARD WATER FLOW (GPM)	22	25	29	32	34	37	38

WATER COVERAGE AND THROW

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

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



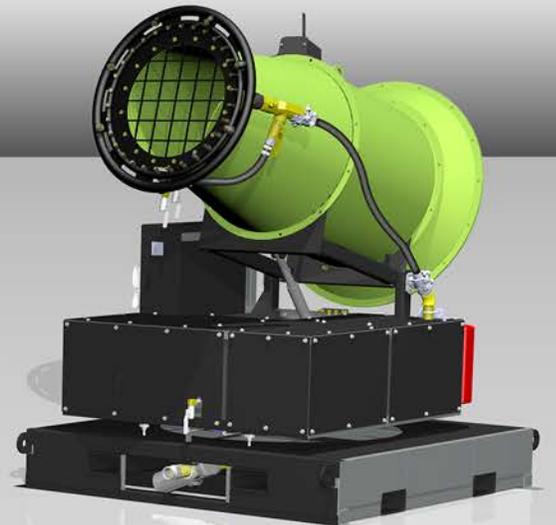
THE DUST DEMOLISHER

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 specs

Dimensions: 5.2'W x 7.3'L x 6.8'H 7.1'H

Weight: 3,400 LBS

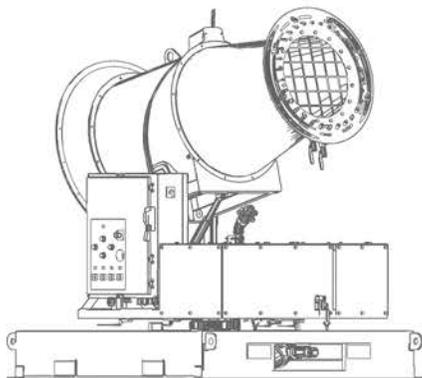
- 18,000+ CFM generated by fan
- In-line filter included. (80 mesh, 177 micron)
- 20 HP, 480 VAC, 3-phase fan motor
- 13 HP, 480 VAC, 3-phase booster pump
- 8,100 feet per minute fan outlet air velocity

PRIMARY (30) NOZZLE RING

WATER PRESSURE (PSI)	40	60	80	100	120	140	150
WATER FLOW (GPM)	10.0	12.3	14.1	16.0	17.5	18.7	19.2

SECONDARY (6) NOZZLE RING

WATER PRESSURE (PSI)	40	60	80	100	120	140	150
STANDARD WATER FLOW (GPM)	28	32	36	40	43	46	48



WATER COVERAGE AND THROW

- COVERAGE: 115,700 sq ft
- THROW: 200 ft+

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

HYDRA

PACKAGE



Hydra Package electric powered

Dimensions: 8'6"W x 23'L x 10'H

Water Tank: 1,000 gallons

Weight: 10,200 LBS (dry weight)

THE DUST DEMOLISHER

HYDRA Package

GENERAL SPECIFICATIONS

JUST ADD WATER!

- Package includes integrated water tank/trailer, generator, and Dust Demolisher (DE-150 or DE-200)

POWER SPECIFICATIONS

- DE-150 packaged with an MQ POWER 45kVA TIER 4 generator
- DE-200 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 REGULATOR Misting System



DR-100 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

- Gyrotory 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

23 HP KDW1003 Kohler Engine (Diesel)

WATER SPECIFICATIONS

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

THE DUST ELIMINATOR

EL-40 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



GENERAL SPECIFICATIONS

- Genie S-65 4WD, Foam filled tires
- 150 ft of water throw- 160° side-to-side rotation at fan
- 14.5" Ground Clearance
- HBC Radiomatic Remote Control - 26 key functions including E-Stop

POWER SPECIFICATIONS

- MultiQuip MQ45 Gen Set
- 48hp Deutz Tier 4F Diesel, 35 gal fuel tank
- Misting Fan: 25hp drive motor 480v-3-phase

WATER SPECIFICATIONS

- Up to 11 Gallons/hr water volume
- 145 psi Booster Pump
- Coverage: 37,000 sq ft.



THE DUST TERMINATOR

Telescopic Dust Control

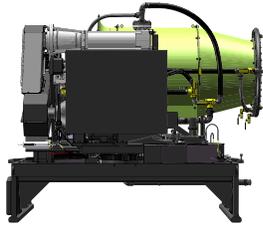


DT-65-150 electric powered fan

Dimensions: 8'-2" width, 30'-11" Standard Length
Weight: 23,550 LBS

WATER THROW COMPARISON

**Dust Destroyer
DD-300**
(diesel)
196,000 sq ft
coverage



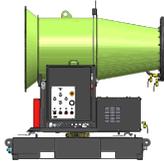
300+ ft

HAWC-250
(diesel)
126,000 sq ft
coverage



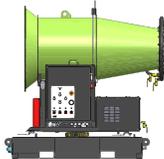
250+ ft

**Dust Demolisher
DE-200**
(electric)
115,000 sq ft coverage



200+ ft

**Dust Demolisher
DE-150**
(electric)
65,000 sq ft coverage



150+ ft

**Dust Regulator
DR-100**
(diesel)
31,500 sq ft
coverage



100+ ft

**Dust Eliminator
EL-40**
(electric)



40+ ft

*Distances measured at 1,000 ft above sea level

WE SPECIALIZE IN CUSTOM DUST SUPPRESSION EQUIPMENT

THE DUST TERMINATOR



HIGH REACH DUST SUPPRESSION

THE DUST DESTROYER



DEMOLITION

THE HAWC



CONSTRUCTION

THE DUST DESTROYER



MINING

THE DUST DEMOLISHER



ELECTRIC POWERED

THE DUST REGULATOR



RECYCLING

THE DUST ELIMINATOR



INDOOR/INDUSTRIAL

C.W. Machine **WORX**

The Manufacturing Division of Company Wrench

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Frankfort, KY 40601
Phone: 502-699-2681

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Lakeland, FL 33810
Phone: 863-937-6829

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

INDIANAPOLIS, IN
1515 W. Epler Avenue
Indianapolis, IN 46217
Phone: 317-782-8850

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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
- Diesel Engines



2000-2500 gallon trucks
Ford F750 Chassis



4000-4500 gallon trucks
7400/7500 International or T370

C.W. Machine
WORX
The Manufacturing Division of Company Wrench

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C.W. Machine **WORX**

PRESENTS

THE DUST FIGHTER DUST SUPPRESSION PACKAGE

- **Dust Fighter - DF20000**
- **MMG55 genset power unit**
- **Dual axle trailer for portability**
- **Dust Fighter - DF15000**
- **MMG35 genset power unit**
- **Dual axle trailer for portability**



GENERAC | MOBILE

**COST EFFECTIVE, RELIABLE PRODUCTS SUPPORTED BY
THE LEADER IN DUST SUPPRESSION SYSTEMS!**

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DUST FIGHTERS

GENERAC | MOBILE

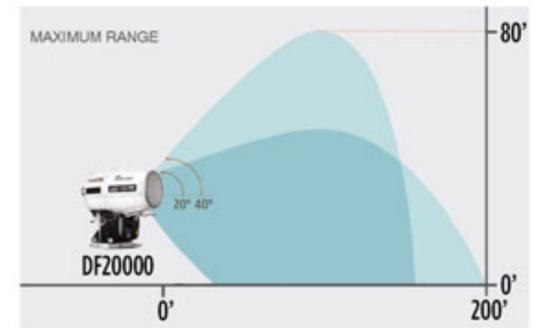
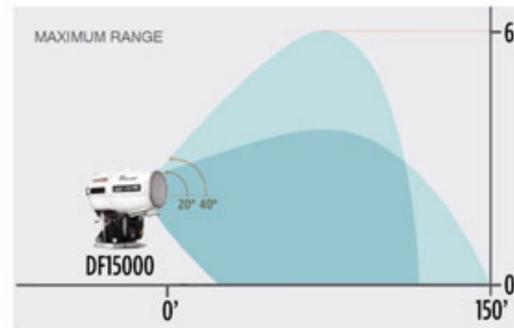
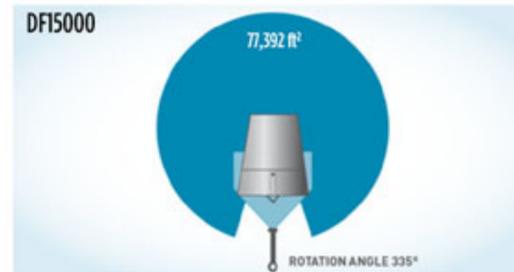
The Dust Fighter DF 15000 is a dust suppression unit with a maximum range of 150 feet, while the DF 20000 has a maximum range of 200 feet. Both units are ideal for medium size outdoor areas.

Standard Equipment

- ▶ Integrated control panel
- ▶ Phase inverter
- ▶ Booster pump w/peripheral impeller
- ▶ Flowmeter for pump protection
- ▶ Gauge for outlet pressure reading
- ▶ Stainless steel crown with nozzles
- ▶ Water drain system
- ▶ Electric tilting
- ▶ Automatic oscillation system
- ▶ Remote Control - switch on/off the fan, the pump, and the electrical rotation, with macro sequential controls



Technical Data	DF 15000	DF 20000
Electrical engine power (fan)	15 kW	22 kW
Generator Requirements	35 kW 680v or larger	50 kW 680v or larger
Coverage (*without wind)	150 ft	200 ft
Electrical connection	Inlet Plug 3-phase — 32 A	Inlet Plug 3-phase — 63 A
Water connection	UNI 45 / STORZ / CAMLOCK	UNI 45 / STORZ / CAMLOCK
Minimum inlet pressure	14 psi	14 psi
Water consumption	16 gpm	18 gpm
Water inlet filter	80 mesh	80 mesh
Work angle	335°	335°
Tilting	0 — 40°	0 — 40°
Dimensions	72" x 27" x 86" (L x W x H)	72" x 27" x 86" (L x W x H)
Dry weight	1,785 lbs	1,875 lbs



MOBILE DIESEL GENERATORS

GENERAC | MOBILE

MMG35DF4 | 2.9 L | 35kVA

EPA Emissions Certification: Final Tier 4

Standby Power Rating | **Prime Power Rating**
31 kW, 39 kVA, 60 Hz | 29 kW, 36 kVA, 60 Hz

ENGINE SYSTEM

- ▶ John Deere® 3029HFG03
- ▶ 3 cylinder
- ▶ Turbocharged
- ▶ 177 in³ (2.9 L) displacement
- ▶ EPA Final Tier 4 approved
- ▶ Power @ 1,800 rpm — hp (kW):
 - Prime: 44 (33)
 - Standby: 18 (36)
- ▶ Iso mounted engine supports
- ▶ Paper element air filter with safety cartridge
- ▶ Electronic isochronous governing
- ▶ Fixed speed fan drive
- ▶ Spin-on cartridge oil filter

FUEL SYSTEM

- ▶ Fuel tank capacity — gal (L):
 - Total: 100 (379)
 - Usable: 90 (341)
- ▶ Maximum run time @ 100% load: 31 hr

GENERATOR

- ▶ 60 Hz engine/generator
- ▶ Marathon Electric® 284CSL1542
 - Brushless
 - 4-pole
 - Class H insulation

WARRANTY

- ▶ 2 year limited or 2,000 hours
 - Unlimited hours covered in first year

MMG55DF4 | 2.9 L | 55kVA

EPA Emissions Certification: Final Tier 4

Standby Power Rating | **Prime Power Rating**
48 kW, 60 kVA, 60 Hz | 44 kW, 55 kVA, 60 Hz

ENGINE SYSTEM

- ▶ John Deere® 3029HFG03
- ▶ 3 cylinder
- ▶ Turbocharged
- ▶ 177 in³ (2.9 L) displacement
- ▶ EPA Final Tier 4 approved
- ▶ Power @ 1,800 rpm — hp (kW):
 - Prime: 67 (50)
 - Standby: 74 (55)
- ▶ Iso mounted engine supports
- ▶ Paper element air filter with safety cartridge
- ▶ Electronic isochronous governing
- ▶ Fixed speed fan drive
- ▶ Spin-on cartridge oil filter

FUEL SYSTEM

- ▶ Fuel tank capacity — gal (L):
 - Total: 100 (379)
 - Usable: 90 (341)
- ▶ Maximum run time @ 100% load: 23 hr

GENERATOR

- ▶ 60 Hz engine/generator
- ▶ Marathon Electric® 286PSL1701
 - Brushless
 - 4-pole
 - Class H insulation

WARRANTY

- ▶ 2 year limited or 2,000 hours
 - Unlimited hours covered in first year

For information about becoming a product distributor, Contact Hugh Gordon
h.gordon@companywrench.com (740)-808-3130

DF1510121