

The Dust Destroyer - Dust Control System

General Specifications

37,500 CFM generated by fan.

10,100 feet per minute fan outlet air velocity.

27,000 sq. ft. covered depending upon wind direction and fan oscillation.

Oscillator gives 0-60 degrees of movement.

Powered adjustable angle of throw 0-35 degrees of height adjustment.

360 degrees of powered position adjustment.

Dust suppression machine weight = 5,000 lbs. (5,500 lbs. with booster pump)

Water Specifications

Throw 20 - 250 feet.

Coverage height 0-75 feet.

30 brass nozzles on primary water ring.

6 brass nozzles on secondary soaking ring.

Separate ball valve control for each water ring.

In-line filter included. (40 mesh, 420 micron)

Quick disconnect water inlet fitting up to 2" diameter.

Water boosted by 150 PSI after going through booster pump.

Optional Equipment

Chemical additive for odor control

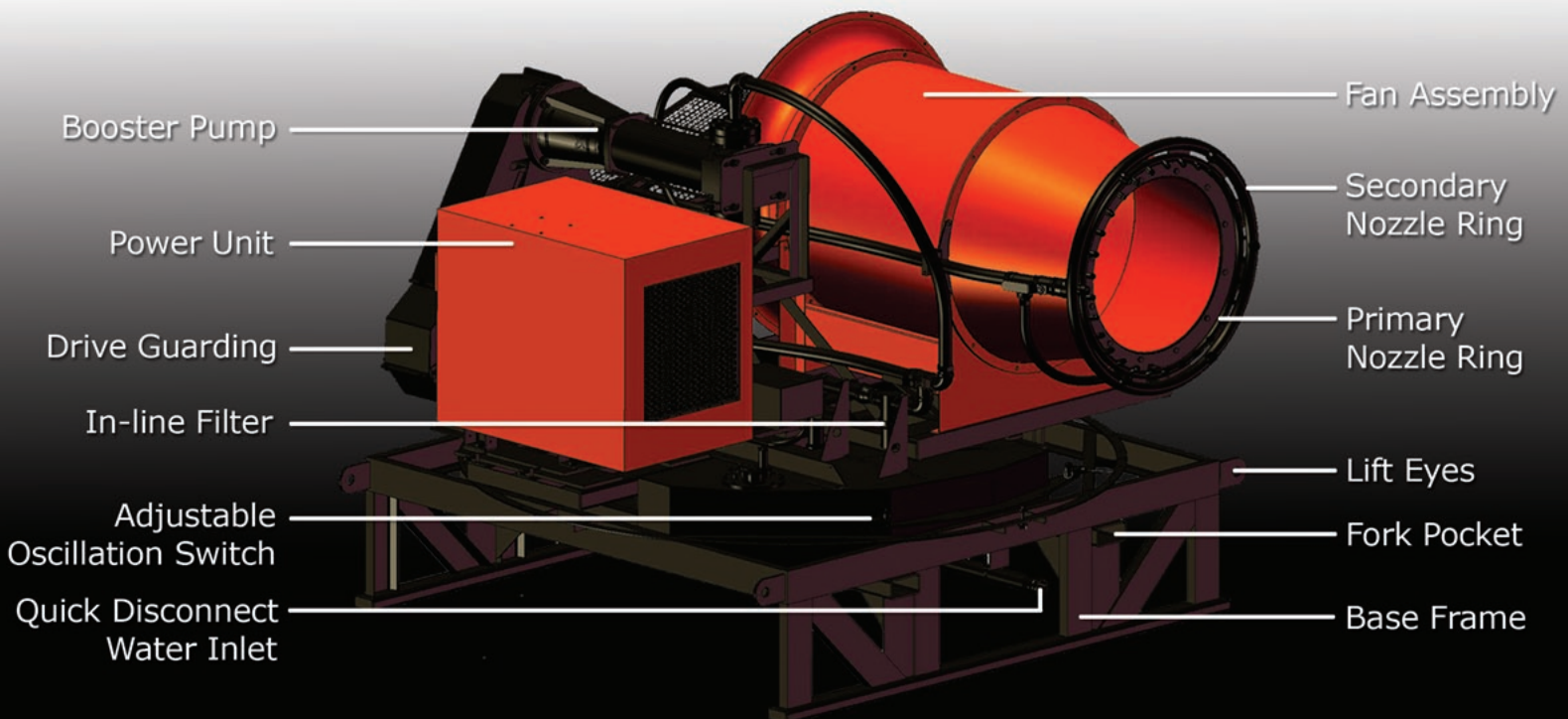
Booster Pump

Trailer

Noise Levels

0 ft = 102 dBA

12 ft = 93 dBA



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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
Water Flow (gpm)	60	73	85	95	104	111	114

Power Specifications

Yanmar, 4TNV98T-ZNSA, EPA Tier III compliant, four cylinder diesel 80 HP continuous duty diesel, 2,200 RPM maximum governed speed.

1/2 HP, 12 volt, direct current oscillator motor.

300:1 worm gear reducer on oscillator drive.

5.94:1 final gear reduction on oscillator drive.

1.0 RPM rotation speed for oscillation.

1/3 HP, intermittent duty, 12 volt, direct current throw adjustment motor.

Dimensions

8.5 feet wide x 8.9 feet long x 7.0 feet tall



C.W. Machine
WORX

The Manufacturing Division of Company Wrench



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