

DB-100 Fusion SPECS



The DustBoss 100 (DB-100) is paired with a genset and placed on a roadworthy trailer, ideal for job sites lacking a convenient power source. The versatile DB-100 can cover up to 140,000 square feet (15,500 square meters) from its trailer-mounted location. The accompanying genset with John Deere diesel engine delivers about 32 hours of runtime without refueling.

**WHEN IT COMES TO DUST,
WE'VE GOT YOU COVERED.**



DustControlTechnology®

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DB-100 SPECIFICATIONS

- Throw: more than 328 feet (100 meters).
- Coverage: 140,000 square feet (15,500 square meters).
- Droplet size: 50-200 microns (30 nozzles).
- Gooseneck trailer: 2 5/16" ball hitch.
- Adjustable throw angle: 0° to 50°.
- Premium efficiency direct-drive motor.
- 0-180° user defined oscillation.
- Touch screen controls.
- Soft start.
- Hoses, couplings, and relevant tools provided.

ELECTRICAL SPECIFICATIONS

- Power: 150 KW Genset with John Deere diesel Tier III Flex engine.
- Fuel capacity: 150 gallons (~32 hours' runtime).
- U.S.: voltage: 480 V / 60 Hz / 3 Phase / 60 HP fan. Full load current: 91 amps.
- NEMA 3R control panel enclosure on DB-100.

WATER REQUIREMENTS

- Standard configuration includes booster pump for supplied pressure. Optional pump with lift available.
- Supply: Minimum 10 PSI (0.69 BAR) constant pressure must be delivered to booster pump.
- Maximum inlet water pressure to booster pump: 100 PSI (6.89 BAR).
- Maximum outlet pressure with booster pump: 250 PSI (17.24 BAR).
- In-line 30 mesh 595 micron filter system (included) should be used at all times.
- Contact us for recommendations if using non-potable water.
- Connection: 1-1/2" (38.10 mm) cam-and-groove quick disconnect female coupling for fire hose (included).

ENGLISH UNITS				
Supplied Water Pressure, psi	40	60	80	100
Water Flow with Booster Pump, gpm	37.2	37.5	38.1	39
Water Flow, no Booster Pump, gpm	17.7	21.9	25.5	28.2
METRIC UNITS				
Supplied Water Pressure, bar	2.8	4.14	5.5	6.89
Water Flow with Booster Pump, lpm	141	142	144.2	147.6
Water Flow, no Booster Pump, lpm	67	82.9	96.5	106.7
1-1/2" FIRE HOSE WATER SUPPLY				

OVERALL DIMENSIONS

- 8.3 feet (100 inches; or 2.52 meters) wide.
- 27.83 feet (334 inches; or 8.48 meters) long.
- 9.17 feet (110 inches; or 2.78 meters) tall.
- 13,000 lbs. (5,897 kilograms).

PERFORMANCE ADDITIVES

- Full line of DustBoss surfactants, tackifying agents, or odor control agents can be used with optional dosing pump.

NOISE

- Between 90 and 105 decibels.

DUSTBOSS MAINTENANCE

- If using potable water, nozzles need to be inspected once a year.
- Fan motor and high pressure pump should be greased every 10,000 hours.
- Turntable bearing should be greased on a regular maintenance schedule, or as needed.

WARRANTY

- DB-100: 3-year/3,000-hour warranty.
- Genset: 2-year/2,000-hour warranty.

Revision Date: 05/2016

TRIED. TRUE. GUARANTEED.

