



DUST CONTROL THAT DOES WHAT YOU NEED.

DUSTBOSS® DB-100

Engineered to fight dust on the largest and toughest of work sites, the DB-100 is the biggest DustBoss ever designed. With its muscular 60 HP motor and user-definable 359° oscillation, the DB-100

has a throw of more than 100 meters, giving the machine a coverage area of an incredible 280,000 square feet.

DUST BOSS®
TRIED. TRUE. GUARANTEED.

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DB-100 SPECS



GENERAL SPECIFICATIONS

- 280,000 square feet (31,000 square meters) coverage.
- Custom user-definable oscillation up to 359° Includes integrated turntable bearing that enables user to manually override oscillator and quickly reposition fan barrel.
- Adjustable angle of throw -7° to 45° of height adjustment.
- Integrated fan and nozzle ring design.
- Premium efficiency motor.
- High energy-use to dust suppression ratio.

ELECTRICAL SPECIFICATIONS

- U.S.: 3 Phase / 60 HP fan / 480 Volt / 60 Hertz . Full load current is 97 amps (fan) and 16 amps (pump). 150 Kw gen set is recommended.
- Other motor options available, including all international electrical motors:
 - 3 Phase / 60 HP fan /380 Volt / 50 Hz (Europe, Middle East, N. Japan, Latin America)
 - 3 Phase / 60 HP fan /400 Volt / 50 Hz (Europe, Japan, New Zealand, Australia)
 - 3 Phase / 60 HP fan /415 Volt / 50 Hz (Europe, New Zealand, Australia)
 - 3 Phase / 60 HP fan /575 Volt / 60 Hz (Canada)
- 3 Phase / 60 HP fan /380 Volt / 60 Hz (Korea)
- 3 Phase / 60 HP fan /440 Volt / 60 Hz (Mexico)
- 10 HP (7.5 Kw) high-pressure booster pump with no lift.
- 1/8 HP (0.10 Kw) oscillator.
- 100 foot (30.48 meters) 4/4 Type W MSHA electrical cord. Other options available.
- No male plug, “bare wired” is standard. Any plug is extra cost.
- Cabinet with control panel.
- Wye-Delta start.

WATER SPECIFICATIONS

- 10PSI (0.69 BAR) constant pressure must be delivered to booster pump.
- Maximum inlet water pressure should not exceed 100 PSI (6.89 BAR) when operating the booster pump.
- Maximum PSI delivered by booster pump is 200 PSI (13.79 BAR).
- In-line 30 mesh 595 micron filter system is included and should be used at all times.
- Contact us for recommendations if using non-potable water.
- 1-1/2” (38.10 mm) cam-and-groove quick disconnect female coupling for fire hose provided on machine.
- 30 brass nozzles (also available in stainless and nylon).
- Droplet size of 50–200 microns.
- Throw 300 feet (100 meters).

ENGLISH UNITS	WITHOUT BOOSTER PUMP				WITH BOOSTER PUMP		
Water Pressure, psi	40	60	80	100	160	180	200
Water Flow, gpm	17.7	21.9	25.5	28.2	37.5	38.1	39
METRIC UNITS							
Water Pressure, bar	2.8	4.14	5.5	6.89	11	12.4	13.8
Water Flow, lpm	67	82.9	96.5	106.7	141.9	144.2	147.6

1-1/2" FIRE HOSE WATER SUPPLY

DIMENSIONS (on standard skid mount)

- 5.69 feet (68 inches; or 1.73 meters) wide.
- 9.95 feet (119 inches; or 2.99 meters) long.
- 7.75 feet (93 inches; or 2.36 meters) tall.
- 3,200 lbs. (1451.50 kilograms).

CHEMICAL ADDITIVES

- Surfactant can be used to improve binding of dust particles or with tackifying agents to seal ground and help reduce airborne dust.

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.
- Oscillator bearing should be greased on a regular maintenance schedule, or as needed.

WARRANTY

- Unit is covered by a 3-year/3,000-hour warranty.



DustControlTechnology®

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