BOSSTEK

Engineered to fight dust on the largest and toughest of work sites, the DB-100 is the biggest DustBoss® ever designed, throwing mist more than 100 meters to cover 337,000 square feet of dusty job sites.

DUSTBOSS® DB-100

STANDARD FEATURES



MISTING SYSTEM

THE DUSTBOSS® DB-100 USES ATOMIZED MIST TO TRAP AIRBORNE PARTICLES AND BRING THEM TO THE GROUND. PRODUCING DROPLETS IN THE IDEAL 50 - 200 MICRON RANGE, DUSTBOSS MIST CANNONS AVOID THE SLIPSTREAM EFFECT TO PROVIDE EFFECTIVE DUST SUPPRESSION.

DUSTBOSS EQUIPMENT IS BUILT TO WITHSTAND THE HARSHEST JOB SITES WITH OUR FIRST UNITS STILL ACTIVE MORE THAN 20 YEARS LATER! WE STAND BEHIND OUR QUALITY EQUIPMENT AND KNOW IT WILL LAST FOR YEARS TO COME. BACKING OUR BELIEF, WE OFFER A 3 YEAR, 3,000 HOUR WARRANTY FOR THE DUSTBOSS DB-100 CANNON.

DB-100

SPECIFICATIONS

GENERAL SPECIFICATIONS

- Throw: 328 feet (100 meters).
- 60HP fan.
- Standard 359° oscillation coverage: 337,000 square feet (31,000 square meters).
- Integrated turntable bearing that enables user to manually override oscillator and reposition fan barrel.
- Adjustable throw angle: 0° - 50° pitch.
- Nozzles: 30 brass (also available in stainless and nylon).
- Droplet size: 50 - 200 microns.
- Premium efficiency direct-drive motor.

WATER REQUIREMENTS

- Recommended water pressure: 40 - 90 PSI (2.75 - 6.21 BAR) with the booster pump.
- Maximum water pressure: 100 PSI (6.89 BAR) with the booster pump.
- Maximum water pressure delivered by booster pump: 250 PSI (17.24 BAR).
- Connection: 1-1/2" (38.10 mm) cam-and-groove quick disconnect for fire hose.
- In-line 30-mesh (595-micron) filter system (included) should be used at all times.
- Contact us for recommendations if using non-potable water.

ELECTRICAL SPECIFICATIONS

- U.S.: 3 phase / 60 HP fan / 480 volt / 60 hertz.
- 125 kW generator is recommended.
- Full load current: 91 amps.
- Start-up amps (in rush) = 360 amps.
- Booster pump: 10 HP (7.5 kW) with no lift.
- Oscillator: 1/8 HP (0.10 kW).
- 150 ft (30.48 m) 4/4 type W bare wired power cord.
- NEMA 3R cabinet with control panel.
- Soft start available.
- Noise levels (fan only, in front of unit): 25 ft (84 dBA) - 150 ft (65 dBA).
- Noise levels (fan & 100 PSI, in front of unit): 25 ft (87 dBA) - 150 ft (67 dBA).

DIMENSIONS

(Standard: carriage mount)

- 5.69 feet (68.28 inches or 1.73 meters) wide.
- 9.95 feet (119.40 inches or 3.03 meters) long.
- 7.75 feet (93.00 inches or 2.36 meters) tall.
- 3,200.00 lbs. (1,451.50 kilograms).

(Shipping: crated)

- 6.90 feet (82.80 inches or 2.10 meters) wide.
- 10.00 feet (120.00 inches or 3.05 meters) long.
- 8.00 feet (96.00 inches or 2.44 meters) tall.
- 3,950.00 lbs. (1,791.69 kilograms).

OPTIONS

- Non-potable water filter solutions.
- Variable frequency drive (VFD) for adjustable fan throw distance.
- Quick release manifold for easy manifold and nozzle removal.
- Additional mounting: skid / tower / trailer.
- Motor options available, including all international electrical motors.

MAINTENANCE

- For potable water, inspect nozzles once a year.
- Grease fan motor every 10,000 hours.
- Grease turntable bearing on a regular maintenance schedule or as needed.

WARRANTY

CANNON: 3 YEAR / 3,000 HOUR

WATER SUPPLY TABLE

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
METRICS 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
				1½" Fire Hose Water Supply

TELEMET
Efficiency Through Simplicity™

Advice, spare parts and service

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