BOSSTEK

The colossal DB-100 is paired with a genset and placed on a roadworthy trailer to form the DustBoss® DB-100 Fusion® and control massive amounts of dust while remaining completely mobile.

DB-100 FUSION®

STANDARD FEATURES



MISTING SYSTEM

THE DUSTBOSS® DB-100 FUSION® 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.

THE FUSION LINE OF DUSTBOSS SYSTEMS ARE ENGINEERED TO ERASE THE NEED FOR AN EXTERNAL POWER SOURCE USING THE TRAILER-MOUNTED GENSET! WITH EASY POSITIONING POSSIBLE THROUGH THE TRAILER MOUNT AND ONLY REQUIRING AN EXTERNAL WATER SOURCE FOR OPERATION, THE DUSTBOSS DB-100 FUSION PROVIDES MAXIMUM DUST CONTROL.



DB-100 FUSION®

SPECIFICATIONS

GENERAL SPECIFICATIONS

- Throw: 328 feet (100 meters).
- 60HP fan.
- Standard 180° oscillation coverage: 168,000 square feet (15,607 square meters).
- 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.
- Gooseneck trailer: 2 5/16" ball hitch.
- Touch screen controls.

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.
- Standard configuration includes booster pump.

ELECTRICAL SPECIFICATIONS

- Generator: Kohler model SJ-100 gen set with tier 4 diesel engine at 1800 RPM.
- U.S.: 3 phase / 60 HP fan / 480 volt / 60 hertz.
- Amp Load Capacity: 151 amps.
- Power: 100 kW (125 kVA). Standby: 90 kW (112 kVA) Prime.
- Fuel Capacity: 150 gallons (~32 hours of runtime).
- NEMA 3R cabinet with control panel.

DIMENSIONS

(Standard: carriage mount)

- 8.30 feet (99.60 inches or 2.53 meters) wide.
- 27.83 feet (333.96 inches or 8.48 meters) long.
- 9.17 feet (110.04 inches or 2.80 meters) tall.
- 13,000.00 lbs. (5,896.70 kilograms).

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.

OPTIONS

- Non-potable water filter solutions.
- Variable frequency drive (VFD) for adjustable fan throw distance.
- Quick release manifold for easy manifold and nozzle removal.
- Pintle hitch trailer option.
- Pump with lift available.

WARRANTY

CANNON: 3 YEAR / 3,000 HOUR

GENSET: 2 YEAR / 2,000 HOUR

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

Telemet · Office in Chile

Los Canteros 8723, La Reina, Santiago 7880414, Chile

Phone +56 22 356 2735

info@telemet.com

telemet.com