

B5 AND B52 SERIES

COMBINATION CLEANING/VACUUMING MACHINES

B5



B52



The B5 and B52 Combination Cleaners are designed to give unsurpassed performance in catch basins, storm sewers, lift stations and treatment plants in municipal and industrial applications.

HIGH-PERFORMANCE, STATE-OF-THE-ART FEATURES INCREASE PRODUCTIVITY.

- **SINGLE ENGINE DRIVE**
Dramatically decreases fuel consumption, maintenance expenses, sound levels, weight on chassis and initial purchase price. Chassis engine powers all systems.
- **REAR MOUNTED HOSE REEL**
The 180° articulating rear reel facilitates placement of unit regardless of manhole location. The rear location assures unobstructed vision for the driver, allows maximum air flow to the chassis engine and provides the quietest workstation in the industry.
- **FULL POWER. 360° ROTATING BOOM**
The top loading boom is self-cleaning, powers up/down and extends to 20 feet. Top mounting produces even load distribution.

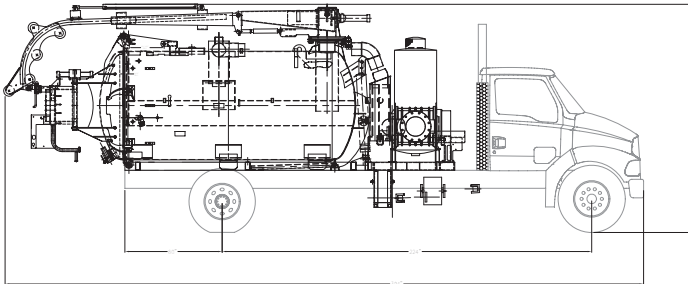
SOME FEATURES SHOWN MAY BE OPTIONAL.

- **VACUUM HOSE**
The heavy-duty, wire-reinforced rubber, 8" hose is designed to prevent wear and clogging. Vacuums up bottles, cans and bricks over 150 feet in depth.
- **CYLINDRICAL DEBRIS TANK**
High-strength steel is corrosion and abrasion-resistant. Has more usable space for larger loads than any other design. Capacities of 10 to 15 cu. yds.
- **LIGHTWEIGHT WATER TANKS**
Fully baffled 3/8" thick, U.V. stabilized, non-corrosive polyethylene saddle tanks. Capacities from 1000 to 1500 gallons.
- **TRIPLEX RECIPROCATING WATER PUMP**
Continuous flow triplex reciprocating water pump is rated at up to 80 GPM@2500 psi and is designed to operate dry.
- **INTERNAL BOOM VALVE**
Increases air velocity, builds instantaneous vacuum to 204" of negative water pressure for picking up materials above and below water.
- **VACUUM CUT-OFF SYSTEM**
Fail safe protection prevents materials from entering positive displacement exhauster and passing into the atmosphere.
- **LOWEST CENTER OF GRAVITY**
Makes full loads more stable during transport.
- **PNEUMATIC FOOT CONTROL**
Permits one-man operation of hose reel payout/retrieve, and allows operator to work any distance from unit.
- **VACUUM TUBES**
Ball and socket connections and quickacting lever locks from a water-tight seal. Tubes can be locked at various angles to allow infinite positioning of tubes when cleaning deep manholes and catch basins.

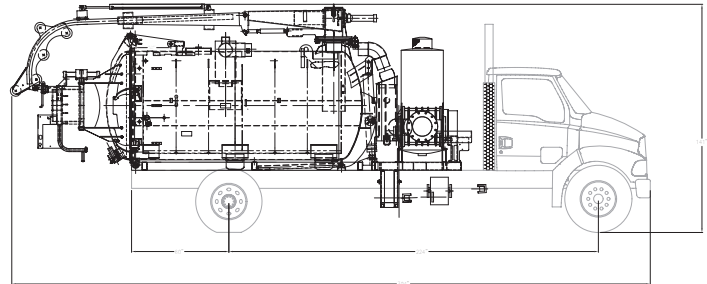
DISTRIBUTED BY:

■ **Combination Machine**
 ■ **Rear Mounted Reel**

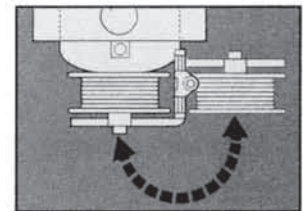
B5



B52



Unit Dimensions	B5		B52	
	U.S.	Metric	U.S.	Metric
A. Overall length	267"	6782 mm	267"	6782 mm
B. Height above truck frame	103"	2616 mm	103"	2616 mm
C. Overall width	96"	2438 mm	98"	2489 mm



**180° ARTICULATION
(TOP VIEW)**

Dimensions may vary with chassis and options selected. Specifications are subject to change without notice. All ratings are calculated at sea level. Patents applied for. Some features may be optional.

GENERAL DESCRIPTION

AIR/VAC SYSTEM

Positive displacement exhauster
 2700 CFM (4588 m³/h) operating capacity,
 204" (5282 mm) water column
 Poly chain drive
 Muffler silencer
 Protected by micro-filter/centrifugal separator
 Vacuum relief valves

DEBRIS TANK

Cylindrical design
 5 cu. yd. (3.82 m³) B10
 Dumping 45°
 Hydraulic power up/down cylinder
 Self-aligning closure seal
 Top-hinged full opening rear door
 Two 5" (127 mm) liquid level sight eyes
 Debris deflector plate
 Double strainer for rear door drain
 Rear door security prop
 4 mechanical rear door locks
 Rear door power up/down hydraulic cylinder
 Stainless steel ball check valve
 6" (152 mm) quick opening rear drain valve
 6" (152 mm) x 15" (4.6 m) lay flat discharge

BOOM

Top mounted
 360° hydraulic rotation
 Portable pendant, controls all functions
 Internal boom valve
 8" (203 mm) extra heavy duty rubber intake hose
 Extends to 20' (6.1 m)
 Powers up/down
 Rear storage location
 Quick open cleanout

WATER SYSTEM

Triplex reciprocating
 0-65 GPM (246 LPM)
 0-2000 PSI (138 bar)
 Poly chain drive
 Capable of running dry
 Pressure relief valve
 Water flow control valve
 Air valve on pump for cold weather operation
 Wash down gun connection

Wash down gun with 35' (10.7 m) of 1/2" (12.7 mm) hose
 800 PSI (55 bar) relief valve
 Suction line strainer

WATER TANK

B5 1000 gal. (3785 L capacity)
 B52 2000 gal. (7570 L capacity)
 Fully baffled
 Anti-siphon air gap protection
 Curb side fill
 2 liquid level indicators
 Removable inspection covers
 Limited lifetime warranty

HOSE REEL

Rear mounted
 Hydraulic 180° articulating
 400' (122 m) of 1" (25.4 mm), 2500 PSI (172 bar) hose
 800' of 1" (248 m) hose capacity
 Reel speed control valve
 Hose levelwind
 Hydraulic drive
 Pneumatic foot control pedals
 Automatic positioning lock
 Engine throttle
 Vacuum/pressure gauge
 Tachometer
 Water pressure gauge

POWER TAKE-OFF

Split shaft transfer case
 Pneumatic shifting

ACCESSORIES, STANDARD

Hinged tank support prop
 8" x 6" (203 mm x 1.8 m) aluminum intake tube
 8" x 8" (203 mm x 2.4 m) aluminum extension tube
 Two operation, parts and service manuals (unit only)
 15° nozzle
 35° nozzle
 Manhole hose guide
 Painted one color, urethane enamel
 Touch-up paint
 2 aluminum tool boxes
 Tube storage carriers on front bumper
 Aluminum fenders
 Mud flaps

VACUUM/DEBRIS TANK OPTIONS

Hydraulic rear door locks
 Water pump-off system
 Internal flush-out system

Exhausters up to 4500 CFM (7646/h)
 Telescoping boom to 25' (7.6 m)
 Waste-water recycling
 8" fluidizer

WATER SYSTEM OPTIONS

Cold weather recirculation
 Rubber leader hose
 35-80 GPM (132-303 LPM) water pumps
 Pressure: 0-3000 psi (207 bar)
 1/2" (12.7 mm) hose reel
 Pulsation dampener

OTHER OPTIONS

Front mounted hose reel
 Power tilt for front mounted hose reel
 Front mounted extending/rotating rose reel
 Counter for levelwind
 800' (244 m) hose reel capacity
 Street flushers
 Debris and water tank interconnect for appropriate chassis
 Additional tube storage racks
 Power deck shroud
 Body arrow light board

For other options, see Aquatech's accessory catalog. Specifications are subject to change without notice. Some photographs may show equipment that is optional. All ratings are calculated at sea level. Patents applied for.



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