



The Heavy Duty Sweeper

Allianz Johnston 4000



Manufacturers and distributors:
Allianz Sweepers & Johnston Sweepers

Allianz Sweeper - The benchmark for sweeper quality

48

HOUR

USA AND CANADA
PARTS SHIPMENT

30

THOUSAND

PARTS IN STOCK
WORLDWIDE

125

STRONG

WORLDWIDE
CUSTOMER SERVICE
NETWORK

Allianz Sweeper is the world's leading manufacturer of outdoor surface cleaning equipment. We are unique among sweeper manufacturers in that our comprehensive range of machines means we are able to offer the right product for your application—whatever you are trying to clean.

The Allianz Johnston 4000 are designed to deliver industry-leading sweeping technology:

- Ease of use
- Outstanding performance
- Reliability, durability
- The lowest possible cost of ownership

With durable, rugged construction, high performance suction and a design that meets all international safety and environmental standards, the 4000 sets the global benchmark for purpose-built sweeper quality.

Higher standards

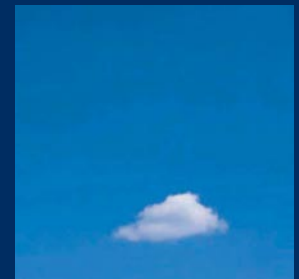
The quality of our 4000 is matched only by the high standard of our premium quality after sales support. You can always be sure that your 4000 sweeper will continue to provide maximum performance and productivity.

Lower costs

Add low depreciation rates and high residual values and you will see how Life Cycle costs of the Allianz Johnston 4000 are kept to a minimum.

Allianz Sweeper's commitment to environmental issues is also a key part of our manufacturing philosophy. Recycling, energy efficient processes and a "Green Supplier" policy reduce waste and contribute to a cleaner workplace that is kinder to the environment.

RIGHT
Allianz
*A cleaner
environment for
everyone*





Allianz Johnston 4000

Advance Street Sweeping

A high performance mechanical street sweeper engineered to endure the demanding requirements of contractors and transportation departments.

Performance

Capable of removing up to three tons* of debris per minute, the 4000 Series features a specially designed equal width pick-up broom and elevator system that ensures smooth and even material flow without a loss in sweep speed. These high performance sweeping components provide heavy duty pick-up across the full 125" sweeping path, even when faced with tough work loads like sand and asphalt grindings. In-cab gutterbroom pressure control, combined with a self adjusting ground pressure pick-up broom, furnish superior digging ability and absorb road surface impact while extending broom life. A tight turning radius provides outstanding maneuverability, while highway speeds in excess of 50 mph minimize travel time between work sites and maximize swept miles per day.

*Optional equipment required

Engineering

The 4000 Series is engineered to simplify maintenance and increase productivity. A swing-out radiator and only 7 daily grease points allow for fast essential systems checks. Two swing-out center body panels provide unrestricted access for elevator adjustment, maintenance, and daily cleaning. A large 5.6 cubic yard capacity high dump hopper features a ribbed design to eliminate rust traps and is mid-mounted for balanced weight distribution and superior loading characteristics.



Safety

A forward-mounted control cab with over 3,800 square inches of tinted safety glass gives the operator outstanding visibility, while integral parabolic mirrors and side window defrosters ensure a clear view of the gutterbrooms in any weather. In addition, an integral rear window inspection screen provides an unobstructed view of the hopper load from inside the cab.

The 4000's advanced design features result in superior sweeping performance and operator comfort, making the sweeper an ideal choice for demanding sweeping operations.

- Self-adjusting down pressure on the pick-up broom for superior digging ability and extended broom life.
- All driving and operating controls are ergonomically grouped to provide a relaxed yet efficient working environment for the operator.
- Integral rear window inspection screen allows for easy view of the hopper load from inside the cab.
- Large cab with buddy seat features air conditioning, tinted glass, fabric lined interior for sound suppression, and a mechanical suspension operator's seat for added comfort.
- Parabolic mirrors and side window defrosters allow easy monitoring of the gutterbrooms on both curb and street sides.
- Highway speeds in excess of 50 mph minimize travel time between work sites and maximize swept miles per day.
- Swing-out center body panels provide unrestricted access for elevator adjustment, maintenance, and daily cleaning.



ABOVE
A 5.6 cubic yard hopper allows for longer sweeping distances before unloading.

LEFT
Easy access engine checks

RIGHT
Mid-mounted for balanced weight distribution and superior loading characteristics, the standard high dump hopper empties into a 114" container.



Lower maintenance. Higher productivity.

Simply maintainable

The 4000 is designed to make routine maintenance easy, so your sweeper spends more time on the street and less time in the garage.

Two swing-out centre body panels provide unrestricted access for elevator adjustment, maintenance and daily cleaning. The 4000 keeps your costs and downtime to an absolute minimum. We guarantee it.

Built for easy access

The 4000's swing-out radiator and oil cooler, together with its raised hopper, provide easy "stand-up" access to the entire engine, transmission, hydraulic systems and lubrication points. Routine maintenance work can be completed quicker and more easily than ever before.

Engineered to protect vital systems

A centralized, weatherproof systems locker fully protects electrical and hydraulic components from the elements while it allows your maintenance people easy accessibility for inspection and troubleshooting.



PICTURE
Highway speeds in excess of 50 mph minimize travel time between work sites and maximize swept miles per day.

Superior visibility, handling and comfort

Exceptional visibility increases operator and pedestrian safety

The 4000 offers the best operating visibility of any four wheel street sweeper on the market.

Front-and-center cab location provides an unobstructed view of the street, curb and gutter brooms at all times.

Maximum visibility means increased sweeping efficiency, better operator effectiveness and faster, safer sweeping performance.



Comfort and convenience to reduce fatigue

Inside the 4000, your operator is afforded every comfort and convenience to reduce fatigue and increase productivity:

- All-wheel suspension provides unmatched operator comfort while improving vehicle stability.
- Spacious cab and ergonomically designed wrap-around instrument panel create an operator comfort zone.
- Fingertip controls activate climate zone features such as heater, defroster and air conditioning.
- Tilt and telescopic steering wheel, together with an air ride seat, provide ergonomic comfort.
- Plush interior is finished with sound absorbing upholstery and door trim so your operator can stay alert and avoid fatigue.

Outline Specifications

Allianz Johnston 4000

Water tank capacity:	250 gal (946 L)
Hopper size:	5.6 cu. yd. (14.3 m ³)
Hopper construction:	Molded polyethylene
Engine:	230 HP Cummins ISB 190 turbo charged
Payload capacity:	12,000 lbs (5443 kg)
Road speed:	+55 mph (88 km/h)

PICTURE
Exceptional visibility increases operator and pedestrian safety



Allianz Johnston 4000

Specification Overview

Engine

- Type: Cummins ISB 245, 6 cylinder turbocharged diesel; Fuel injected
- Compression & Torque: Compression ratio – 16.5:1; Maximum Torque – 660 ft. lbs. @ 1600 rpm.
- Displacement & Horsepower: 359 cu. in.; 245hp @ 2500 rpm.
- Air Filter: Two stage dry type air cleaner with safety element; In-cab restriction indicator.
- Fuel Tank: Capacity – 50 gal.; Vented with steel construction.

Elevator

- Type: 7 Flight squeegee with replaceable corded rubber tips; Continuous molded rubber belts.
- Hydraulic Motor: Direct drive; Variable Forward and Reverse; Displacement – 15.8 cu in./rev.



Pickup Broom

- Broom: 32" x 56.5" Disposable polypropylene.
- Hydraulic Motor: Direct drive; Variable speeds; Displacement – 17.1 cu.in./rev.

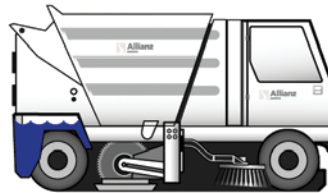
Electrical

- Wiring: Sealed wire harness; Solid color coded wires, numbered and function labelled every 12 inches; sealed pre-wired solenoids; Circuit breaker protected.
- Electrical Control Units: Electrical control unit is in a sealed systems locker with two sealed subcompartments for high and low ampere components; Low ampere system boxes are fully tested prior to installation; A laminated ECU electrical diagram is on the locker door.

- Alternator: 130 amp with a dust shield.
- Batteries: 2 – 900 CCA @ 0° F; 12 Volt system.

Water Spray

- Water Tank: Capacity – 250 gal.; Construction molded polyethylene.
- Water Pumps: Heavy Duty electric diaphragm type; Output – 7.2 gal/min.
- Controls: In cab variable flow valves.
- Spray Nozzles: Two nozzles over each gutterbroom, one nozzle in the elevator and a full width spray bar with four nozzles.
- Auxiliary Hose: 15' Hydrant hose; Hose stored in right rear fender tool box with hydrant coupling and wrench.



Body/Hopper

- Volume & Lift: Hopper Volume – 5.6 cu.yd.; Lift – 12000lbs via two 4" hydraulic cylinders.
- Safety Lockout: Hopper dump controls automatically prevent vehicle movement while hopper is up.



Cab

- Description: Center forward rubber mounted; Single door; Removable limb guards.
- Seats: Multi-adjustable, spring suspended with shock absorber; 3-point seat belt; Standard passenger seat with lap seat belt.

- Windows: 1745 sq. in. Each side windows; Tinted safety glass; Front and side defrost vents.

Chassis General Hydraulics

- Frame: 3"x13" C-Channel with modular body; Front & rear tow hooks.
- Capacity: Total system – 41 gal; Two tanks – 18 gal each
- Hydrostatic Drive Pump: Displacement – 6.4 cu in./rev.
- Hydrostatic Drive Motor: Two Speed; Displacement – High @ 4.15 cu in./rev., Low @ 12.96 cu in./rev.
- Rear Axle: Two Speed; Ratio – 9.04/6.59
- Vehicle Range (hyd mtr/axle speed): Low/Low – 0 to 12 mph; Low/High – 0 to 16 mph; High/Low – 0 to 37 mph; High/High – 0 to 51 mph; Reverse – 0 to 4 mph
- Lift System Drive Pump: Displacement – 1.03 cu in./rev.
- Sweep System Drive Pump: Displacement – 1.6 cu in./rev.

Gutterbroom

- Broom: 47" diameter; 12 "Tuf Grip" segments with 26" steel wire bristles.
- Hydraulic Motor: Direct drive; Variable Speeds; Displacement – 17.1 cu in./rev.
- Suspension: Free floating vertically and horizontally with impact protection; Hydraulic lift through accumulators.

Cab Controls

- In-cab gauges: speedometer/odometer. Tachometer, engine oil pressure, engine water temperature, voltmeter, fuel, gutterbroom height
- In-cab indicators: water spray, low engine oil, high coolant temperature, low hydraulic oil level alarm.

ALLIANZ'S COMMITMENT TO YOU

Our guarantee of service and performance continues long after the sale:

- Most comprehensive warranty in the industry
- Guaranteed 48-hours parts shipment
- State-of-art training facility

125 DEALERS ACROSS 82 COUNTRIES ARE READY TO SERVE YOU.

Our extensive network of authorized dealers are carefully selected, highly trained, and thoroughly committed to provide a level of customer service and support that is unmatched in the sweeper industry.

That's your assurance of maximum road time, low operating cost per mile, and a thoroughly satisfying, long-term relationship with your sweeper company.



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