**GS6 Tempest™**

6 Cubic Metre Regenerative Air Sweeper

- **Large Sweeping Width**
- **Choice of Cab Chassis**
- **Mirror Image Dual Steer & Dual Sweep**
- **946 Liter Dust Suppression System**

**CHASSIS**
- Mounts on various chassis to meet requirements.

**Sweeping Path**
- Pickup head only
  - 2032 mm (80 in)
- One gutter broom
  - 2717 mm (107 in)
- Two gutter brooms
  - 3404 mm (134 in)

**Debris Hopper**
- Volumetric capacity
  - 6 cu. m (7.8 cu. y)
- Usable capacity
  - 4.87 cu. m (6.5 cu. y)
- Dump angle
  - 45°
- Floor angle
  - 3°
- Lifting
  - Twin hydraulic cylinders
- Hopper dump door
  - Open/closed/lock hydraulically
- Inspection doors
  - 1 on each side of hopper
- Screens
  - Sawtooth drop down design
- Safety Prop
  - Dual steel tubes

**Instrumentation**
- Sweeper engine
  - Tachometer; hourmeter; voltmeter; temperature gauge; oil pressure gauge

**Standard Engine**
- Model/type
  - 4045HF285
- Aspiration
  - Turbo-charged diesel
- Manufacturer
  - John Deere
- Displacement
  - 4.5 l (275 cu. in)
- Brake horsepower
  - 86 kW (115 hp) @ 2400 rpm
- Torque
  - 430 nm (317 ft. lb.) @ 1500 rpm
- Air cleaner
  - Dual element dry type w/ centrifugal pre-cleaner & restriction indicator
- Oil filter
  - Full-flow/spin-on
- Safety shutdown
  - Three-point automatic
- Throttle control
  - Electronic

**Electrical System**
- Voltage
  - 12 v
- Sweeper engine alternator
  - 75 amp

**Dust Control System**
- Pump
  - Run Dry Diaphragm
- Capacity
  - 946 l (250 gal)
- Tank construction
  - Polyethylene filter
- Fill diameter
  - 63.5 mm (2.5 in)
- Fill hose
  - 7620 mm (25 ft)
- Controls
  - Electric, in-cab
- Nozzles
  - 2 on each broom;
    - 2 inside transition tube;
    - 1 inside suction nozzle;
    - 7 on hopper spray bar (optional)

**Blower System**
- Type
  - Closed-face radial
- Drive
  - Direct via 5 single power belts
- Construction
  - Hardox steel
- Balance
  - 1.5 g on 2 sides
- Dimensions
  - 832 mm x 127 mm (32.75 in x 5 in)
- Housing lining
  - Bolt-on contact rubber
- Mounting
  - Double sealed bearing spindle
- Vacuum enhancer
  - For heavy/light material

**Pickup Head**
- Type
  - Dual chambered
- Operating direction
  - Forward and reverse
- Suspension
  - Adjustable spring balanced
- Length
  - 2032 mm (80 in)
- Hose diameter
  - 250.8 mm (10 in)
- Hose construction
  - 9.5 mm (3/8 in) reinforced molded rubber
- Head area
  - 12803 cm² (2000 sq. in)
- Front flap
  - Hydraulic open and close

**Side Brooms**
- Type
  - Vertical steel digger
- Location
  - Right, left; forward of pickup head
- Diameter
  - 989 mm (39 in)
- Drive
  - Hydraulic
- Suspension
  - Tongue-sensing spring
- Wear adjustment
  - Automatic
- Pressure
  - Manual
- Speed
  - Variable; non-reversing
- Segments
  - 4 each side; disposable
- Tilt angle adjustment
  - In-cab controls

**Hydraulic System**
- Type
  - Gear type
- Pump capacity
  - 24.6 l/min @ 1800 rpm (6.9 gpm)
- Drive
  - Direct gear
- Maximum pressure
  - 173 bar (2500 psi)
- Reservoir
  - 84 l (22.5 gal)
- Filter
  - 5 micron; spin on
- Protection
  - Pressure relief valve
- Controls
  - Electro-hydraulic

**Auxiliary Hydraulic System**
- Type
  - Gear type; driven by electric motor
- Function
  - Raise/lower hopper;
    - Open/close hopper door;
    - Raise/lower brooms and pickup head

**Paint**
- One coat of sealer/primer and two coats of Dupont imron elite polyurethane in standard white color
- Note: Design and specifications subject to change without notice.

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**Whisper Wheel™ Fan System:**
70% quieter; uses 20% less fuel and 7% more powerful than an open face fan design

**Internally balanced sweeping engine:**
Reduces noise and vibration.

**Abrasion Resistant Steel in Critical Wear Areas:**
For longer life expectancy

**Bolt in Pressure & Transition Tubes:**
Ease of maintenance

**Drop Down Screens:**
Increased screen surface area and easy cleaning.

**LED Lighting:**
Increased visibility on the streets and reduced cost of ownership

**6 Cubic Metre Hopper Capacity:**
Increased hopper capacity for increased production and less dumps

**Reduced Noise Levels:**
Reduces operator stress & increases ability to operate in noise sensitive areas

**Optional Camera System:**
Rear view camera with in-cab video monitor and sound suppression system

**Self-Cleaning, Self Dumping, Multi Pass Circular Dust Separator:**
Eliminates the need for operator to enter the debris hopper to clean separator.

**In-Cab Front Flap Lift:**
Raises sweeping head front flap for improved sweeping of leaves and large litter.

**Extra Large Side Brooms:**
Clears entire curb and gutter without the need to move broom or truck.

**Drop Down Screens:**
Increased screen surface area and easy cleaning.

**In-Cab Front Flap Lift:**
Raises sweeping head front flap for improved sweeping of leaves and large litter.

**Optional Equipment:**
- Magnet bar
- External tipping Controls
- 225 mm auxiliary over head wander hose
- Combined high pressure hand lance
- Hose reel
- Front Spray bar (includes detergent dispenser)

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**Standard 12V DC Hydraulic Pump:**
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