

# Bucher **MaxPowa R65**

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Regenerative Air Sweeper









# MaxPowa R65

## Powerful and efficient regenerative air sweeper

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The Bucher MaxPowa R65 is designed with efficiency at the core of its principals. The MaxPowa R65 balances performance, ease of operation and low cost of ownership very effectively ensuring your sweeping and cleaning requirements are performed to exemplary standards at the lowest possible cost.

Whether your business requirements are focused around municipal, contractor, airport or specialist applications the MaxPowa R65 will excel at all sweeping tasks in the most arduous of conditions.

The pick up hood and large diameter channel brushes allow the MaxPowa R65 to make easy work of clearing large flat surface areas such as streets, airports or industrial areas. Bucher's state of the art manufacturing facilities provide first class quality and results in us delivering machines with industry leading reliability. With our warranty and local service support down time will be a thing of the past if you equip your fleet with the MaxPowa R65.



## High **Productivity**

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### **Powapack**

Exceptional performance and low fuel consumption are provided as standard. The power is transmitted to the fan through a fluid coupling and Bucher's very own designed and manufactured gearbox. This belt-less system minimizes energy losses, maximises machine efficiency and eliminates the routine replacement of wearing drive components, resulting in reduced cost of ownership.

### **Sweepgear**

Large forward facing digger brooms rotate to lift dirt and debris from the curb side, controlled from the cab, the operator can adjust the speed of the brooms to suit the environment being swept. With the optional rotatilt, the operator can adjust the angle of the broom for deeper road side cleaning.

### **Water systems**

A pair of corrosion proof polyethylene water tanks provides capacity for 300 gallons of on board water enabling a long on station sweeping time between refilling.

### Hopper

The MaxPowa R65 has a class leading 8.5 yd<sup>3</sup> hopper, complete with an access door on either side. In addition, an optional 1.4003 Stainless Steel hopper can be specified for long term durability. A 55 degree angled hopper floor provides easy discharging of the load without the need for a raker bar.

### Air flow system & pick-up hood

The regenerative air system on the MaxPowa R65 utilizes a lateral air blast to transfer debris to the suction side of the full width sweeping hood. This together with an air knife feature situated across the rear of the hood lifts stubborn debris into the airstream leaving a clear path even at high sweeping speeds of up to 15 mph.

An in cab controlled vacuum enhancement gate provides the operator with the ability to sweep large litter and bulky items without leaving the driving seat, while the wide diameter 14" nozzle trunkings maximize airflow and allow larger items of litter and detritus to pass easily into the hopper.

The hood design on the MaxPowa R65 enables the machine to sweep in reverse without the need to lift the sweep gear, this allows the operator to sweep over heavily soiled areas several times without the need to turn around or maneuver in the road.



### CANbus Controller

The main JVM controller comprises of a centrally mounted visual display screen and intuitively arranged control buttons for the operator to easily operate the functions of the machine. Machine set up preferences and easy to interpret diagnostics results in a very versatile HMI unit. The system integrates with machines elements over a reliable CANbus to maximize machine uptime.

### Water Systems

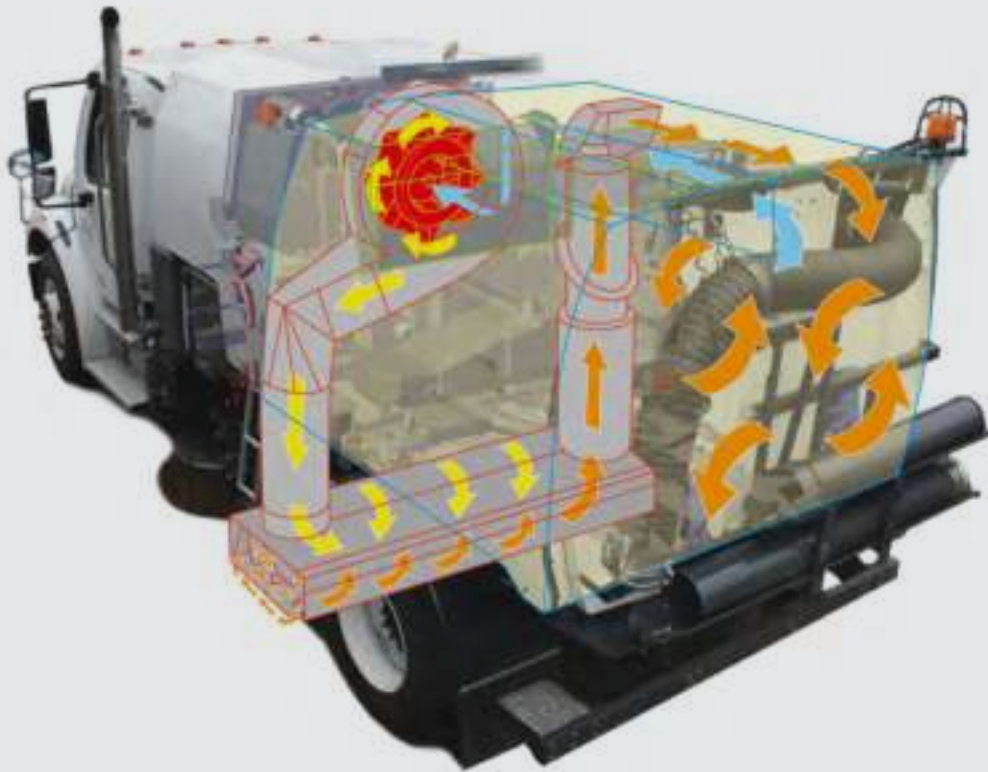
A low pressure water system is included as standard on the MaxPowa R65 with various jets across the machine to suppress dust during sweeping. Additional water options are available such as Supawash, a high pressure water system to provide a very effective cleaning action on the most stubborn and dirty surface detritus.

### Gutter Brooms

Large 43" diameter brushes enable a class leading swept width of 141" to be achieved in a single pass. Optional equipment including Rotatilt and Gutter broom extension override add to the versatility of the machine to give the operator control flexibility in all operational conditions.

### Door controller

Safety is paramount and once an operator starts sweeping they need to pay full attention to machine surroundings. That's why we designed the layout and position of the door controller to maximize ergonomics and allow full concentration to remain on the road and obstacles during sweeping. A pause button allows the operator to stop and resume with previous sweeper settings using a single button press.



## Regenerative **air** system

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The benefits of the regenerative air system go beyond exceptional cleaning performance and productivity. As the air from the fan is recirculated through the machine very little exhaust air is emitted into the atmosphere. This eliminates pollutant and particulate emissions and improves air quality.

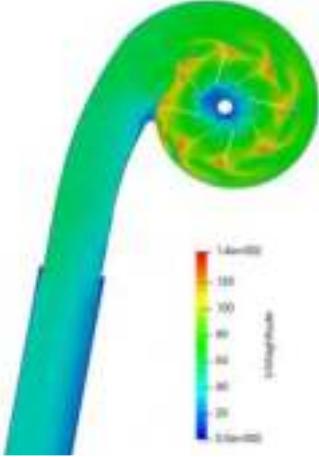
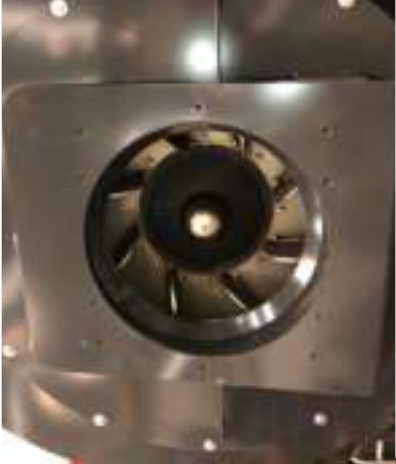
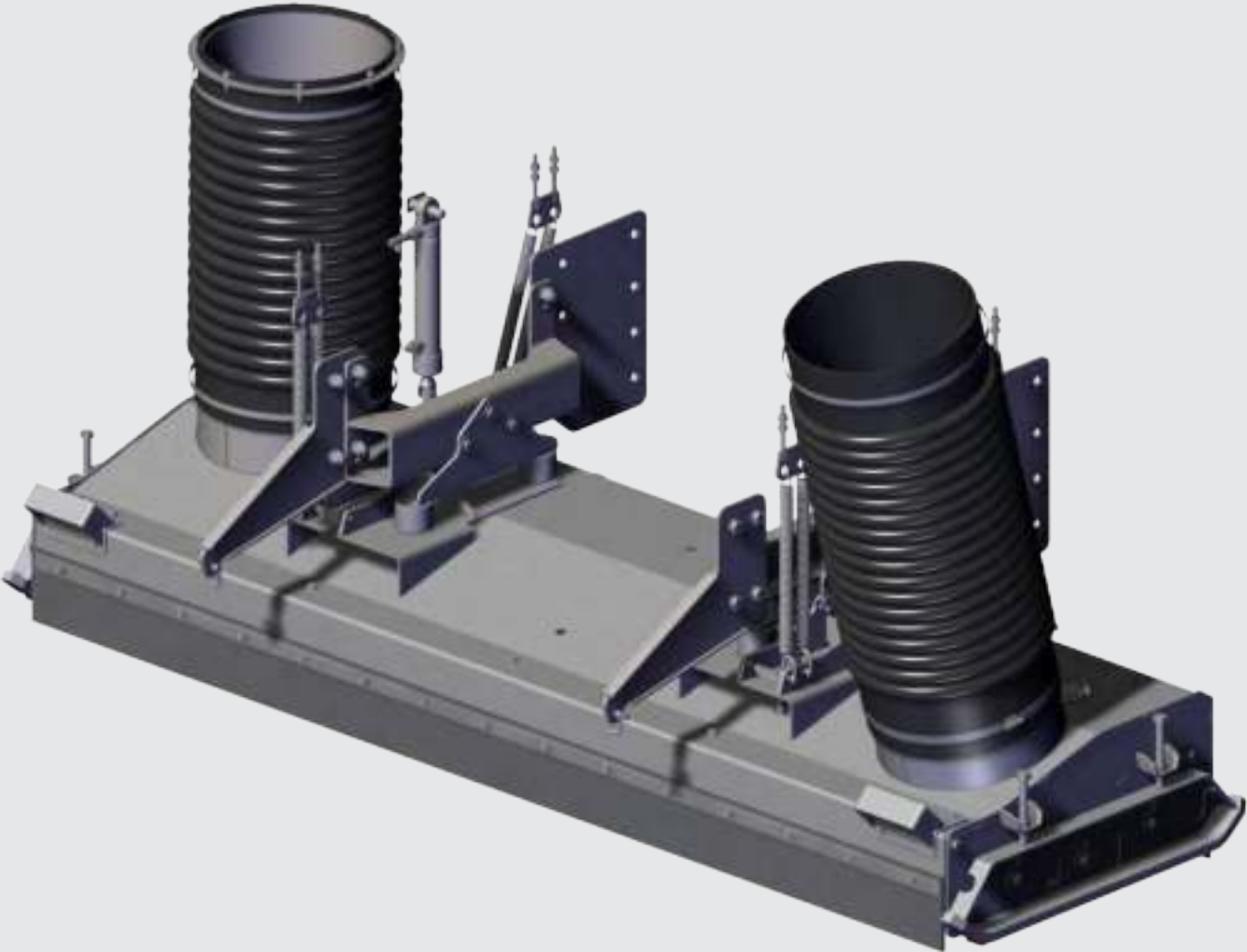
### **High performance, low environmental impact**

Manufactured in a factory accredited to ISO 14001 for an environmental management system and ISO 50001 for an energy management system, Bucher Municipal is committed to providing the most environmentally responsible and sustainable

products to remove dust and debris from the streets. Low fuel consumption is a key attribute in reducing carbon footprint and CO2 emissions. With the mechanical drive system running at maximum efficiency, the fuel consumption is the lowest in its class.

With multi-functional options such as street flushing and catch basin cleaning equipment, the MaxPowa R65 can do several tasks requiring fewer individual vehicles to meet the demands of a tight budget. The vast majority of the MaxPowa R65 is fully recyclable so when the product eventually retires from service the impact on the environment can be kept to a minimum.





**Fan design**

The fan is designed for optimized air flow and durability. Manufactured from highly durable abbraision resistant high grade steel.

**CFD**

State of the art CFD analysis assists in determining an airflow design of maximum efficiency for the entire system.

**Vacuum Enhancement Gate**

The operator can vary the position of the actuator controlled by-pass gate to suit sweeping conditions and maximize performance.

**Serviceability**

When the body is lifted access to the powerpack is uninhibited to allow access for easy routine maintenance.

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At Bucher Municipal, we innovate and engineer better cleaning and clearing solutions, helping our customers grow and maintain efficient and profitable businesses. Leveraging the over 200-year-old heritage of Bucher, we are committed to helping you achieve more using less. Taking pride in being seen as a reliable partner, we work locally with you in realizing the possibilities for a smarter, cleaner and more efficient tomorrow. Today.



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