



New Generation

Towed Jet Sweeper



- Unrivalled clearing performance on runways
- Dependable new design
- Sustainable engine technology

Towed Jet Sweeper

Unrivalled reliability - More efficiency, more performance, more TJS!

- Tried and tested control technology, great variety of options and smart assistance systems
- Unmatched clearing results in fleets on the runway
- New ergonomic design
- Quick and reliable clearing operations at speeds of up to 60 km/h
- Long life of the brush materials due to automatic sweeping pattern adjustment
- New fan system helps to prevent fine snow particles from being drawn in



- Sturdy collision protection ensures more safety while driving in fleets
- Optimum lighting concepts

Environmentally friendly operations Efficient diesel engine technology

The latest EuroMot IV engine technology reduces the emission of particulate matter by about 90% compared to EuroMot IIIA and that of toxic nitrogen oxides by about 90%.



Saving fuel in the eco mode

The eco mode permits additional fuel savings of up to 5%. The low engine speed also significantly reduces the noise level.

Innovative technology in a fresh design



More flexibility thanks to modular design

- Customer-specific brush concepts and customised options for optimum operations
- Configuration of the towing-carrier vehicles according to your requirements

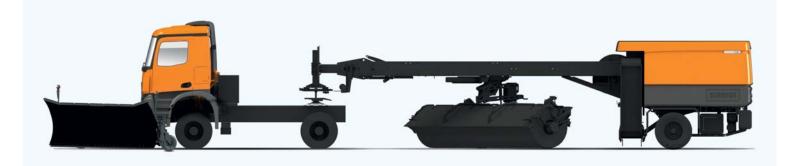
Smart technology, economical operation

Even longer brush life thanks to parallelogram-type brush suspension and automatic sweeping pattern adjustment



Smart Service Concept – Easy maintenance

- Easy access to all vital components
- Shorter service times thanks to the optimum arrangement of components requiring maintenance
- Handy holder for the control panel on the switch cabinet during servicing and maintenance
- Optimised cable harness layout (knitted cable harness) ensures higher quality standards and reduced service requirements
- Air inlet underneath the machine reducing dirt in the air filters



Vehicle connection and steering

- Various towing trucks, e.g. MB, MAN or Volvo; or tractor, depending on the TJS specification.
- Standard front axle steering, additional hydraulic rear axle steering with automatic track control as an option for the towed jet sweeper.

Power unit for sweeping and blower unit

	TJS 420	TJS 560/ TJS 630
Auxiliary engine	EuroMot IV:	EuroMot IV:
	MB: Type OM 936 LA	MB: Type OM 470 LA
Power	260 kW (354 HP)	320 kW (435 HP)
	at 1,800 rpm	at 1,800 rpm
Fuel tank	600 l (approx. 8	–10 hours of operation)

Snow plough

Fast and efficient snow clearing is achieved by our snow ploughs (MS 56.1 to MS 80.1). A secondary cutting edge, low blade or ejection barrier are available as an option.

Sweeping unit

- The pendulum suspended broom makes sure that the brush stays in contact with the ground independent of vehicle movements, ensuring sweeping over uneven surfaces.
- The automatic and infinite sweeping pattern adjustment enables an even and low wear and tear of the brush profile, which reduces the vehicle's whole life costs.
- The automatic locking on the supporting frame leads to maximum transport safety.
- Twin castor wheels provide a smooth and efficient sweeping operation.

Blower unit

- The compact and aerodynamic blower unit with its short blower nozzles offers maximum performance and optimum drying of the cleared surface.
- Constant air speed over the entire working width leads to steady clearing of the surface.
- The blower performance is adjustable in two steps.

Control system

- Control unit with colour graphic display provides synchronised control of the plough, brush and blower for quick and reliable operation.
- Intuitive and customised control menu is easy to use and allows the driver to fully focus on the clearing operation.

Weights (kg; example for semitrailer)

	TJS 420	TJS 560	TJS 630
Total weight approx.:	11,700	12,100	13,000
Axle load in			
transport position approx.:	8,500	8,500	8,800
Load on king pin approx.	3,500	3,700	4,000

Dimensions (mm)	TJS 420	TJS 560	TJS 630	
Length (semitrailer) approx.:	10,830	12,230	12,930	
Length from king pin				
to axle middle approx.:	8,160	9,560	10,260	
Transport width, sweeping unit				
in parking position approx.:	2,550	2,550	2,550	
Height (without warning				
beacon) approx.:	3,100	3,100	3,100	
Sweeping width at 32° appro	x.: 3,560	4,750	5,340	

Subject to technical changes without notice!

