

**New Generation**



# TJS

## 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



### Safety

- 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.



### 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

# TJS

## Towed Jet Sweeper



### 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: MB: Type OM 936 LA	EuroMot IV: MB: Type OM 470 LA
Power	260 kW (354 HP) at 1,800 rpm	320 kW (435 HP) 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° approx.:	3,560	4,750	5,340

Subject to technical changes without notice!

Scan and experience the  
ASH Group on YouTube

