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AS 660

Sweeper



The AS 660 is an extremely powerful and efficient truck-mounted sweeper that is specially designed and perfectly matched to meet the needs of airports. With its rear suction unit and high suction power extending across the entire width of the vehicle, the AS 660 removes FOD (Foreign Objects Debris), leaves and dirt, plus liquids such as glycol or water, easily from the runway. Its operation is fully integrated into the super-efficient and highly acclaimed ES control panel, enabling easy and straightforward control while driving.

Highlights

- Combination of linear and parallel lift enables flexible suspension and ensures tilt compensation when cornering and close proximity to the ground contour.
- Two-part suction shaft with adaptive ground adjustment.
- Castor wheels improve running smoothness and enable ideal contour tracking.
- Lateral shift enables lateral adjustment when driving straight ahead and allows the rear suction nozzle to be positioned closer to the curb.
- Pressurized water recirculation system extends the operating time by up to 30%.

Your benefits

- Outstanding sweeping performance even when cornering, thanks to excellent coverage with disc brush, roller brush and suction nozzle, two-part suction nozzle and a flexible suspension.
- Greatly reduced brush wear, thanks to adjustable brush pressure and speed.
- Electrically controlled water jets with maximum flexibility through operation via the ES control panel.
- Dust-free collection of debris thanks to water jets in the suction shaft, on the disc brush and feed roller.
- Outstanding not only at airports, but ideal when clearing up on construction sites

Performance features

Cleaning concept

The AS 660 boasts outstanding suction power, a 9.2 yd³ (7 m³) hopper and a large water volume for long sweeping distances and maximum efficiency. With a self-supporting frame, the sweeper can be mounted on any conventional two-axle truck chassis in the 15 – 18 ton class, provided that the requirements for approval in terms of load capacity are met – a unique concept that offers maximum flexibility and adaptability.



Suction system

The rear suction unit enables full surface cleaning across the entire vehicle width. The high suction power and flow-optimized suction shaft ensure outstanding collection of debris – even stubborn dirt and liquids. The flexible suspension, combined with a two-part suction vehicle, ensures that the suction nozzles ideally adjust to the swept surface, even when the truck is on a steep incline or uneven roads. The transverse shift to the left or right enables lateral adjustment when driving straight ahead. The rear suction unit can therefore be positioned closer to the curb, while the corresponding pneumatic suspension also serves as lateral collision protection. The rear suction unit is not dependent on the type of truck and its operation is fully integrated into the ES control panel, enabling simple and easy control whilst driving.



Rear suction functions

- Lateral adjustment -80 /0/ +80
 - Cover for bulky debris
 - Locking of the angle of the shaft
 - Floating axle – wheels on pivoted carrier rockers for optimal contour tracking in the driving direction
 - Quick height adjustment on the floating axle
 - Optional high-pressure washing heads, before or after the rear suction shaft
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Operation

State-of-the-art control technology is an important step towards safe and efficient sweeping. Logical and intuitive menu navigation and automatically controlled processes help drivers remain focused on the road.



Gallery



Related product

AS 990 / ASC 990

Sweeper



Cleango 500

Sweeper



eSwingo 200+

Sweeper



Keywords

#Airports #Contractors #Industry, Construction & Facility Management #Fire brigade, Military & Civil Defence #Sweeping #Airport Airside #Industrial & Port Areas #Highways & Main Roads

Technical data

Hopper

Tank volume	9.2 yd ³ (7 m ³)
Tilt angle	60°

Sweeping unit

Disc brush diameter	21.7 in. / 25.6 in. / 29.5 in. (550 mm / 650 mm / 750 mm)
Sweeping width	47.2 in. (1,200 mm)
Sweeping width with suction nozzle and roller brush	92.5 in. (2,350 mm)
Sweeping width rear suction unit	98.4 in. (2,500 mm)
Sweeping width dual version	137.8 in. (3,500 mm)
Roller brush diameter	15.75 in. (400 mm)
Roller brush length	51.2 in. (1,300 mm)

Suction unit

Model	Rear suction unit
Suction hose diameter	9.8 in. (250 mm)
Suction nozzle diameter	9.8 in. (250 mm)

Suction fan

Type of drive	Hydraulic motor
Max. air flow rate (free flow)	10,594 cfm (18,000 m ³ /h)
Speed	2,100 rpm

Water system

Total water volume	423 gal (1,600 l)
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Drive system

Drive	Auxiliary engine
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Drive system auxiliary engine

Engine type	Deutz TCD 7.8 L6
Exhaust emission	EuroMot V
After treatment system	DOC + DPF
Displacement	2.9 L (2,900 cm ³)
Torque	192 lbf-ft. (260 Nm/min)
Speed range	1,600 rpm

Drive system auxiliary engine 2

Engine type	Deutz TD 2.9 L04
Exhaust emission	EuroMot IIIA
Displacement	2.9 L (2,900 cm ³)
Speed range	1,600 rpm

Hydraulic system

Hydraulic tank volume	34 gal (130 l)
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Speed

Transport speed	56 mph (90 km/h)
Sweeping speed	12 mph (20 km/h)

Weights

Empty weight of the basic unit approx.	9,370 lbs. (4,250 kg)
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