

Nordic Aerowash 3000

Nordic Aerowash 8000

Nordic Aerowash 12 000

Nordic Lavatory Service Truck



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Nordic
GROUND SUPPORT EQUIPMENT



Nordic Aerowash 3000



The unique Nordic Aerowash 3000 washes aircraft areas that are difficult to reach in a cost-effective and efficient way. The Nordic Aerowash 3000 is a self-powered aircraft belly washer driven by compressed air. The robot requires no electricity to operate and is free of all electronic devices, which makes it extremely user-friendly and low in maintenance costs.

The Nordic Aerowash 3000 is equipped with an adjustable arm, which makes washing the belly or the area under the wings very easy. The washing height can be adjusted between 0.6 and 3 meters.

- Reduces the need for personnel
- Reduces maintenance ground time
- Emergency sensors guarantee safe washing
- More efficient and faster belly wash than with conventional methods
- Suitable for both narrow-bodied and wide-bodied aircraft



Next Generation
Aircraft Washer:
100 percent
electrical



Nordic Aerowash 8000



The Nordic Aerowash 8000 washes any narrow-bodied and smaller wide-bodied aircraft in a very cost-effective and safe way. The battery-powered machine meets all the current environmental standards for external washing and it complies with upcoming regulations prohibiting combustion engines in hangars.

The maneuverability of the machine is outstanding. The large brushes provide an excellent washing result and they are supported with a very flexible arm, which reaches to the most inaccessible parts of the aircraft body. The machine is powered by strong, long-lasting batteries, which makes it completely environmentally friendly.

The Nordic Aerowash 8000 comes with a customized washing concept, implementation and training.

- Washing speed: 30 square meters per minute
- Reduces the need for personnel
- Reduces maintenance ground time
- Green design – battery-powered!
- Extra safety features
- Protects the aircraft from damage caused by manual wash
- Easy-to-handle control module and user-friendly computer-controlled touch screen



Nordic Aerowash 12 000



The Nordic Aerowash 12 000 washes any wide-bodied aircraft in a cost-effective and completely safe way. This robot is capable of washing the top of a wide-bodied aircraft with the operator controlling it from a cabin. The Nordic Aerowash 12 000 reduces the need for manual labor in the washing process significantly.

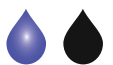
The mobile Nordic Aerowash 12 000 operates around the aircraft with precision. It is equipped with sensors for safe washing. The lift maintains stability even when extended to its maximum capacity of 12 meters. Therefore, Nordic Aerowash 12 000 can also be used as a working platform when not performing aircraft washing.

The Nordic Aerowash 12 000 comes with a customized washing concept, implementation and training.

- Reduces the need for personnel
- Reduces maintenance ground time
- Safe washing with sensor protection
- Protects the aircraft from damage caused by manual wash
- Can also be used as working platform



Nordic Lavatory Service Truck



Nordic Lavatory Service Truck is a very cost-effective solution for performing toilet services for aircraft and trains. The compact truck has outstanding maneuverability, and it moves easily between railway tracks and around the aircraft.

Nordic Lavatory Service Truck is an environmentally-friendly, battery-powered vehicle. The solution developed in Scandinavia with top-quality components guarantees safe operation and an effective service performance. A highly effective filter ensures odor-free emptying.

Nordic Lavatory Service Truck may also be modified according to customer needs.

Technical Information

Length: 4500 mm
Width: 1900 mm
Height: 2260 mm
Septic tank: 1700 litre
Water tank: 600 litre
Chemical tank: 300 litre

Carbon filter: 4 pieces,
quick connection releases
De-icing equipment: 1500 watt
steam machine
Heater cabinet: 2000 watt
Inverter: 3000 watt / 230 volt

Sound level at emptying: 76 dB
Suction, water and chemical
hose length: 2500 mm (+2000 mm
truck height)
Maximum vacuum in septic tank:
18 kPa

- Excellent maneuverability
- Green design – battery-powered
- More cost-effective than other mobile solutions
- Easy to operate
- Odor-free
- Fast suction pump

AIRCRAFT WASHING



TECHNICAL INFORMATION

Aerowash 8000 - recommended by Finnair:

“Finnair quality definitions are high and we experience that Aerowash 8000 fulfils the expectations of high external washing standards. Aerowash 8000 is by technology good and of high quality. The equipment meets those definitions that any airline places on the reliability and efficiency of maintenance performance. Aerowash 8000 reduces ground maintenance time needed for external washing by adding work efficiency and quality. The efficiency provides more time to perform other maintenance duties”, said Kimmo Kuronen, Senior Technical Manager, Finnair Technical.



Nordic GSE - recommended by Finnair:

“It is great to find a manufacturer who is focused on the aircraft external cleaning segment and who has such a comprehensive know-how on external washing. We are very pleased with their technology and general work practices and the focus they are giving to the customer, so that the customer expectations are fulfilled”, said Kimmo Kuronen Senior Technical Manager, Finnair Technical.

NORDIC AEROWASHERS

HEIGHT / NON EXTENDED

HEIGHT / EXTENDED MAX

LENGHT

WIDTH

BRUSH WIDTH

WEIGHT EMPTY

WEIGHT FULL

WORKING PRESSURE

POWER SOURCE

MAIN ENGINE

BRUSHES

OPERATING SYSTEM

MANUAL

COMPUTERIZED

PERFORMANCE

WASHING FLUID TANK

CONCENTRATE DETERGENT TANK

RINSE SPRAY TANK

MAX SINGULAR OPERTING TIME

TIME TO RECHARGE

EXTERNAL POWER SOURCE

WASHING SPEED

TRANSPORT SPEED

SAFETY FEATURES

SAFETY SENSORS

DRIVER PROHIBITER

AUTOMATIC SHUT DOWN

DOWNFALL PROTECTION

FIRE EXTINGUISHER

OTHER SAFETY FEATURES

TRAINING AND SUPPORT

INDIVIDUAL OPERATIONAL TRAINING

INDIVIDUAL TECHNICAL TRAINING

MAINTENANCE CYCLE

BRUSH DURABILITY

ALL PARTS SUPPLY

TECHNICAL SUPPORT

Aerowash 3 000

Aerowash 8 000

Aerowash 12 000

0,8 m	1,5 m	4,5 m
3,0 m	8,0 m	12,0 m
3,7 m	4,0 m	5,5 m
1,05 m	2,7 m	3,8 m
0,8 m	1,6 m	1,8 m
250 kg	3 800 kg	10 000 kg
350 kg	4 400 kg	15 000 kg
6 bar	150 bar	180 bar

Air pressure engine	Electric 48V	Diesel 82Hp
pneumatic motor	electric/hydraulic motor	hydraulic motor

manual pneumatic controls	-	-
-	electronic remote control box	operators driver cockpit

100 liters	500 liters	500 liters
-	90 liters	100 liters
-	-	3400 liters
no limit	4,5 h	no limit
-	6,0 h	
	extra battery pack available	
20 m per minute	20 m per minute	20 m per minute
48 m per minute	48 m per minute	48 m per minute

manual pneumatic sensors	manual/electric safety system	infra-red safety system
-	movement watchdog	movement watchdog
-	automatic brush stopper	automatic brush stopper
-	downfall protection	downfall protection
-	- manual	- manual

emergency stop	pneumatic touch bars	emergency stop engine failure back-up operational watchdog
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8 h	40 h	40 h
8 h	24 h	24 h
12 months	3 months	3 months
500 h	500 h	500 h
yes through internet available	yes through internet available	yes through internet available



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