



HIGHSPEED AIRFIELD SWEEPING MACHINE "TORNECH"



ABOUT US

The **NAFFCO Highspeed Airport Runway Sweeper “TORNECH”** is powered by **FAUN and customized in NAFFCO** to clean taxiways, runways or aprons. TORNECH is a highly specialized airfield runway sweeping machine based on air circulation system, which guarantees the lowest emission values in the expelled air.

Models	Hopper (m³)	Water (Liter)	Sweeping Speed
TORNECH 7	7	up to 3,200	up to 40 km/h
TORNECH 9	9.5	up to 3,700	up to 40 km/h

DRIVE CONCEPTS:

HYDROSTATIC DRIVE

TORNECH is equipped with a special hydrostatic drive to ensure the drive motor runs at the most efficient speed. DSS (Drive Selection Switch) function of TORNECH ensure switching from the working mode to the driving mode and vice versa within 2 seconds.

AUXILIARY ENGINE

A 180 kW, 6-cylinder engine powers the large suction fan and body hydraulics, using low-loss hydraulic transmission. The superstructure is driven independently from the chassis engine.

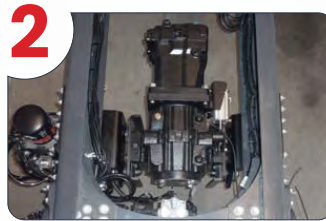
- EU97/68/EC Stufe 4 / Tier 4f
- Euromot 3a (not for Europe)

FEATURES



Suction Fan

TORNECH powerful suction fan can sweep up to 40km/h.



Hydrostatic Drive

The system is powered by a rear engine PTO.



Auxiliary Engine

As an option to drive the high-performance suction fan and other consumers.



Control Panel

Tactile switches and controls guide the driver to operate the panel without looking and concentrate entirely on the sweeping and driving.



Debris Container

The laterally raised bottom sheet made of V2A, in combination with the large tipping angle, ensures efficient emptying and easy cleaning. The air circulation system enables a high degree of debris separation efficiency to be achieved in the container.



Water Tank

The light weight, GRP tank is non-corrosive and prevents the build-up of limescale. It also improves stability during tipping and serves as sound-proofing.



Sweeping Unit

The moveable sweeping unit enables high speeds to be achieved on bends. The trailing brush in combination ensures the best possible cleaning results.



Inspection Door

Easy access to Suction hoses to ensure longer life and reduce operational cost.



Control Centre

Compressed air, hydraulic and electrical systems controls are readily accessible in a central position. The unit is dust and water proof to reduce regular maintenance.



AIR CIRCULATION SYSTEM

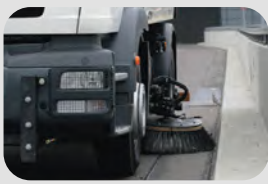
The **Air Circulation System** is recirculating up to 70% of the suction fan exhaust air to reduce the dust emission and to increase the suction power. Through three flexible hoses, the recycled air will be blown out behind the roller broom of the sweep gear to increase the sufficiency of the sweeping process. The non-recycled part of the fan exhaust will be decelerated and released to the environment under the sweeper body.

Together with the dust separation system inside of the hopper, the air recirculation system is helping to free the fan exhaust of the dust, so that no additional filters are needed.

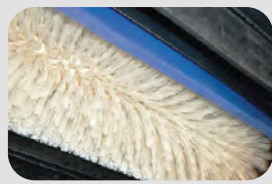


-  Contaminated air drawn in
-  Circulating blast air
-  Clean exhaust air

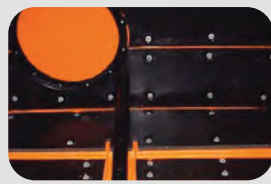
OPTIONAL FEATURES



Disc brooms on right & left-hand sides



Glycol suction system integrated into sweeping unit



Noise insulation



Blower nozzles can be directed manually or from cab



Hot-water cleaning systems



Manual suction system at the rear



Magnetic bar



Container heating



Member of:



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