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3997

First class power





Foundry: recovery of sand and waste



Recovery of high quantity of heavy materials



Recovery of waste



Cement: trench cleaning

The most powerful, the biggest!

- Available also ATEX certified

Designed for the heavy industry

Model 3997 is the most powerful mobile industrial vacuum in Nilfisk range, it has been designed for heavy-duty use thanks also to its reliable three-phase suction unit.

The great filter efficiency, granted by the wide filter area and the effective devices built to maintain the filter cleaned, such as the electric filter-shaker in the 3997 and the electric-pneumatic filter cartridge in the 3997WC, makes these industrial vacuums efficient and autonomous.

In particular, the filter can be monitored in real time thanks to a specific tool, the vacuum-gauge, capable to show the remaining filter capacity; moreover a differential vuotometer switches off the machine when the filter is totally dirty.

The container extraction through a particular release device system, makes the disposal of the collected material a very fast and easy operation while the large front wheels and the rear pivoting ones with brakes, make the moving of the vacuum a light operation.

The control panel contains the on-off device, the hour-counter and the vuotometer.

The vacuum is also equipped with lifting brackets, forklift brackets and accessories basket.

HEPA filter, category "C" filter, Class "M" filter, Class "H" filter, PTFE filter, epitropic filter, painted or stainless steel structure versions are available.

Plus



Absolute exhaust air filter



Grill and valve for separating solids from liquids inside the container



Removable cyclone that protects the primary filter from becoming in direct contact with incoming liquids or sharp objects



Electric filtershaker



Cartridge filter



Standard star filter

Technical specifications

| Description | Unit | 3997 | 3997C | 3997W | 3997WC |
|---------------------------------|-----------------|------------|------------|------------|------------|
| Voltage | V | 400 | 400 | 400 | 400 |
| Frequency | Hz | 50 | 50 | 50 | 50 |
| Protection class | IP | 55 | 55 | 55 | 55 |
| Insulation class | Class | F | F | F | F |
| Rated power | kW | 20 | 20 | 20 | 20 |
| Airflow without hose | L/min | 18.600 | 18.600 | 36.000 | 36.000 |
| Vacuum max without relief valve | kPa | 60 | 60 | 43 | 43 |
| Vacuum max with relief valve | kPa | 44 | 44 | 25 | 25 |
| Sound pressure level | dB(A) | 79 | 79 | 78 | 78 |
| Container capacity | L | 175 | 175 | 175 | 175 |
| Main filter area | cm ² | 66.000 | 110.000 | 98.000 | 110.000 |
| Inlet | mm | 100 | 100 | 120 | 120 |
| Length x Width x Height | cm | 200x90x215 | 200x90x215 | 200x90x215 | 200x90x215 |
| Weight | kg | 650 | 697 | 650 | 697 |