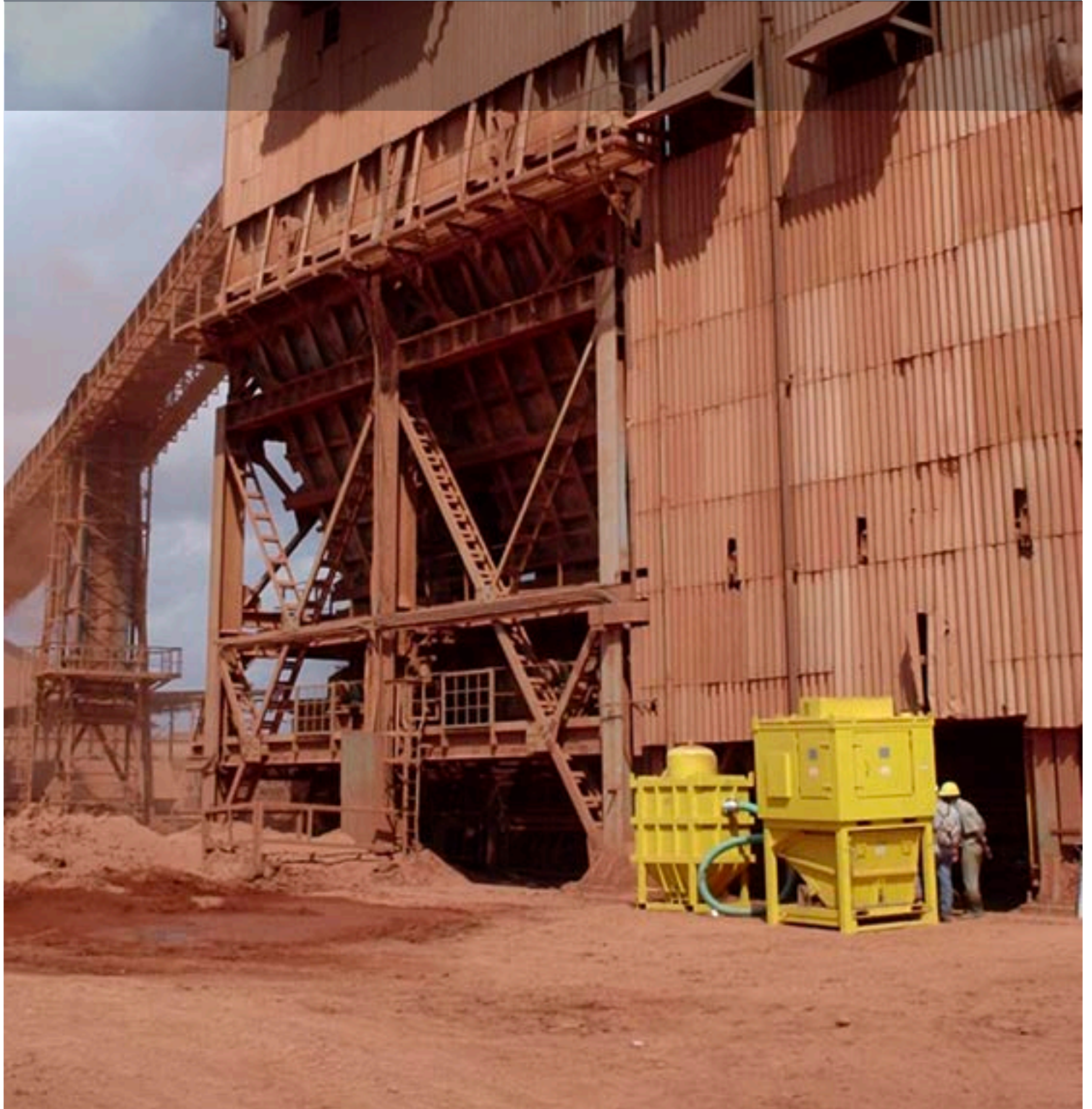


High Power Vacuums

High Power Vacuums for heavy duty industry





Recovery of heavy material



System for the recovery of raw materials



Centralized system employed in the heavy duty industry

The solution for the heavy industry

The solution wherever “extreme” vacuum cleaning is needed

High power industrial vacuums are irreplaceable tools in the heavy industry to collect dusty or granular materials escaped during the working process.

Waste collection prevents product contamination and working machines' stops.

Material recovery grants immediate saving.

High power industrial vacuums are especially designed to collect materials:

- In large quantities
- Heavy
- In big sizes

Moreover, extremely reduced maintenance, easy operation and extraordinary performance allow to rapidly pay off the investment, thus making high power vacuums an exceptionally productive tool.

These powerful vacuums are made of thick metal plate to resist stress and abrasions, with few moving parts to avoid motion damage.

The essence of Power, Strength and Simplicity.

Models Compact AC37AV and AC45AV are also available in ATEX II3D version, in compliance with Directive 94/9/EC, for application in Zone 22, also for conductive dust like carbon or coal.

THE RANGE

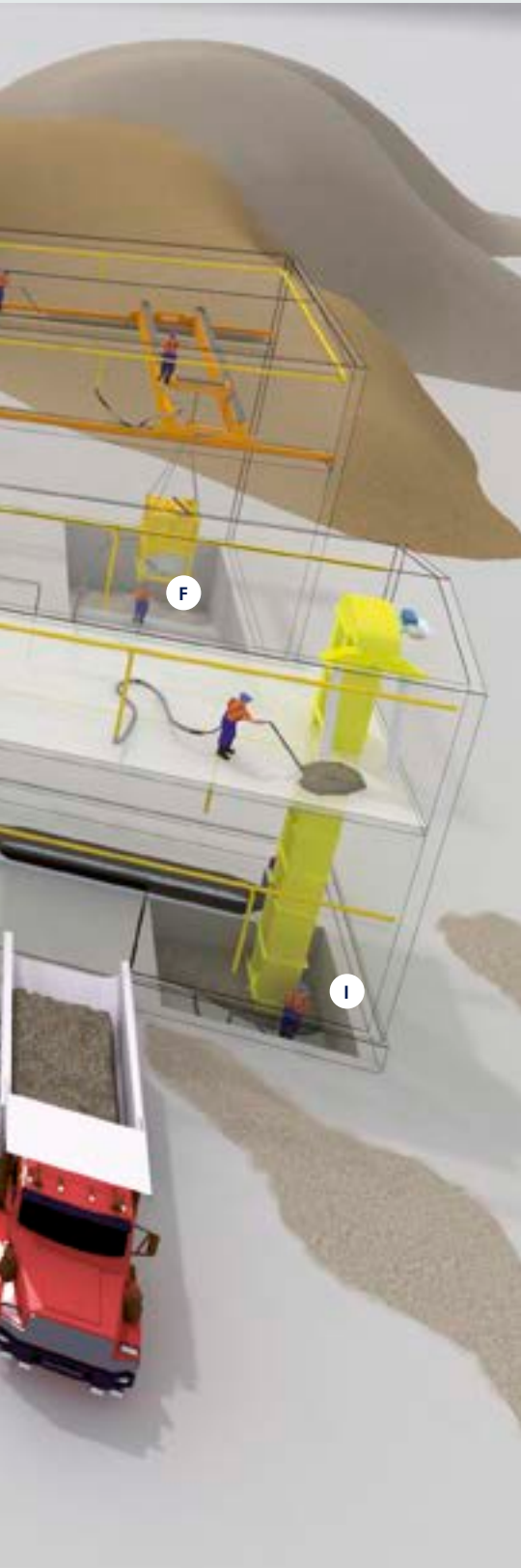
Description	Unit	Compact AC30	Compact AC37	Compact AC37AV	Compact AC45AV
Power	kW	30	37	37	45
Max airflow	m³/h	1.800	2.000	1.700/1.600	2.100
SETTING Air Volume at max vacuum		1.450 m³/h at 4.600 mm H ₂ O	1.550 m³/h at 5.100 mm H ₂ O	1.100 m³/h at 7.000 mm H ₂ O	1.700 m³/h at 6.200 mm H ₂ O





Versatile, flexible and powerful

- Discover some of the possible applications of high power vacuums



- A. Compact with removable container:** this model includes also the automatic filter cleaning system. It is commonly used to collect large quantities of dusty and/or granular material escaped from mills or silos. After collecting the material, the container can be removed by a forklift and discharged in the collection area by simply pulling a lever.
- B. Compact with hopper:** the collected material can be discharged into a BIG BAG or other container.
- C.** High power vacuums can be supplied with a variety of containers and discharge systems to collect and discharge materials in specific areas.
- D.** Equipped with a high vacuum volumetric lobe blower, it is suitable to recover material from underground corridors, pits, narrow passages and areas difficult to reach. A single person can keep the area perfectly cleaned all year through.
- E.** Easy recovery of large quantities of dust deposited on the building framework. Flexible pipes allow to clean even the remotest areas, such as the overhead crane frame or underground and aerial spots.
- F.** Lifting and transfer of a Compact vacuum system by means of an overhead crane to reach and pick-up materials from far and inaccessible areas.
- G.** Material recovery from the hopper mounted on a conveying system which introduces again the collected material into the working process. The hopper can be put under vacuum by any machine of the Compact range, whether it be close to the area or in a separate place.
- H.** The hopper with cyclone and bottom discharge is also transported by the forklift.
- I.** In case of sudden damage to installations with consequent material leakage, the high power vacuum help carry out extraordinary maintenance and recover escaped materials, with no need to stop the working process.



Recovery of cement



Recovery of foundry sand from pits



High power vacuums are ideal for foundries

Two product lines, dozens of ready-to-use versions

Besides the economic saving, high power vacuums offer a number of advantages greatly appreciated by the heavy industry, such as the easy moving of the machine by means of a forklift or overhead crane.

Nilfisk manufactures two product lines of high power machines: the Compact Container and the Compact Hopper range.

Nilfisk High Power Vacuum COMPACT

As by its name, this range gathers all the features necessary to the heavy industry:

- A powerful and silent volumetric lobe blower (Roots type) ranging from 30kW up to 45kW
- A filter system, including independent automatic filter cleaning through a counter flow air jet. This system is dynamic, increasing its efficiency when the quantity of vacuumed material increases. Therefore, when large amounts of fine dust are collected, the filter performance remains always efficient.

This high performing and easy to install power unit is placed on top of the two different containments to adapt the power to the performance of the solution.

Nilfisk High Power Vacuum COMPACT WITH CONTAINER

The power unit placed on top of the container frame with pull out container.

This removable container for collected materials, integrated in the vacuum solution of the COMPACT CFA can be pulled out easily by forklift. This container of 1.000 liters is designed for easy handling also completely filled with heavy substances and is able to contain all materials from abrasive gravel or cement to very fine and often sticky or difficult to discharge, powdery or light Gypsum.

The discharge by means of a wide opening trap door on the bottom of the container allows to discharge all materials.

Nilfisk High Power Vacuum COMPACT ON HOPPER

Same power unit as the version with Container but placed on a pyramidal shaped 1.300 liters Hopper.

This hopper version can be used a stationary unit also connected to a fixed pipeline and can be equipped with different discharge systems, so as single or continuous discharge. Other accessories like a rising frame or Big Bag hanger are useful optional to adapt on the customers need.

In case of need, the Power unit can be easily taken of the Hopper and put on the Container frame to change from the stationary to the transportable unit with only one lift.

Both indicated versions are equipped with automatic stop by Level indicator and available to be used in ATEX Z22 environment also for the use of carbon dust.

