

Nederman

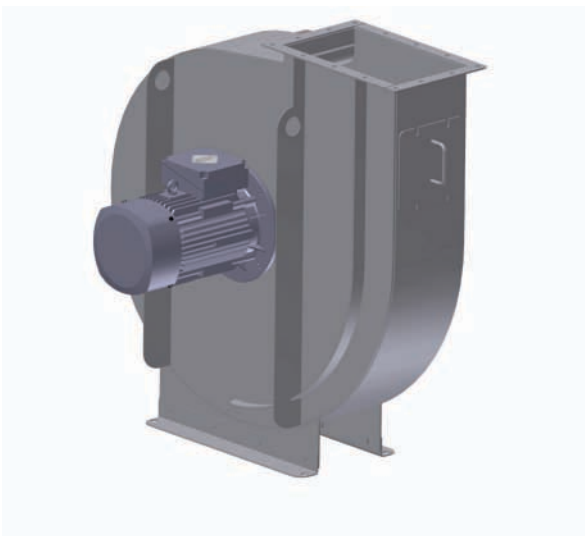
COMBIFAB F Fan
The flexible fan for dust extraction
systems in all industries



Combifab F Fan

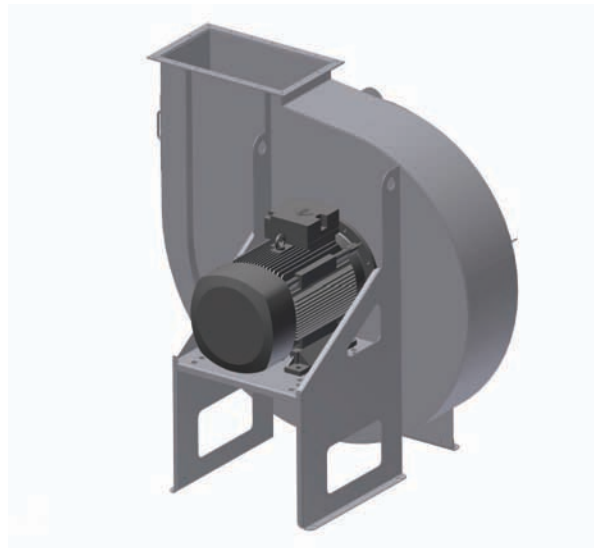
Our Combifab F range of fans consists of four different fans solving all kinds of dust extraction applications in different industries all over the world.

D05 - Direct driven



Airflow capacity 1,000 - 5,000 m³/h
(1.700-2.950 cfm)

D04 - Direct driven



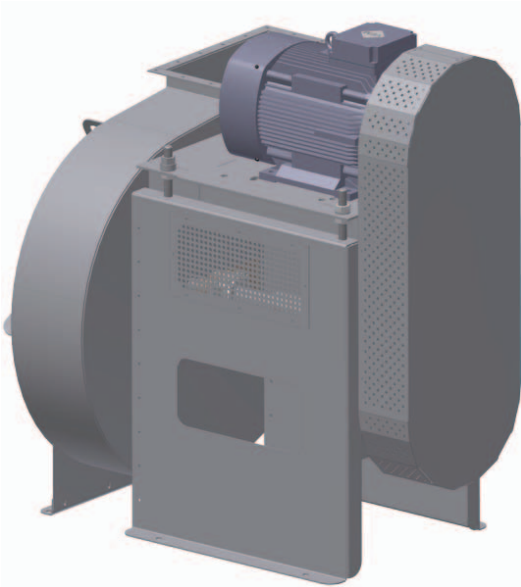
Airflow capacity 2,000 - 70,000 m³/h
(3.400-41.175 cfm)

Key features

- Suitable for use in positive or negative pressure applications.
- Three different impellers for handling of clean air, light dust or heavy material loads.
- High efficiency - up to 85%.

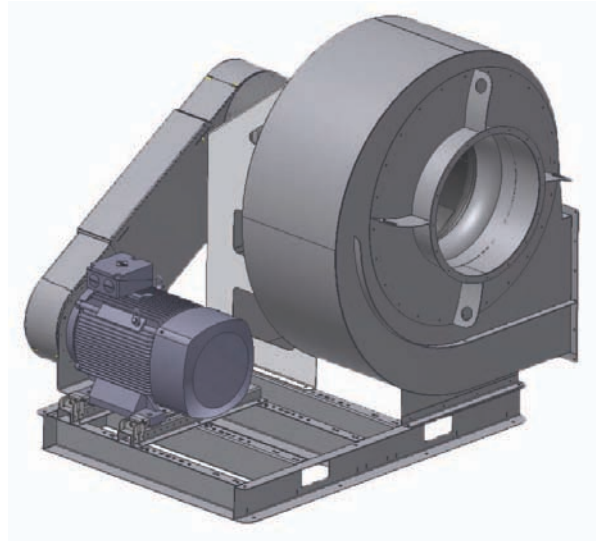
- Airflows up to 250,000 m³/h (147.000 cfm)
- Pressure up to 10,000 Pa (40" WG)
- Low energy consumption.
- Available as ATEX certified fans for explosive dusts and gases.

BV14 - Belt driven



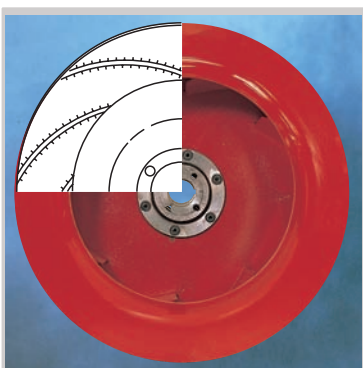
Airflow capacity 2,000 - 40,000 m³/h
(3.400-23.500 cfm)

BW09 - Belt driven



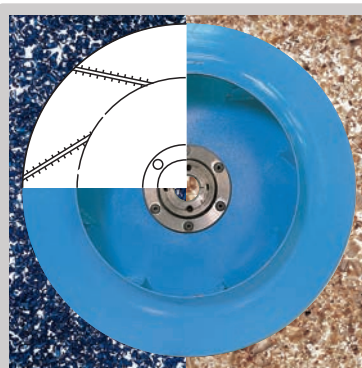
Airflow capacity 15,000 - 250,000 m³/h
(8.800-147.000 cfm)

Rounded impeller - Type R



The rounded impeller is used for transport of clean air and air with a small amount of fine dust, such as welding smoke, oil mists or exhaust gas. This impeller has an efficiency of up to 85%.

Straight impeller - Type S



The straight impeller is used for transport of non abrasive dust-laden air and shavings, such as grinding and polishing dust, dry saw dust and shavings, etc. This impeller has an efficiency of up to 80%.

Tough impeller - Type T



The tough impeller is used for transport of long shavings, chips, high waste flow, etc. This impeller has an efficiency of up to 60%.

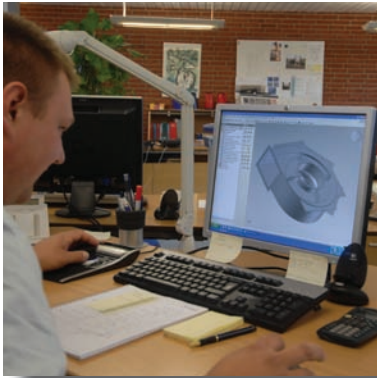
High reliability of operation



Proven quality

All Nederman products are produced according to ISO 9001 and where required also ATEX certified quality system.

These external certification systems ensure the quality, security and craftsmanship of the products delivered from Nederman.



Design & engineering

The Combifab F fan is developed, designed and tested by skilled engineers and industrial designers in order to obtain optimal airflow inside the fan as well as to keep a streamlined design on the outside.



Hands-on quality

All fans are checked by skilled workers according to our quality systems. Prime steel sheets are selected, welds are checked, impellers are balanced and the complete fan is tested before shipment.



Experience & new thinking

Nederman has manufactured Combifab fans since 1992 and has produced more than 20,000 industrial fans for air and dust transport. A lot of the first delivered fans are still running today, due to high quality and reliable designs. The Combifab F is the latest generation of fans and is developed upon excellent real life experience and the latest production capabilities.

Minimising operation stops

The Combifab F fan requires a minimum of maintenance.

All bearings have been dimensioned for thousands of hours of operation and shaft seals have been designed to work in the most demanding environments.



Combifab F - your fan for the future

- ✓ Designed for heavy duty
- ✓ Short delivery times
- ✓ Low costs for maintenance
- ✓ Spare parts on stock
- ✓ Immediate service
- ✓ Certified quality
- ✓ Competitive prices



Accessories



Effective noise reduction

Any fan generates noise. To reduce the noise, the Combifab F fan can be built into an effective sound box. The sound box is available in different sizes, but can also be extended so that more fans are built into the same sound box. Easy access for maintenance purposes.



Frequency converters reduce energy consumption

The energy consumption can be reduced considerably by using frequency converters to regulate the Hz on the fans without losing the pressure in the system. The Combifab F fan curve is optimized in order to achieve the optimal use of frequency converters and save money on the energy bill.



Abrasive protection

When transporting abrasive materials it is possible to supply the fan house with extra strong interior abrasion protection and/or impeller made in Hardox steel. The Hardox impeller and interior abrasion protection extend the life time of the fan and can easily be replaced, if needed.



ATEX

Combifab F fans can be used for explosive dusts and certified according to the ATEX directive when required. Sparkless inlet, temperature sensor, thermistor and inspection door are some of the features supplied in order to prevent sparks and explosions.

Nederman - your supplier of complete dust extraction systems

Combifab F fans can be used for industrial dust extraction and air transport of any kind. Combifab F fans are a central part of the complete extraction system. Nederman delivers complete solutions adjusted for your next filtration project. See examples from our extensive product range below.

Bag filters

An extensive range of modular reverse air cleaned bag filters designed for continuous operation. Available for positive or negative pressure.



Cassette filters - FMK

A range of modular reverse jet cassette bag filters for continuous operation in light duty industrial dust collection applications, incorporating the long established easily maintained Nederman pocket fabric filter cassette. Filter areas from 15 to 88m².



Cartridge filters - FMC

A range of modular reverse jet cartridge filters for continuous operation in light to medium duty industrial dust collection applications, incorporating Nederman's patented UnicClean cartridges for efficient cleaning and saving in compressed air consumption.



Cartridge filters

An extensive range of tubular cartridge filters for process filtration and dust collection for free flowing dust; small single work station units and dedicated silo venting units.



High vacuum filters and units

An extensive range of filters and units for high vacuum systems for point extraction and central vacuum cleaning. Used for applications with a working vacuum of max. 30,000 Pa.



Cyclones and separators

A wide range of pre-separators is available, from medium and high efficiency cyclones and multi-cyclones to large capacity coarse separators and skimmers for flue gas applications.



Electrical panels

Electrical panels are built according to the latest EC legislation in our own electrical department adjusted to the individual filtration project.



Rotary valves

Rotary valve for discharging of dust with guarantee for sealed separation of two transport systems, pneumatic or mechanical. It may be used as a discharge device for dust filters and cyclones



CARZ damper

An ATEX certified back pressure flap for use as an explosion isolation damper. Available to suit duct diameters up to 1000mm.



Ducting

A complete range of ducting components for medium pressure extraction systems. It is quick to install, modify, extend or even to relocate, with a full range of branch fittings, transitions, dampers and fixing clamps. ATEX certified dampers and other accessories maximize the utility of the ubiquitous Nederman ducting system.





The Nederman Group is one of the world's leading suppliers of products and solutions within the environmental technology sector, focusing on industrial air filtration and recycling.

Nederman products and solutions contribute to reducing the environmental impact from industrial production processes and to creating a safe and clean working environment whilst boosting production efficiency.

The Group's offering covers everything from the design stage through to installation, commissioning and servicing.

Nederman has subsidiaries in 29 countries and agents and distributors in over 30 countries.

Nederman is ISO 9001 and 14001 certified. The Group develops and produces in its own manufacturing and assembly units in Europe, North America and Asia.

In 2010 Nederman acquired Nederman Filtration, thereby forming the world's leading Group within industrial air filtration.

The Group is listed on Nasdaq OMX Stockholm.

Nederman
www.nederman.com