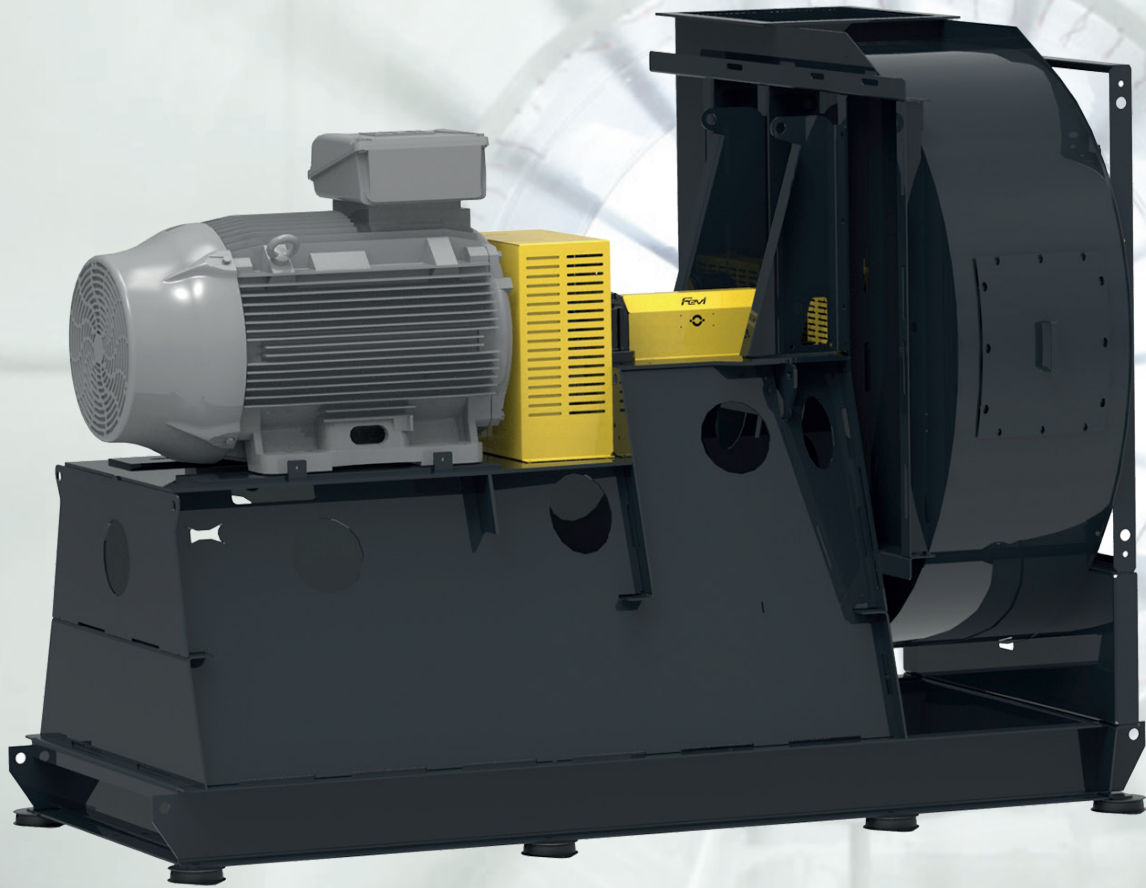


HIGH PERFORMANCE FANS



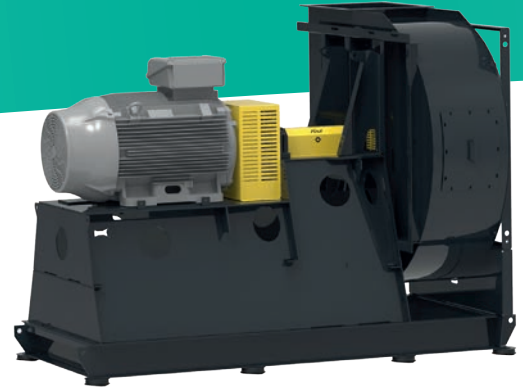
MODUL'AIR

A range of high performance fans for all industrial applications that can be adapted to suit all process conditions.

neujkf-fevi.com



HIGH PERFORMANCE FANS MODUL'AIR RANGE



MAIN SERIES

- L/C** for low pressure (2 ranges available)
- F/P** for high pressure (7 ranges available)
- M** for medium pressure (5 ranges available)
- E** For low airflow and high pressure
- EX** ATEX versions on request

Designation of MODUL'AIR fans

M14A - 3J - 0900 - RD90 - 01

Range Blade type Arrangement Impeller Ø mm Orientation Construction

An extensive range for the best choice of fan

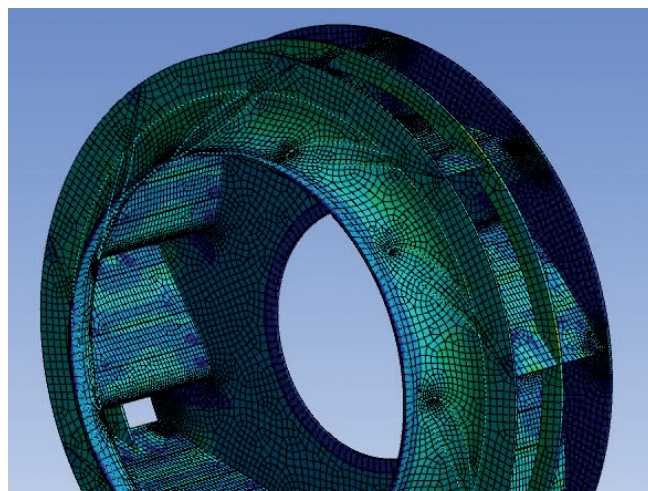
L M F SERIES

14 **STANDARD IMPELLER WIDTHS**
for selecting a fan for optimal efficiency, especially for direct drive, whatever the flow-pressure performance requirements.

6 **BLADE PROFILES AVAILABLE**

The standard impeller diameters according to the Renard R20 series and ISO 13351 are listed in the table below.

IMPELLER SIZES AVAILABLE (mm)						
0315	0450	0630	0900	1250	1800	2500
0355	0500	0710	1000	1400	2000	2800
0400	0560	0800	1120	1600	2240	3150



E SERIES

Suitable for low airflow/high pressure applications.

The impellers are made of aluminium to minimise inertia and thus start-up time to avoid oversizing of the drive motor.

Carbon steel or stainless steel impellers are available if required.

Impellers riveted as standard, welded for special applications.

These fans are available as standard in arrangements 1J, 3J and 7J.

2 BLADE PROFILES AVAILABLE

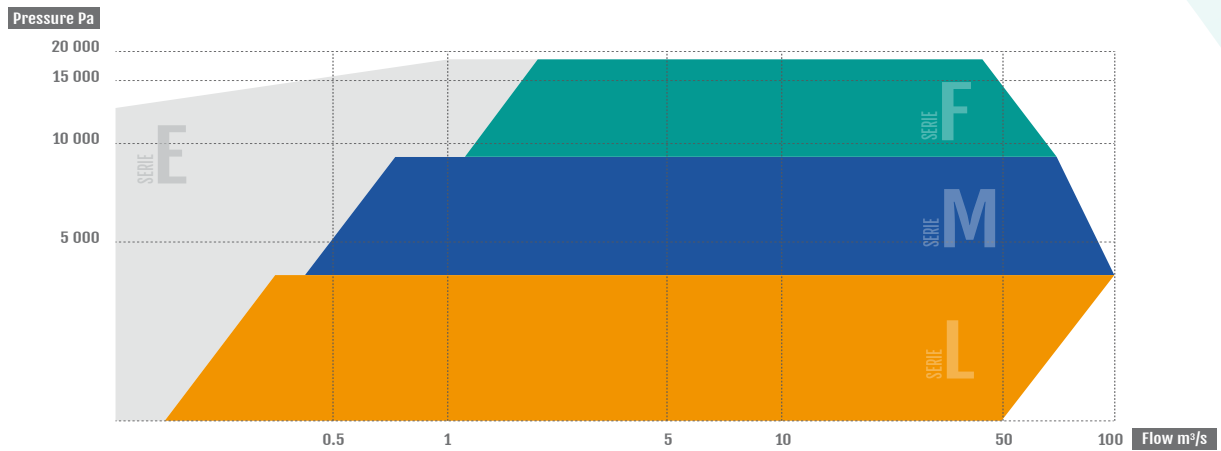
P: flat reaction blades
(aluminium impeller for clean air and steel impeller for dust-laden gas)

T: open radial blades
(Steel impeller for dust-laden gas)

10 standard sizes diameter 400 mm to 1120 mm in compliance with series R20 and ISO 13351.

15 standard impeller widths for selecting the most suitable fan, for all airflow/pressure performance requirements, particularly for fixed-speed direct drive.

Performance range for standard fans



6 BLADE TYPES

TYPE A

Fans with profiled backward-facing blades



Clean air or air with non-abrasive low-clogging dust

- Maximum efficiency 81-89%
- Self-limiting airflow/power curve
- Very low noise
- Excellent mechanical strength

TYPE B

Fans with backward-curved blades



Clean air or air with non-clogging low-abrasive dust

- Maximum efficiency 80-88%
- Self-limiting airflow/power curve
- Very low noise

TYPE P

Fans with flat backward-facing blades



Air laden with abrasive, slightly clogging dust

- Maximum efficiency 72-84%
- Self-limiting airflow/power curve
- Low noise

TYPE S

Fans with forward-curving blades



Air laden with clogging or abrasive dust

- Maximum efficiency 70-82%
- Self-limiting airflow/power curve
- Low noise
- Very good mechanical strength

TYPE R

Fans with radial blades and front shroud

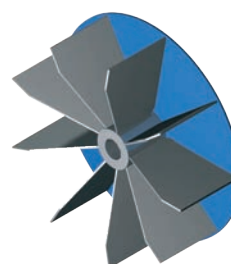


Air heavily laden with clogging or abrasive dust

- Maximum efficiency 65-72%
- Very good mechanical strength at high temperatures

TYPE T

Fans with open radial blades



Air laden with dust, fibres and waste of all kinds

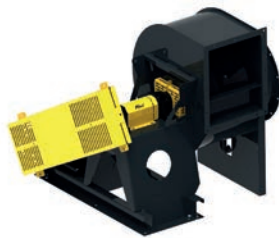
- Maximum efficiency 60-64%
- Stable flow-pressure curve over whole range

3 MAIN ARRANGEMENTS



**ARRANGEMENT
1J AND 1Z**

Direct drive
Sizes from 315 to 1 250 mm



**ARRANGEMENT
3J AND 3Z**

Belt drive
Sizes from 315 to 1 400 mm



**ARRANGEMENT
7J AND 7Z**

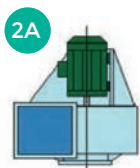
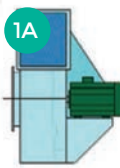
Coupled drive
Sizes from 500 to 1 400 mm

12 ORIENTATIONS

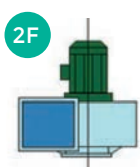
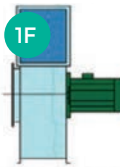


(orientations LG180 and RG180 on request)

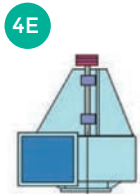
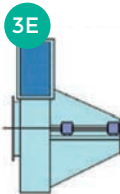
8 OTHER STANDARD ARRANGEMENTS FOR MODUL'AIR FANS



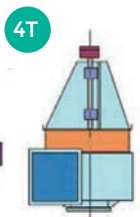
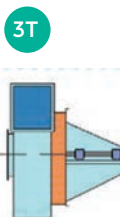
Single-inlet impeller overhung on the motor shaft.
Direct drive.
Motor mounted on a pedestal.
Available for horizontal (1A) or vertical (2A) mounting.



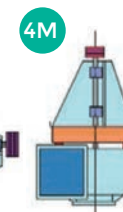
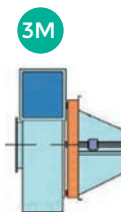
Single-inlet impeller overhung on the motor shaft.
Direct drive. Flanged-mounted motor.
Available for horizontal (1F) or vertical (2F) mounting.



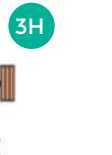
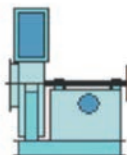
Plug fan for mounting on ovens, with or without housing.
Single-inlet impeller overhung on a rotating shaft in 2 bearings mounted on a pedestal.
V-belt drive.
Available for horizontal (3E) or vertical (4E) mounting.



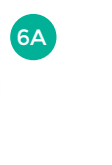
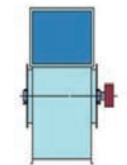
Plug fan with insulated plug, with or without housing.
Single-inlet impeller overhung on a rotating shaft in 2 bearings mounted on a pedestal.
V-belt drive
Available for horizontal (3T) or vertical (4T) mounting.



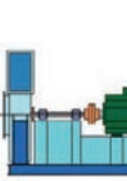
Plug fan with insulated plug without thermal bridge, with or without housing.
Single-inlet impeller overhung on a rotating shaft in 2 bearings mounted on a pedestal.
V-belt drive.
Available for horizontal (3M) or vertical (4M) mounting.



Single-inlet impeller overhung on a rotating shaft in 2 bearings mounted on a pedestal.
V-belt drive.
Flat-mounted motor on a shared frame welded to the pedestal.
Housing supported on the shaft for high temperature gas.



Double-inlet impeller mounted on a shaft between 2 bearings.
Bearings supported in the air inlets.
V-belt drive.



Single-inlet impeller overhung on a rotating shaft in 2 bearings mounted on a pedestal.
Coupled drive.
Motor mounted on a pedestal shared with the bearings.
Shared frame housing and pedestal.
Housing supported on the shaft for high temperature fluids.

Special arrangements available on request.