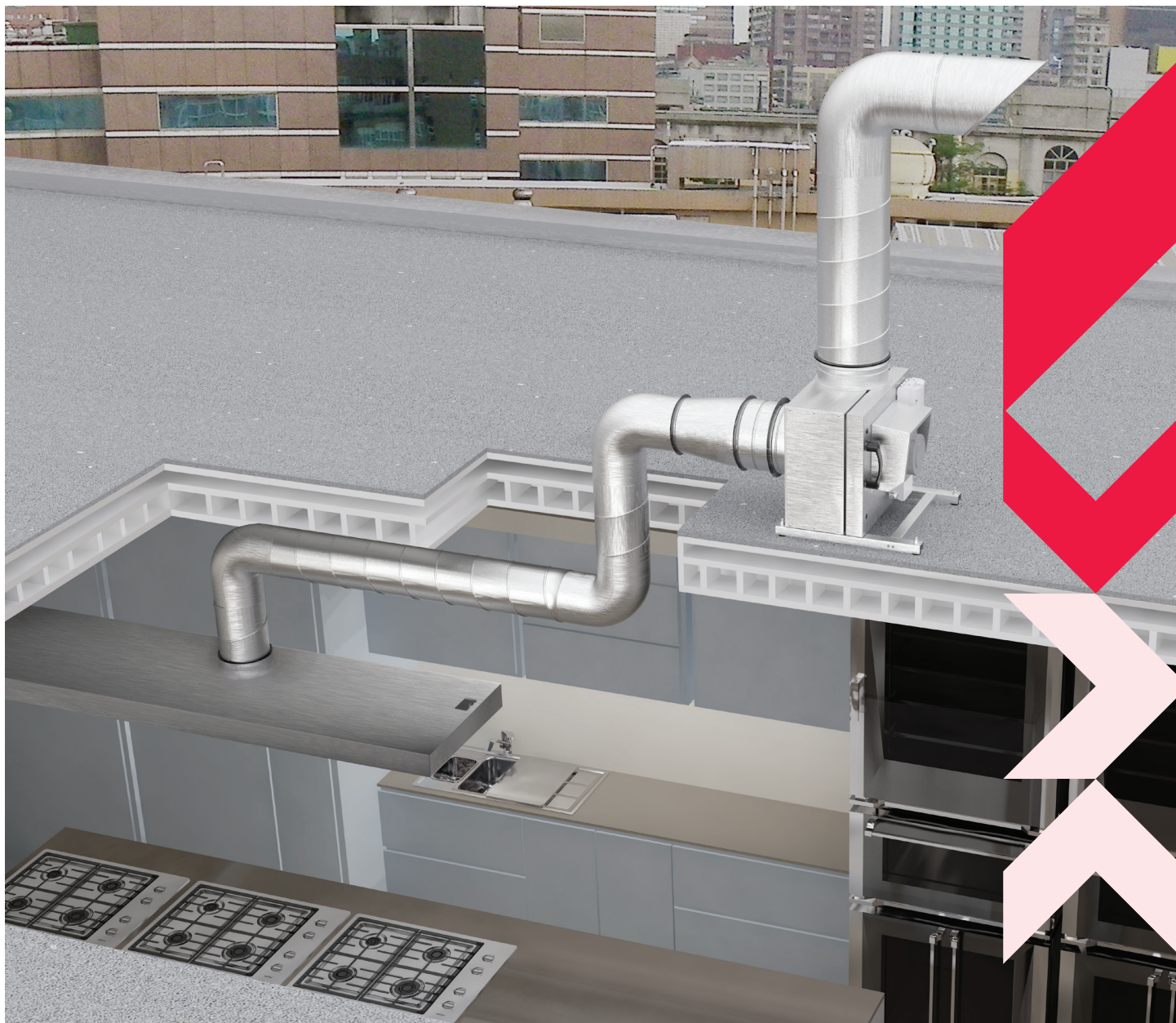


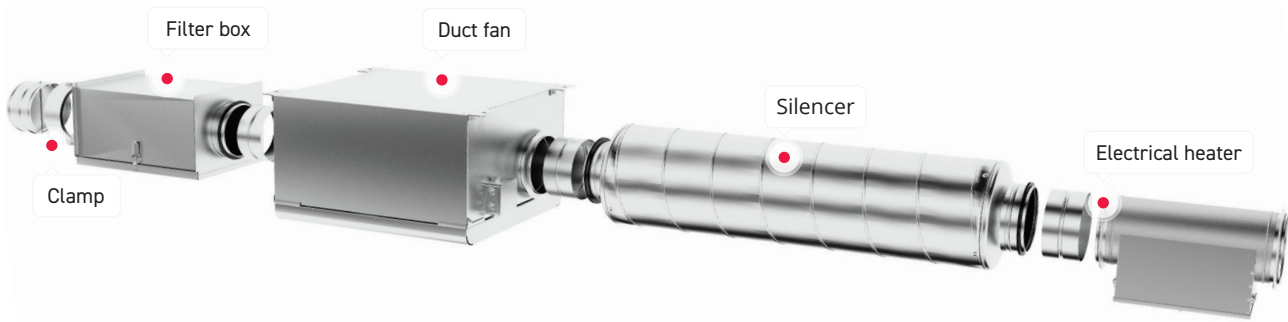


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FANS

Smart Way to Handle the Air

Duct fans

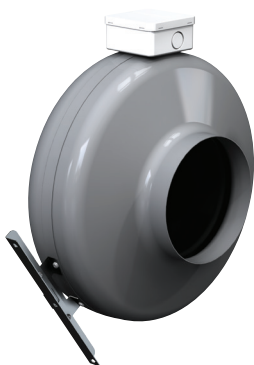


Duct fans are mostly used in low-to medium-pressure ducted systems with additional components such as heaters, filter boxes, dampers, etc.

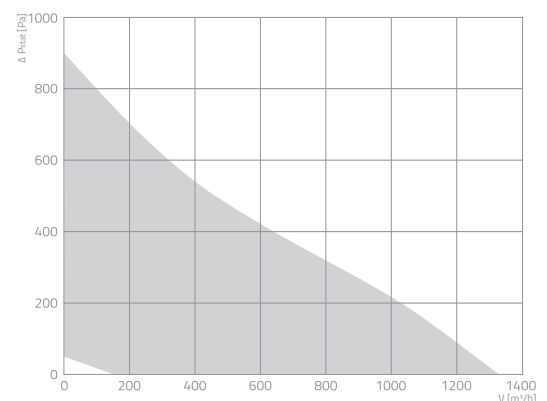
VKA EKO Circular duct fans



VKA 125 EKO | VKA 160 EKO | VKA 200 EKO | VKA 250 EKO | VKA 315 EKO



- › Diameter: 125-315 mm;
- › Airflow: up to 1320 m³/h;
- › Mounting positions: multiple;
- › Backward-curved impeller;
- › Power supply: 230V/50Hz/1f;
- › Casing: galvanized sheet steel, powder coating;
- › Location: indoors;
- › Motor protection class: IP54;
- › Temperature range*: -25° C to +60° C.



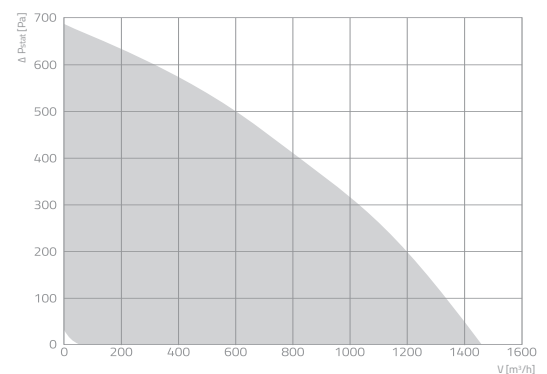
VKAP 3.0 Circular duct fans



VKAP 100 MD 3.0 | VKAP 100 LD 3.0 | VKAP 125 MD 3.0 | VKAP 125 LD 3.0 | VKAP 150 LD 3.0 | VKAP 160 MD 3.0 | VKAP 160 LD 3.0 |
VKAP 200 MD 3.0 | VKAP 200 LD 3.0 | VKAP 250 LD 3.0 | VKAP 250 MD 3.0 | VKAP 315 MD 3.0 | VKAP 315 LD 3.0



- › Diameter: 100-315 mm;
- › Airflow: up to 1370 m³/h;
- › Mounting positions: multiple;
- › Backward-curved impeller;
- › Power supply: 230V/50Hz/1f;
- › Casing: galvanized sheet steel;
- › Location: indoors;
- › Motor protection class: IP44;
- › Temperature range: -40° C to +55° C.



* - range may vary depending on the unit

AKU EKO

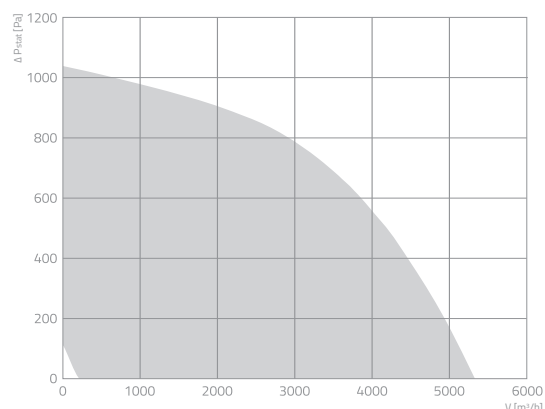
Acoustically insulated duct fans



AKU 125 EKO | AKU 160 EKO | AKU 200 EKO | AKU 250 EKO | AKU 315 EKO



- › Round connection;
- › Diameter: 125-315 mm
- › Airflow: up to 5310 m³/h;
- › Mounting positions: 3 positions;
- › Backward-curved impeller;
- › Power supply: 230V/50Hz/1f;
- › Casing: galvanized sheet steel;
- › Casing insulation: 50 mm;
- › Location: indoors;
- › Motor protection class: IP44/IP54;
- › Temperature range*: -25° C to +60° C.



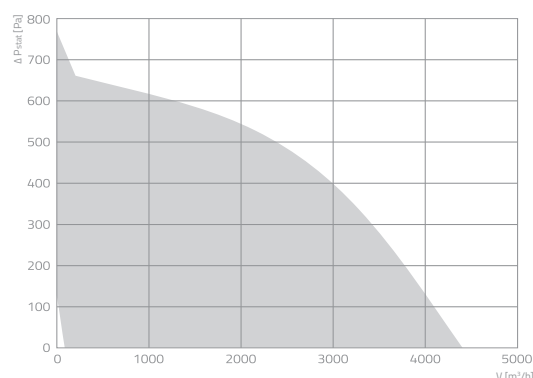
AKU

Acoustically insulated duct fans

AKU 125 M | AKU 125 D | AKU 160 M | AKU 160 D | AKU 200 M | AKU 200 D | AKU 250 M | AKU 250 D | AKU 250 S | AKU 315 M | AKU 315 D | AKU 400 D | AKU 400 S



- › Diameter: 125-400 mm;
- › Airflow: up to 4390 m³/h;
- › Mounting positions: 3 positions;
- › Backward and forward-curved impeller;
- › Power supply: 230V/50Hz/1f;
- › Casing: galvanized sheet steel;
- › Casing insulation: 50 mm;
- › Location: indoors;
- › Motor protection class: IP44/IP54*;
- › Temperature range:** -40° C to +75° C.

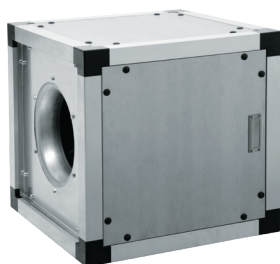


KUB EKO

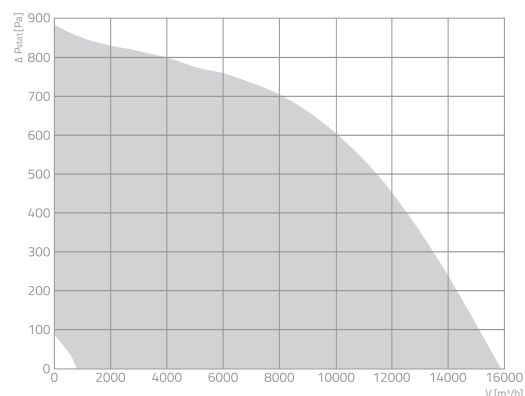
Acoustically insulated rectangular duct fans



KUB 67-400 EKO | KUB 67-500 EKO | KUB 80-560 EKO | KUB 80-630 EKO



- › Edge length: 670-800 mm;
- › Flange diameter: 325-512 mm;
- › Airflow: up to 14900 m³/h;
- › Mounting positions: 3 positions;
- › Backward-curved impeller;
- › Power supply: 230V/50Hz/1f or 400V/50Hz/3f;
- › Casing: aluminum frame and galvanized steel walls;
- › Casing insulation: 20 mm;
- › Location: indoors/outdoors;
- › Motor protection class: IP54;
- › Temperature range*: -20° C to +60° C.



* - motor protection class may differ for the separate fans;

** - range may vary depending on the unit.

CDFI

Acoustically insulated circular duct fans



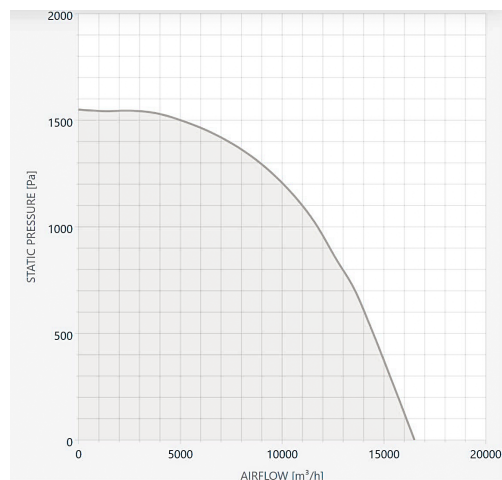
CDFI 800 L/R C0 EKO | CDFI 1500 L/R C0 EKO | CDFI 4000 L/R C0 EKO | CDFI 6000 L/R C0 EKO | CDFI 8000 L/R C0 EKO |
CDFI 10000 L/R C0 EKO | CDFI 12000 L/R C0 EKO | CDFI 16000 L/R C0 EKO



- > Airflow: up to 16500 m³/h;
- > Mounting positions: 3 positions;
- > Backward-curved impeller;
- > Impeller material: metal
- > Power supply: 230V/50Hz/1f or 400V/50Hz/3f;
- > Casing: aluminum frame and galvanized steel walls, polypropylene corners, mineral wool insulation, removable panels for connection of modules
- > Motor: EC with integrated thermal protection; Integrated potentiometer.

5 different modules can be connected to a CDFI fan:

- > Changeover coil
- > Water heater
- > Electrical heater
- > Filter
- > Silencer



Changeover coil



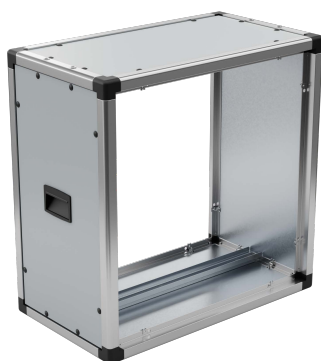
Water heater



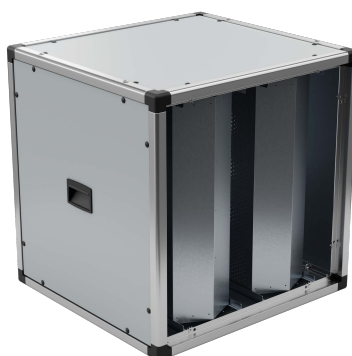
Electrical heater



Filter

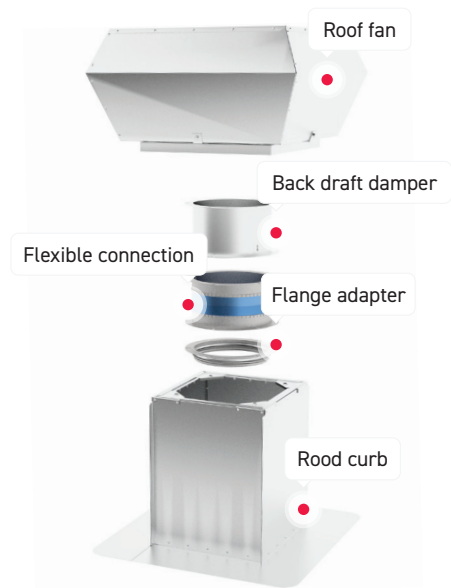


Silencer



Roof fans

Roof fans are used to extract air in ventilation systems where the air has a low amount of impurities. Fan motors are protected from external objects. Roof fans are typically mounted with roof curbs and back-draft shutters. Demand control ventilation is available (for EC fans with 0-10VDC control) with Stouch controllers and CO₂/pressure sensors that regulate fan speed depending on CO₂ levels/pressure. EC fans (controlled via 0-10 VDC signal) can also be connected directly to constant pressure sensors or on/off switches.

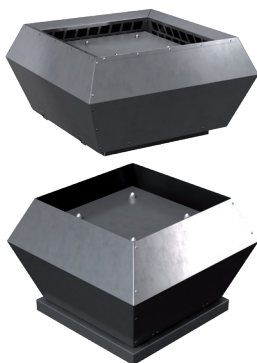


VSV/VSVI EKO

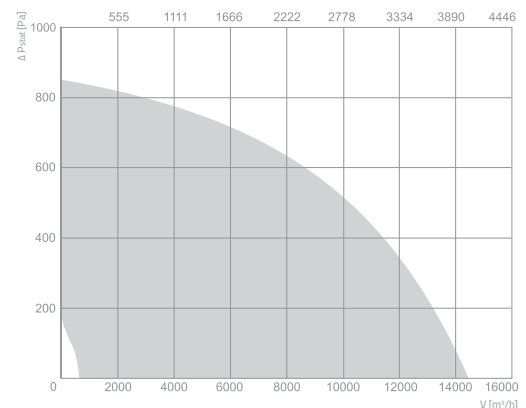
Vertical discharge roof fans



VSV/VSVI 311 L1 EKO | VSV/VSVI 355 L1 EKO | VSV/VSVI 400 L1 EKO | VSV/VSVI 450 L3 EKO | VSV/VSVI 500 L3 EKO | VSV/VSVI 560 L3 EKO | VSV/VSVI 630 L3 EKO



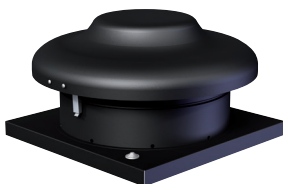
- > Airflow: up to 14500 m³/h;
- > Mounting positions: vertical;
- > Backward-curved impeller;
- > Power supply: 230V/50Hz/1f or 400V/50Hz/3f;
- > Casing: aluminum;
- > Casing insulation: 50 mm (VSVI only);
- > Location: outdoors;
- > Motor protection class: IP54;
- > Temperature range*: -20° C to +60° C.



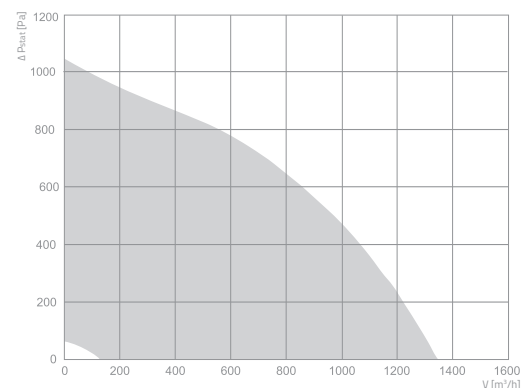
VSA EKO/VSA 3.0

Horizontal discharge roof fans

VSA 190 EKO | VSA 220 EKO | VSA 225 EKO | VSA 250 EKO | VSA 190 S 3.0 | VSA 190 L 3.0 | VSA 220 S 3.0 | VSA 220 M 3.0 | VSA 225 L 3.0 | VSA 250 L 3.0



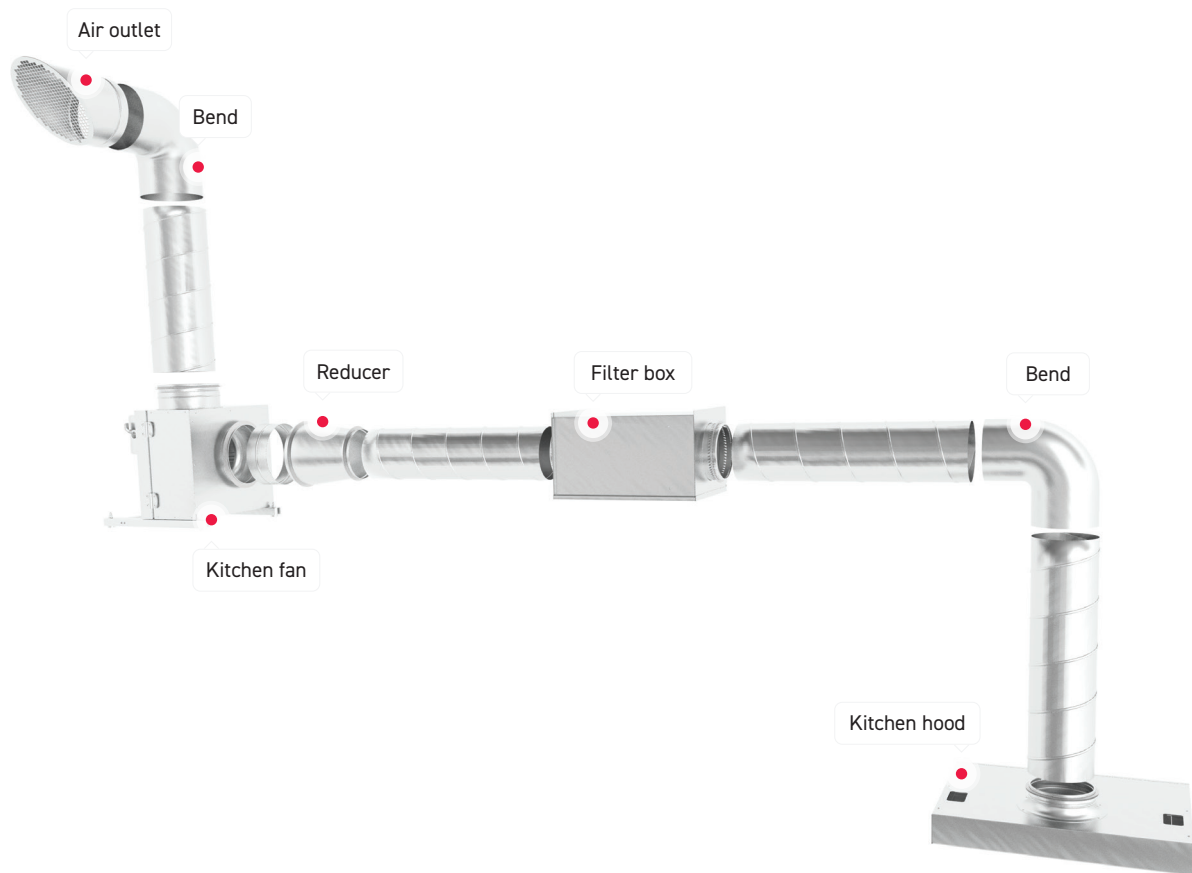
- > Airflow: up to 1350 m³/h;
- > Mounting position: vertical;
- > Backward-curved impeller;
- > Power supply: 230V/50Hz/1f;
- > Casing: galvanized sheet steel, powder coating;
- > Location: outdoors;
- > Motor protection class: IP44/IP54;
- > Temperature range**: -40° C to +80° C.



* - motor protection class may differ for the separate fans;

** - range may vary depending on the unit.

Kitchen fans



Kitchen fans are used to extract air in ventilation systems where the air is up to 120° C and has higher levels of humidity and impurities like grease. These fans' motors have higher protection class of IP44/54. Units are equipped with easily removable grease trays and are service friendly.

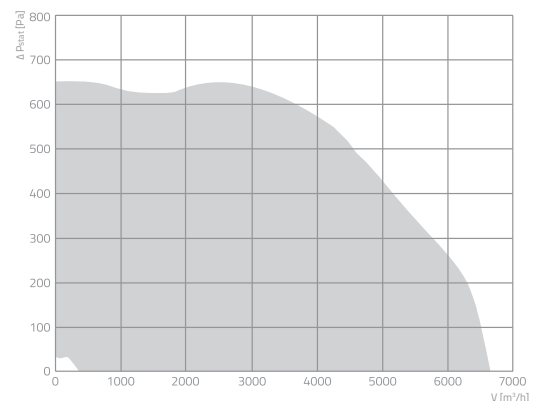
KF T120 EC* Kitchen fans



KF T120 F 200 EC | KF T120 F 250 EC | KF T120 F 280 EC | KF T120 B 315 EC | KF T120 B 355 EC | KF T120 B 400 EC | KF T120 F 160 EC | KF T120 F 180 EC



- › Flange diameter: 200-400 mm;
- › Airflow: up to 6660 m³/h;
- › Mounting position: vertical;
- › Forward or backward-curved impeller;
- › Power supply: 230V/50Hz/1f or 400V/50Hz/3f;
- › Casing: galvanized sheet steel;
- › Casing insulation: 50 mm;
- › Drain connection: stainless steel;
- › Anti-vibration pads: included;
- › Location: indoors/outdoors;
- › Motor protection class: IP55**;
- › Temperature range***: -25° C to +60° C.



* - fans for transporting gases hotter than 1000 C are not subject to ErP regulations;

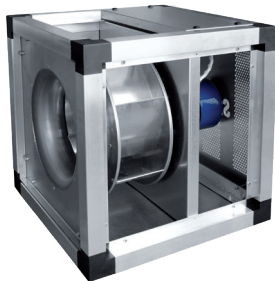
** - KF-T120 F 160 EC IP44;

*** - range may vary depending on the unit.

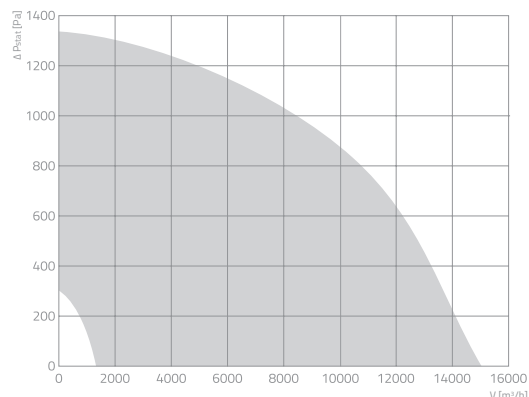
KUB T120*

Kitchen fans

KUB T120 355-4L3 | KUB T120 400-4L3 | KUB T120 450-4L3 | KUB T120 500-4L3 | KUB T120 560-4L3 | KUB T120 630-4L3



- > Edge length: 500-865 mm;
- > Flange diameter: 355-630 mm;
- > Airflow: up to 15100 m³/h;
- > Mounting positions: vertical;
- > Backward-curved impeller;
- > Power supply: 400V/50Hz/3f;
- > Casing: aluminum frame, galvanized steel panels;
- > Casing insulation: 20 mm;
- > Condensate tray: stainless steel;
- > Location: indoors/outdoors;
- > Motor protection class: IP55;
- > Temperature range: -40° C to +40° C.



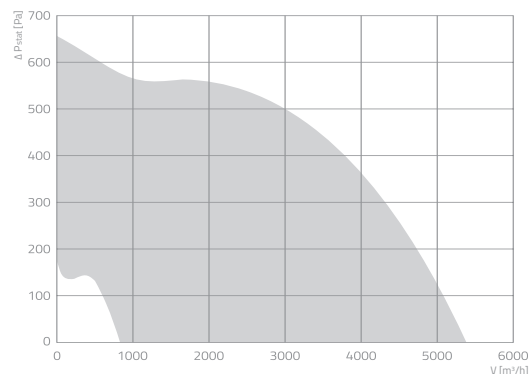
KF T120*

Kitchen fans

KF T120 160-4L3 | KF T120 180-4L3 | KF T120 200-4L3 | KF T120 225-4L3 | KF T120 250-4L3 | KF T120 280-4L3 | KF T120 315-4L3 |
KF T120 355-4L3 | KF-T120-400-4 L3



- > Flange diameter: 200-400 mm;
- > Airflow: up to 5230 m³/h;
- > Mounting position: vertical;
- > Forward or backward-curved impeller;
- > Power supply: 400V/50Hz/3f;
- > Casing: galvanized sheet steel;
- > Casing insulation: 50 mm;
- > Anti-vibration pads: included;
- > Location: indoors/outdoors;
- > Motor protection class: IP55;
- > Temperature range: -40° C to +40° C.



Fan speed control options and controllers

Product name	P01-S 0-10v	10 kΩ potentiometer	External signal 0-10 VDC	ETY	MTY	TGRV (1f)	TGR (3f)	Frequency inverters
VEKA EKO	+	+	+					
AKU EKO	+	+	+					
KUB EKO	+	+	+					
VSV/VSVI EKO	+	+	+					
VSA EKO	+	+	+					
KF T120 EC	+	+	+					
VKAP 3.0				+	+	+		+
AKU				+	+	+		+
VSA 3.0				+	+	+		+
KUB T120							+	+
KF T120							+	+

* - fans for transporting gases hotter than 1000 C are not subject to ErP regulations.

The company reserves the right to make changes of technical data without prior notice



ETY/MTY

Single phase speed controller

- > Manual speed or airflow regulation.
- > Voltage controllable (230 V AC, 50 Hz) motors and fans.
- > More than one motor connection possibility.
- > Splash-proof casing.



P01-S 0-10v

0-10V speed controller

- > Best solution for EC fans control.
- > Intended for the devices with the input voltage of 0–10V output voltage of +10V.
- > Desired voltage output can be set from 0V up to 10V using the rotating knob.
- > Additional function for ON and OFF.



TGRV/TGRT

1 phase controller | 3 phase controller

- > Changes motor rotation speed by changing voltage.
- > Motor protection function.
- > Thermo protection function.
- > Power supply fault protection.
- > Fixed voltage steps with rotary switch.
- > Power indication led.
- > 230 VAC output for connection servo motors, actuators, heaters relays and etc.
- > More than one motor connection possibility, if total current of all motors is less than maximum controller current. In this case all motors thermo protections must be connected in series.