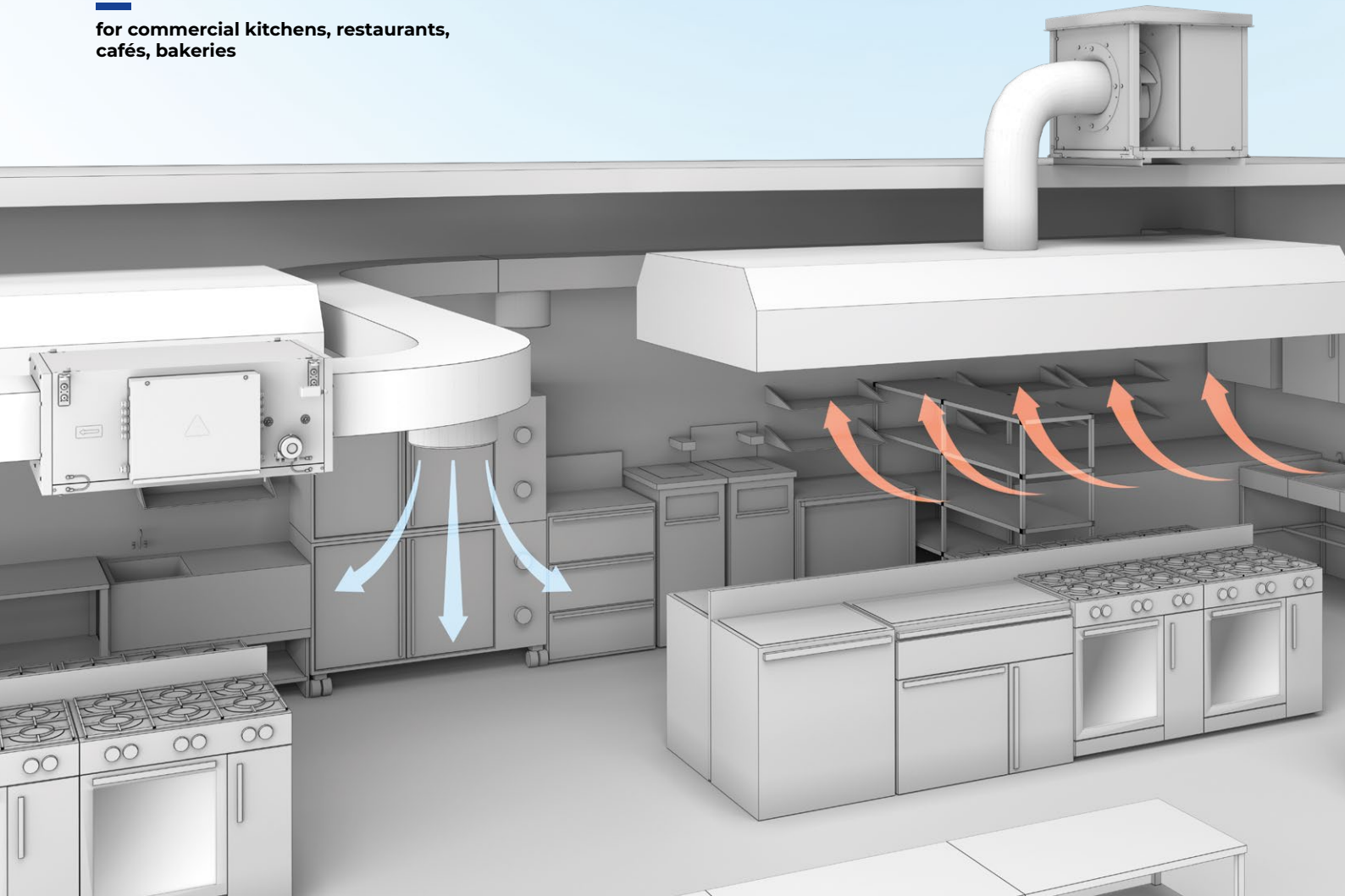
BLAUBERG Ventilatoren

KITCHEN VENTILATION

2025

OPTIMAL SOLUTIONS

for commercial kitchens, restaurants, cafés, bakeries



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Exhaust kitchen fans: temperature up to 120 °C

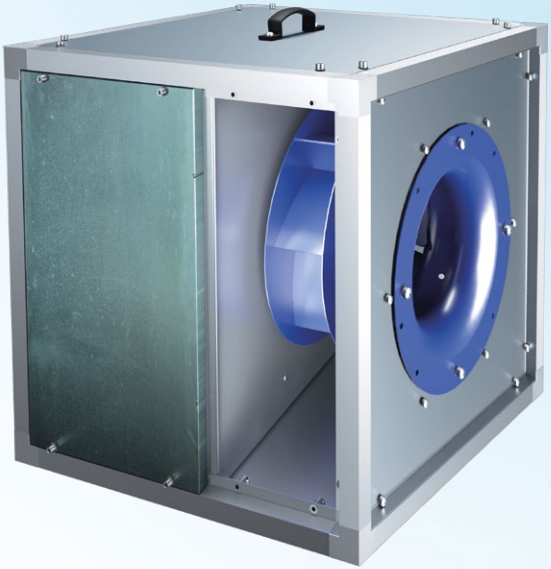
Exhaust smoke extract fans: temperature up to +400 °C (2 hours)

Supply units and fans

Accessories

EXHAUST KITCHEN FANS

temperature up to 120 °C



ISO-VK

AC: air flow up to 21 860 m³/h

EC: air flow up to 27 500 m³/h

Temperature up to 120 °C (continuous operation)

AC motors, EC motors

APPLICATION

Designed to extract contaminated hot air, containing grease (when using grease filters), in conditions requiring high durability

Perfectly function in various ventilation systems for:

restaurant or café kitchens

commercial bakeries

Designation key

Iso-VK EC 315 4E

Motor:
_: AC
EC: EC motor

Phases
E: single-phase
D: three-phase

Poles (for AC)
Number of poles: 4/6

Turbine size [mm]
315, 355, 400, 450, 500, 560, 630, 710, 800

Series
Iso-VK: sound-insulated kitchen fan (120 °C)

Construction

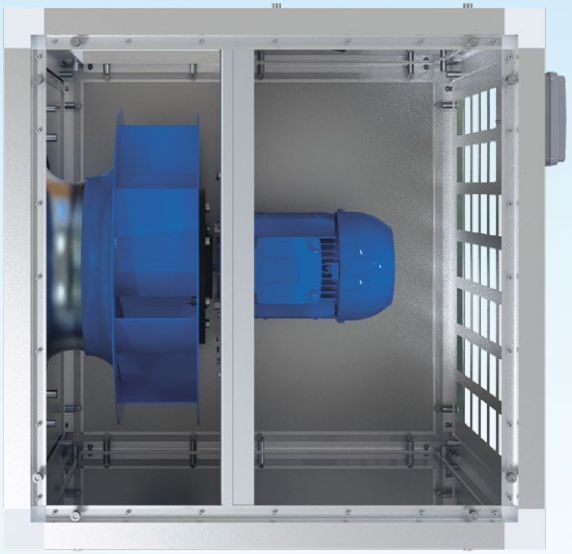
Motor protection rating: IP55

Motor insulation class: F

Galvanized steel impeller with backward curved blades made of heat-resistant steel

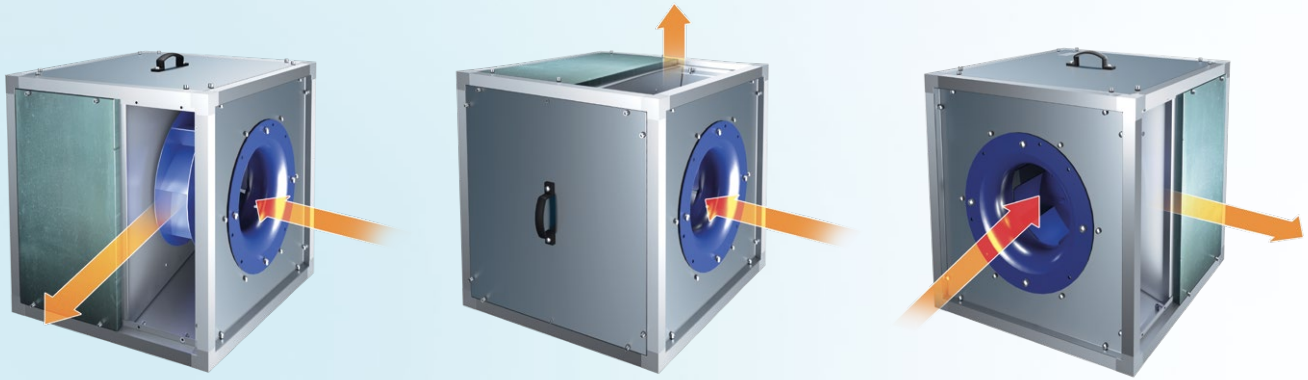
Single-phase or three-phase motors

The motor is located outside the air flow and separated from the impeller with a metal panel

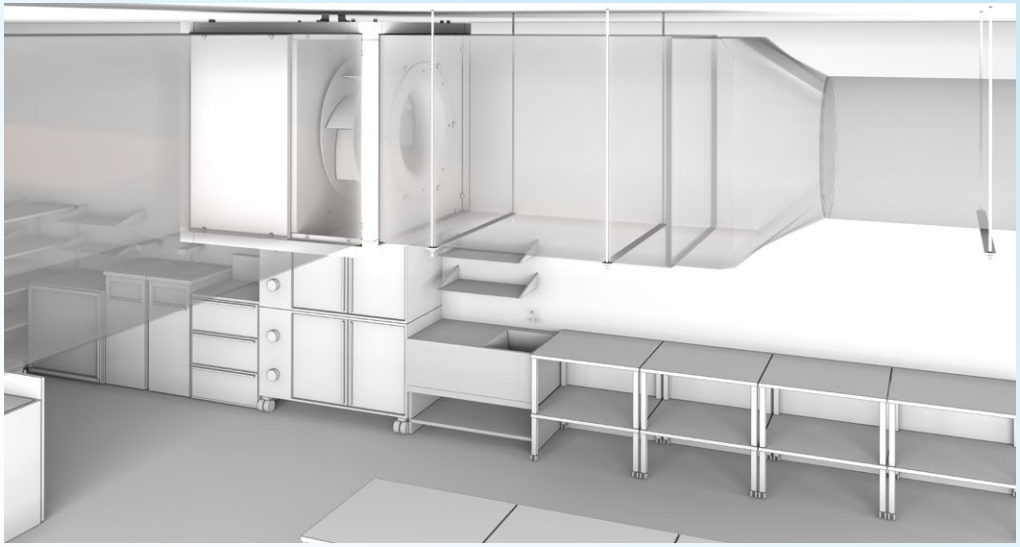


Versatility of mounting

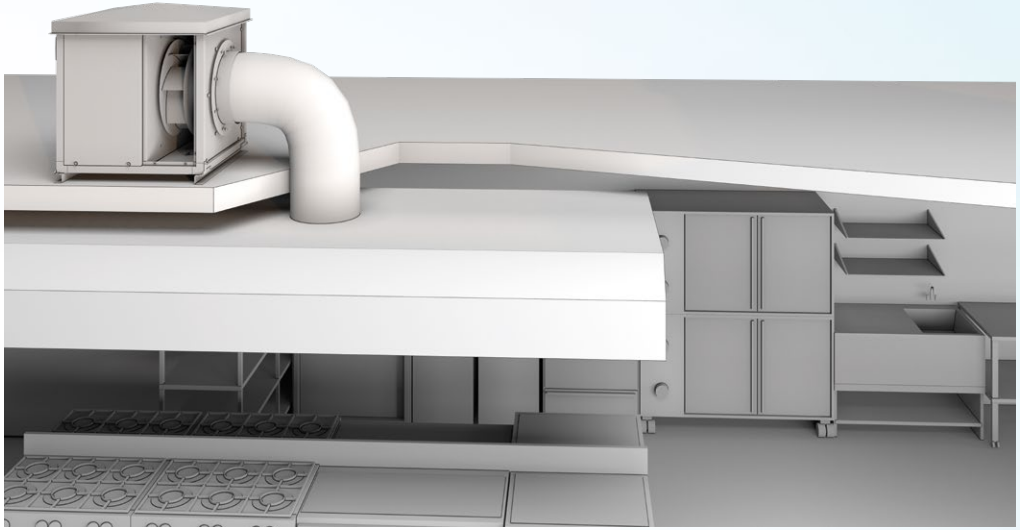
The direction of air flow can be easily changed by rearranging the panel.



Application



Indoor application



Outdoor application

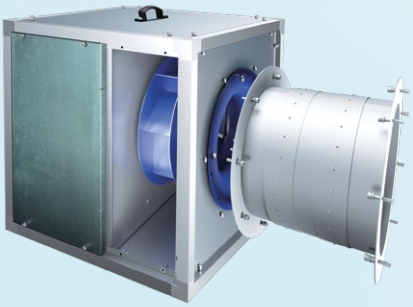
Maintenance

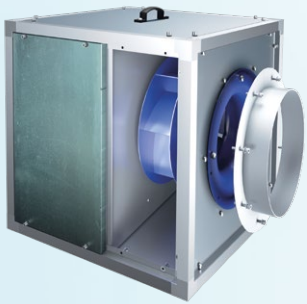
Easy maintenance with cleaning tools

Drainage included (washable with Kärcher cleaning tools)

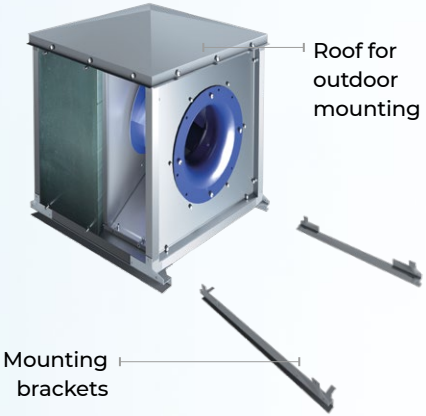
Accessories

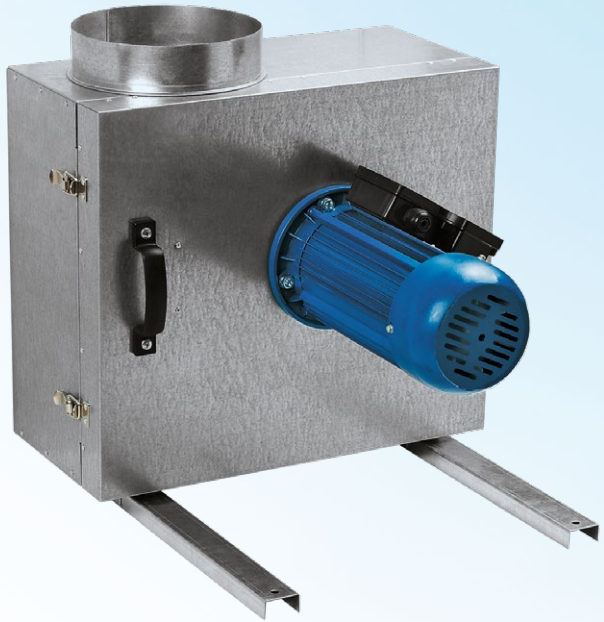
Special flanges for round ducts





Mounting accessories





ISO-K

Air flow up to 8 138 m³/h

Temperature up to 120 °C (continuous operation)

AC motors

APPLICATION

Designed to extract contaminated hot air, containing grease (when using grease filters), in conditions requiring high durability

Perfectly function in various ventilation systems for:

restaurant or café kitchens

commercial bakeries

Designation key

Iso-K 160 4E

Phases
E: single-phase
D: three-phase

Poles
Number of poles: 2/4/6

Turbine size [mm]
150; 160; 200; 250; 315; 355; 400; 450

Series
Iso-K: centrifugal fan in sound-insulated casing

Motor

The motor is located outside the air flow and separated from the impeller with a metal panel

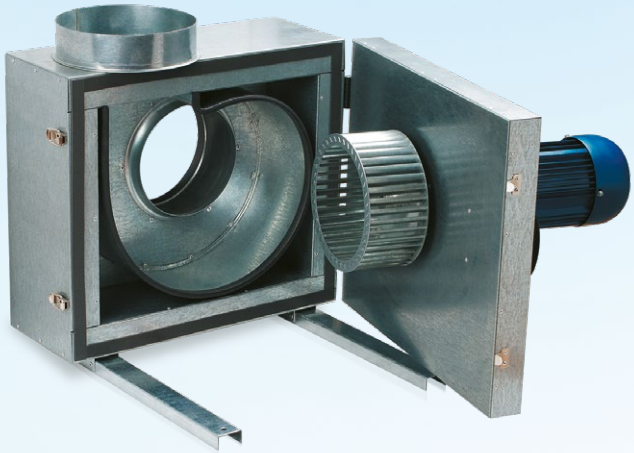
Motor protection rating IP54

Galvanized steel impeller with backward or forward curved blades

Single-phase or three-phase motors

Compatible with round air ducts

The spigot diameter matches the standard air duct sizes



Maintenance

Easy maintenance

Accessories

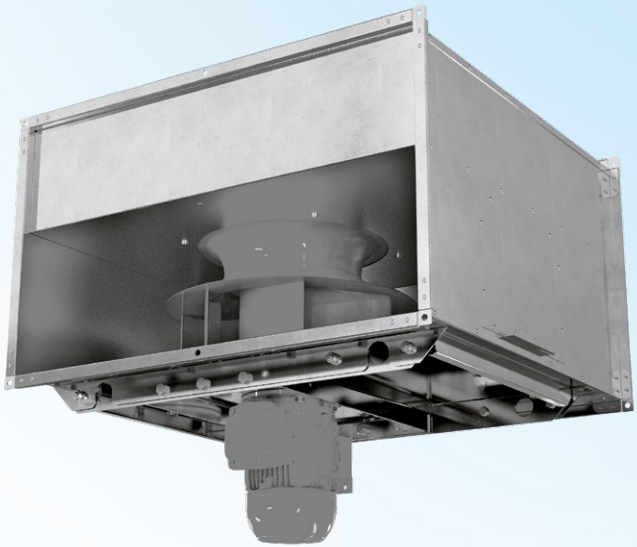
Fixing bracket
UM Iso-K

Sleeve
V Iso-K

Flexible connector
EVA

EXHAUST SMOKE EXTRACT KITCHEN FANS

temperature up to +400 °C
for 2 hours



BOX-S

Air flow up to 28 500 m³/h

Temperature up to 400 °C for 2 hours (100 °C continuous operation)

APPLICATION

The dual-purpose fan is used in emergency exhaust ventilation systems for forced removal of smoke, heated gases and combustion products, as well as for general exhaust ventilation of shopping malls, garages, warehouses, kitchens

Designation key

Box-S 25-2E/0.37-50x30

- **Spigot dimensions [cm]**
  50x30; 60x30; 60x35; 70x40; 70x50; 80x60; 90x70; 100x70; 120x90
- **Motor power [kW]**
  x: single-speed; x/x: two-speed
- **Phases**
  E: single-phase; D: three-phase
- **Poles**
  single-speed fan: 2/4/6
  two-speed fan: 2/4; 4/6; 4/8
- **Impeller standard size [cm]**
  25; 28; 31.5; 35.5; 40; 45; 50; 56; 63; 71
- **Series**
  Box-S: rectangular inline fan for smoke removal

Motor

AC motor

The motor is located outside the air flow and separated from the impeller with a metal panel

Motor protection rating IP54

Galvanized steel impeller

Single-phase or three-phase motors

The fans can be equipped with a single- or three-phase electric motor

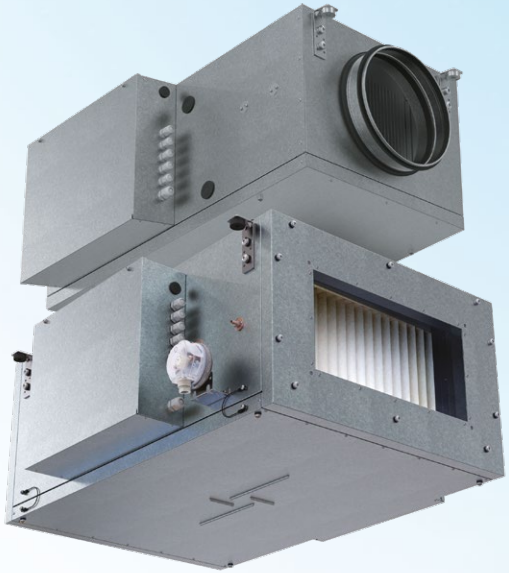
Single-speed fans are equipped with 2-, 4- or 6-pole motors. Two-speed fans are equipped with 2/4, 4/6, 4/8-pole motors

Operation

The fan is designed to remove smoke and air mixtures up to +400 °C for 120 minutes and for continuous operation at a temperature of the transported medium up to +100 °C

The fans can be equipped with a frequency converter for controlling the rotation frequency

SUPPLY UNITS AND FANS



BLAUBOX EC ME/MW

Air flow up to 4 950 m³/h

EC motors

Electric or water heater

BMS Modbus

APPLICATION

Ventilation units for efficient supply ventilation in various premises. Controllable air supply, heating and filtration

Designation key

Blaubox EC MW 1000 _ L S31

Automatic control system
S30: kVent controller with th-Tune remote controller
S31: kVent controller without the remote controller
S32: kVent controller with pGDE remote controller

Connection side
L: left
R: right

Number of heat exchanger rows (for water heater only)

Maximum air flow [m³/h]: 700; 1000; 1500; 2000; 3000; 4000

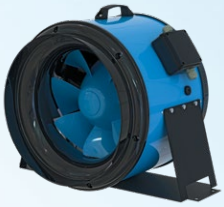
Heater type: MW – water heater, ME – electric heater

Motor type
EC: electronically commutated

Series
Blaubox – single-block air supply unit

Control and automation

Functions	S31
Wired control panel	S30
	S32
Unit on / off	+
Speed control	+
Filter clogging control by pressure sensor	+ (except Blaubox EC MW/ME 700)
Filter clogging control by timer Blaubox EC MW/ME 700	+
Weekly schedule	+
Electric heater protection	+
Supply air temperature control	+
Outer temperature sensor	+
Reheater	Water or electric
Air damper control	+
Alarm indication	+
BMS connection	ModBUS (RTU)
Humidity sensor	0-10 V or NO
CO_2 sensor	0-10 V or NO
Three-way valve control	+
Circulation pump control	+
Condensing unit control	0-10 V



PRIMO

- Air flow up to 5 700 m³/h
- AC or EC motors
- Single-phase motors
- Round ducts from 150 to 400
- High-efficiency mixed-flow impeller
- The casing is made of high-quality durable plastic

ISO-PRIMO

- Air flow up to 5 415 m³/h
- AC or EC motors
- Single-phase motors
- Round ducts from 200 to 400
- High-efficiency mixed-flow impeller
- The casing is made of galvanized steel with 30 mm of sound insulation

CENTRO-M

- Air flow up to 6 280 m³/h
- AC or EC motors
- Single-phase motors
- Round ducts from 100 to 450
- Centrifugal impeller with backward curved blades
- The casing is made of steel with a special polymer coating

BOX

- Air flow up to 11 190 m³/h
- AC or EC motors
- Single-phase or three-phase motors
- Centrifugal impeller with backward curved blades
- The casing is made of galvanized steel

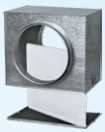
BOX-I

- Air flow up to 11 190 m³/h
- AC or EC motors
- Single-phase or three-phase motors
- Centrifugal impeller with backward curved blades
- The casing is made of galvanized steel with 50 mm of sound insulation

Accessories for round ducts for inline fans

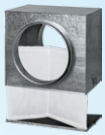
Silencer

SD



Filter

KFBK



Filter

KFBV

Heater

EKH

Heater

WKH

Backdraft damper

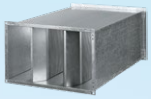
VRV

Air damper

VK

Clamps

Accessories for rectangular ducts for inline fans



Fixing bracket

SD

Sleeve

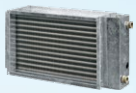
KFBK

Flexible connector

KFBT

Flexible connector

EKH



Heater

WKH

Air flow regulator

SL

Flexible connectors

EVA

Speed control switches

CDP-2/5(3/5)

Speed controllers for fans equipped with EC motors

CDT E1.8

Speed controllers for fans equipped with AC motors

Thyristor speed controllers for smooth control

CDT1 E

CDT E/0-10

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