



Die Luftreiniger



AirCut series

A FIRM HOLD ON THE CUTTING PROCESS

Benefits:

- ✓ Plug & play ready to cut within one day
- ✓ CAD/CAM software inclusive
- ✓ High quality at an attractive purchase price
- ✓ Particularly suited for small and medium-sized companies

www.teka.eu/AirCut



PLASMA CUTTING SYSTEM AIRCUT: SUCCESS BY PRECISION

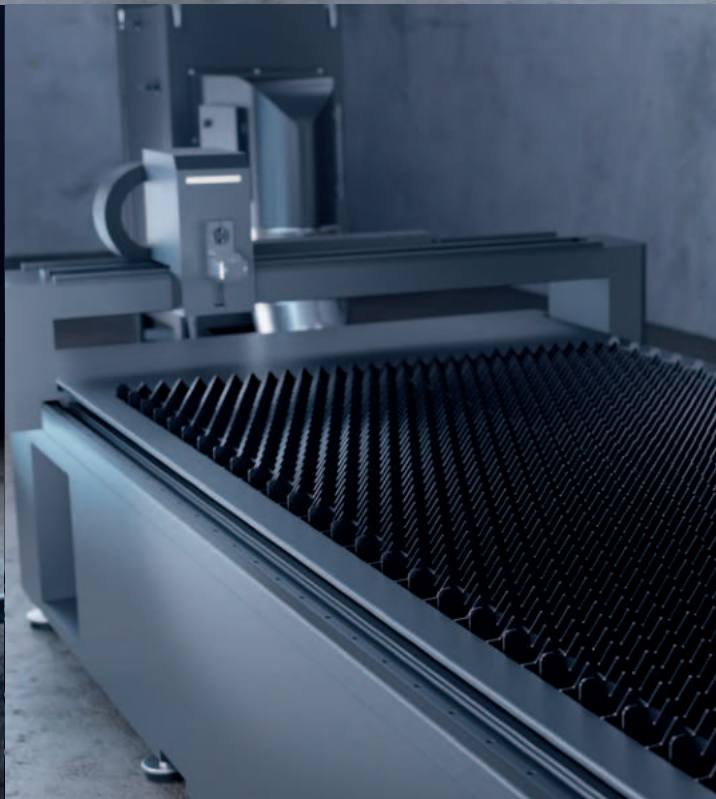


The **TEKA AirCut plasma cutting system** offers an **efficient and precise solution** for the metalworking industry. Equipped with a sturdy flame cutting table, intuitive controller and the TEKA EcoCube filter system, **it convinces with quality and ease of use** at moderate cost. The robust design and the precise rack and pinion drive guarantee **stability and a long service life**.

Highlights:

- **Robust flame cutting table** made of welded structural steel for maximum stability
- Linear rails and bearings by Hiwin with automatic lubrication systems for **precise movements**
- Energy chains protected **against sparks and dirt**
- **Helical gearing** in all X-Y transmission systems **for high accuracy**
- Steel cutting grid surface with **quick-change system**
- **Automatic suction table** with section control for a clean working environment
- **Integrated interface** for remote start and power supply of the filter system
- **Powerful servo motors by Panasonic** 400W for Y, X axes and 200W for Z axis
- **Free-standing control terminal** with industrial PC, 19" screen and I5 processor
- **CAD CAM software** for operation **incl. component library, quick nesting and pipework design plugin**
- **Status LED display** at the guiding machine for operations over-view
- **Collision protection system** for the burner tip
- **Automatic cutting height adjustments** for even cuts
- **Analogue interface for Hypertherm and Kjellberg** power sources
- **Panasonic I4C InfoHub** with cloud access
- **Industrie 4.0 connection** via OPC-UA and MQTT services





TECHNICALLY CONVINCED EVERYTHING AT A GLANCE



TECHNICAL DATA AirCut medium format

Effective cutting surface	1250mm x 2500mm
Number of tools	1x plasma cutting head
Cutting processes	Air plasma
Max. material thickness	depending on power source
Positioning speed	up to 40,000 mm/min.
Positioning accuracy	DIN 28206 / ≤ 0.15 mm/m
Drive / guide X, Y axes	Linear guides, driven on both sides and helical toothed racks
Drive / guideway Z axis	Ball screw
Profile design	solid steel portal

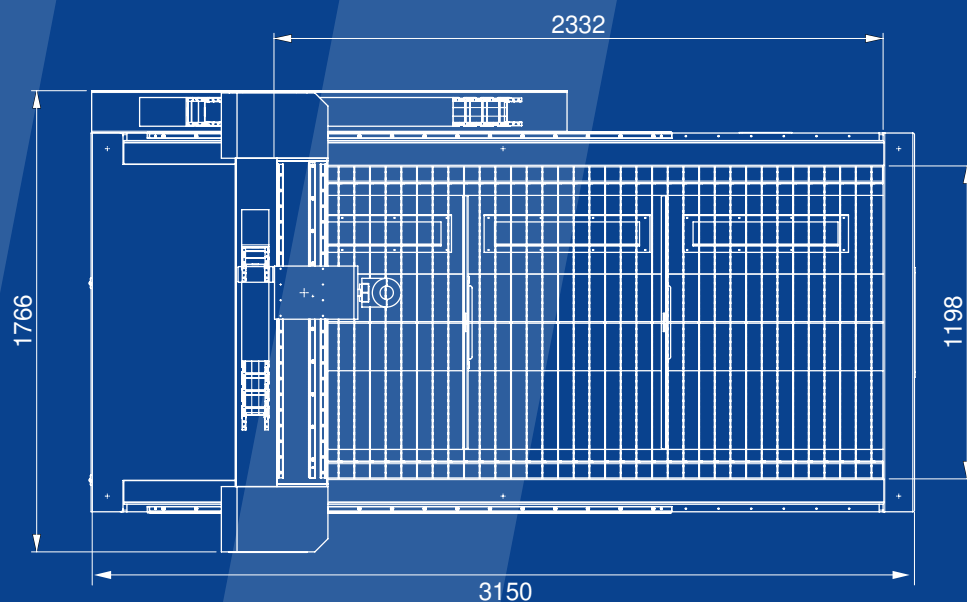
Control & software	Integrated CNC-CAD-CAM software Intel Core I5
Main control panel	ergonomic 17" touchscreen operator panel
Interface for filter system	Available (control, supply line)
Colour	RAL 7016
Supply voltage	400V/50
Current consumption	11.5 A
Power supply cable	16A CEE
Type of current	3Ph+N+PE

TECHNICAL SPECIFICATION AirCut large format

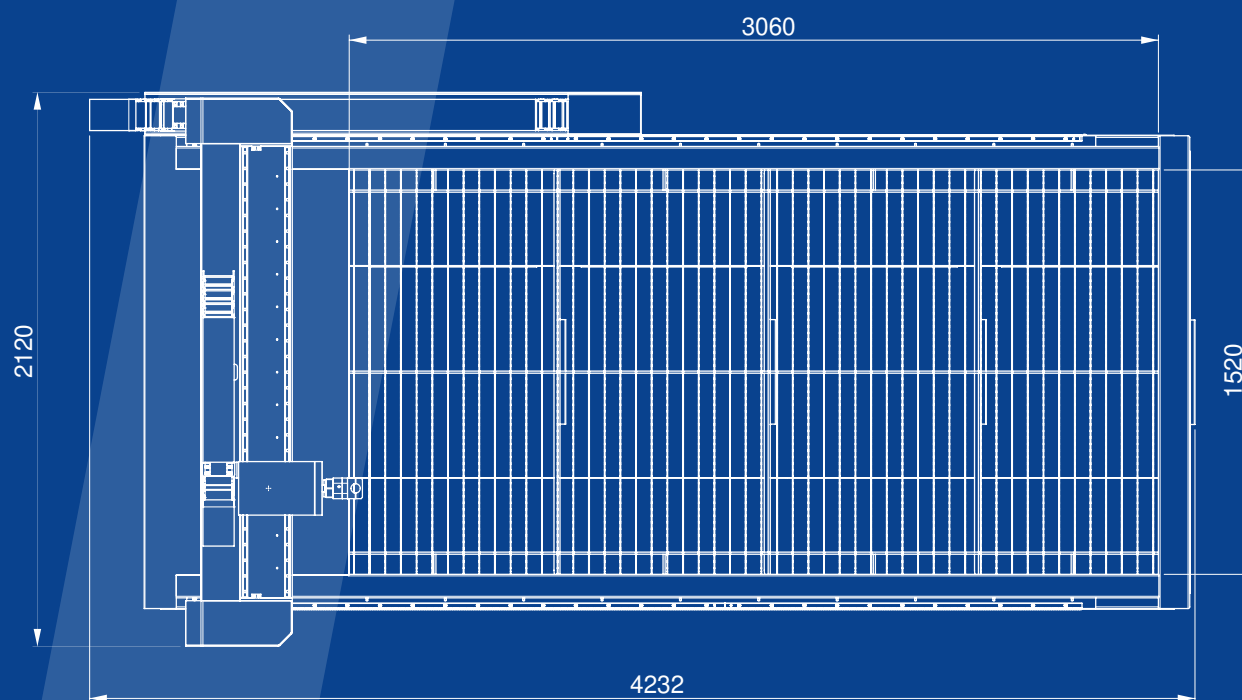
Effective cutting surface	1520mm x 3060mm
Number of tools	1x plasma cutting head
Cutting processes	Air plasma
Max. material thickness	depending on power source
Positioning speed	up to 40,000 mm/min.
Positioning accuracy	DIN 28206 / ≤ 0.15 mm/m
Drive / guide X, Y axes	Linear guides, driven on both sides and helical toothed racks
Drive / guideway Z axis	Ball screw
Profile design	solid steel portal

Control & software	Integrated CNC-CAD-CAM software Intel Core I5
Main control panel	ergonomic 17" touchscreen operator panel
Interface for filter system	Available (control, supply line)
Colour	RAL 7016
Supply voltage	400V/50
Current consumption	14.5 A
Power supply cable	16A CEE
Type of current	3Ph+N+PE

TECHNICALLY CONVINCED EVERYTHING AT A GLANCE



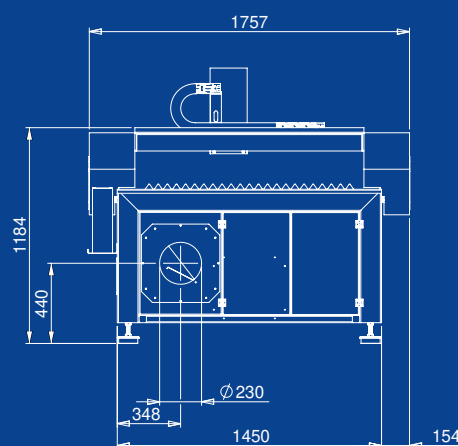
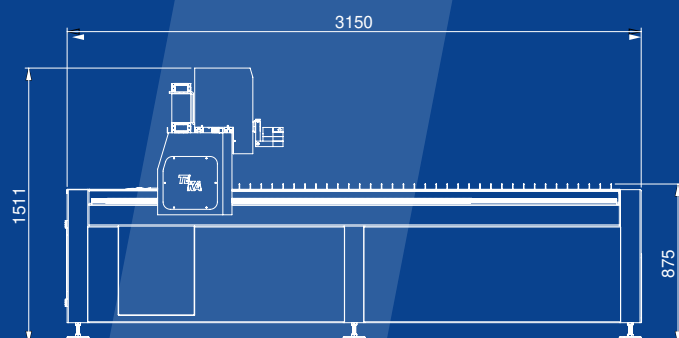
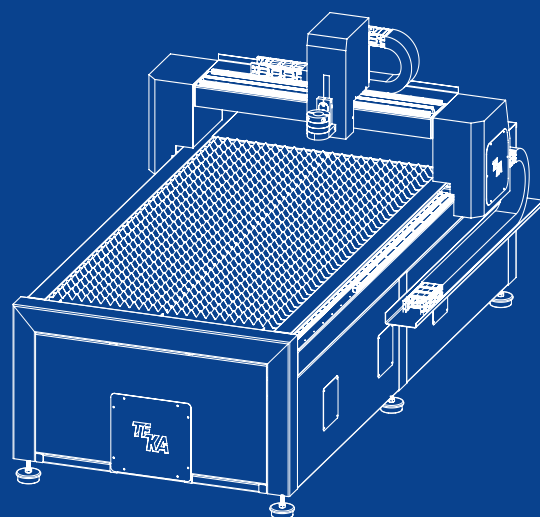
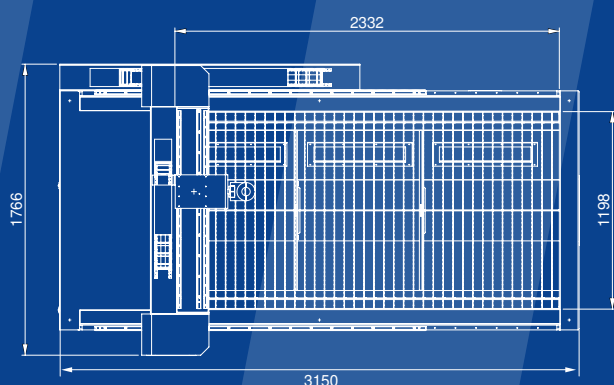
AirCut medium format



AirCut large format

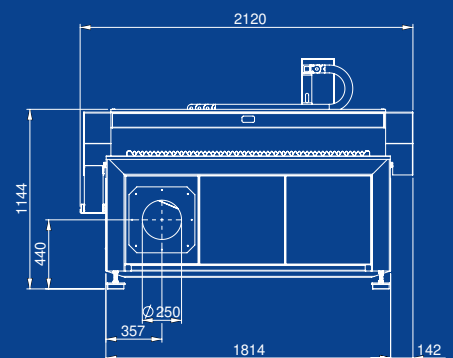
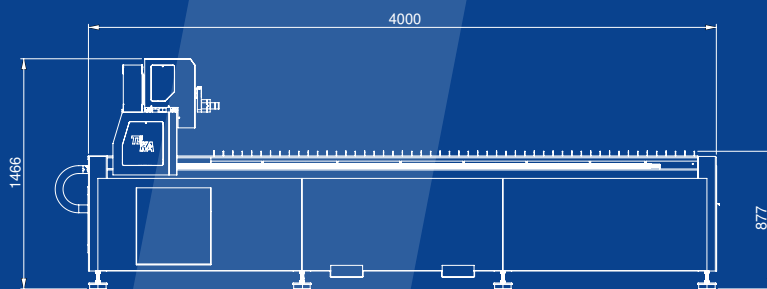
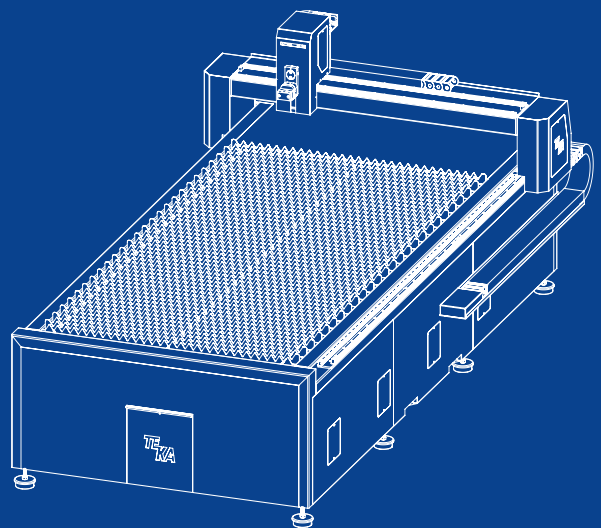
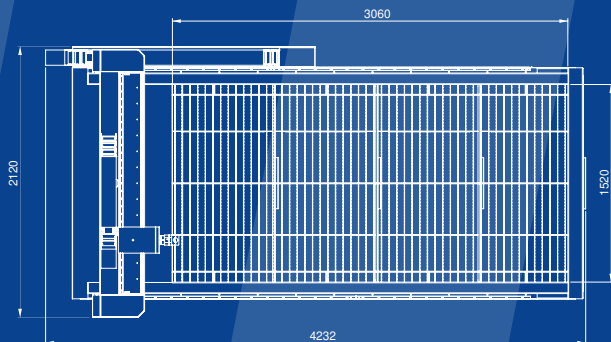
TECHNICALLY CONVINCED

AirCut MEDIUM FORMAT



TECHNICALLY CONVINCED

AirCut LARGE FORMAT



**Everyone
has a right
to clean air.**

THE FILTER SYSTEM: FOR NEAT CUTTING RESULTS



Reliable performance

Thanks to an active suction performance adjustment during the cutting process



Fast setup

Assembly possible in less than half an hour without any prior knowledge



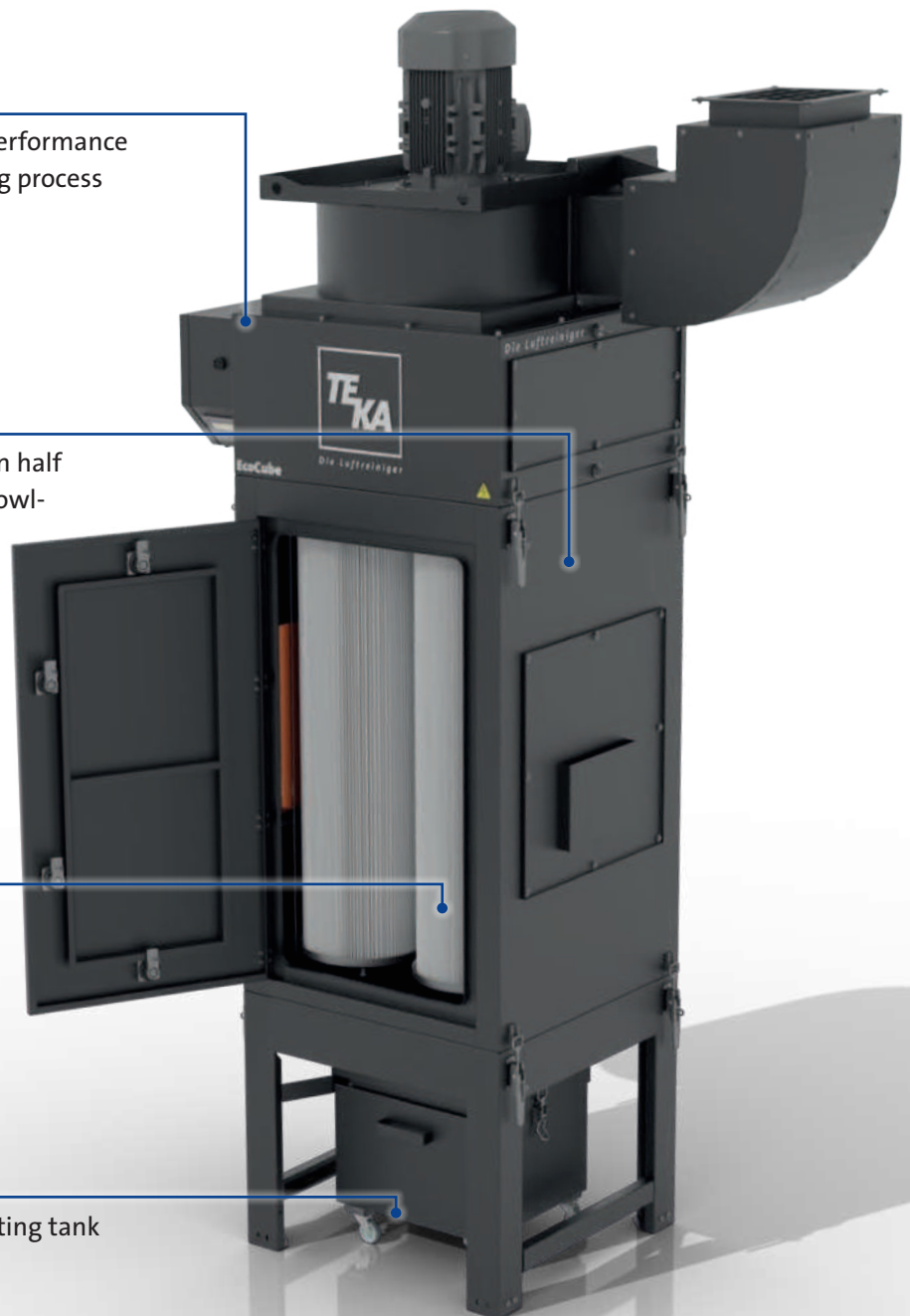
Large filter surface area

4x 25 m² filter cartridges with nano fibre layer for maximum filter service life



Foolproof dust disposal

Thanks to rollable dust collecting tank incl. quick-release fasteners



TECHNICALLY CONVINCED EVERYTHING AT A GLANCE



TECHNICAL DATA EcoCube 5.5 kW

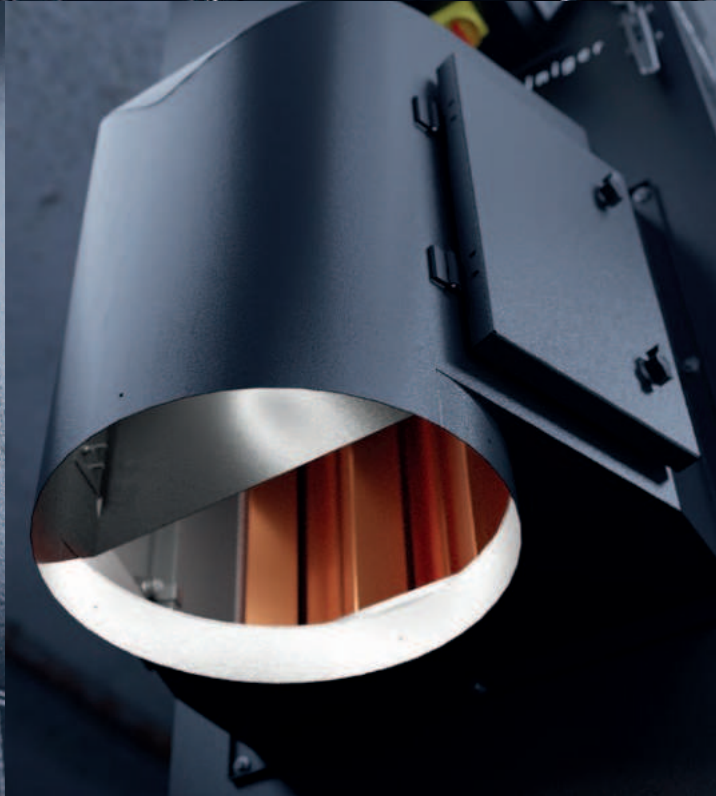
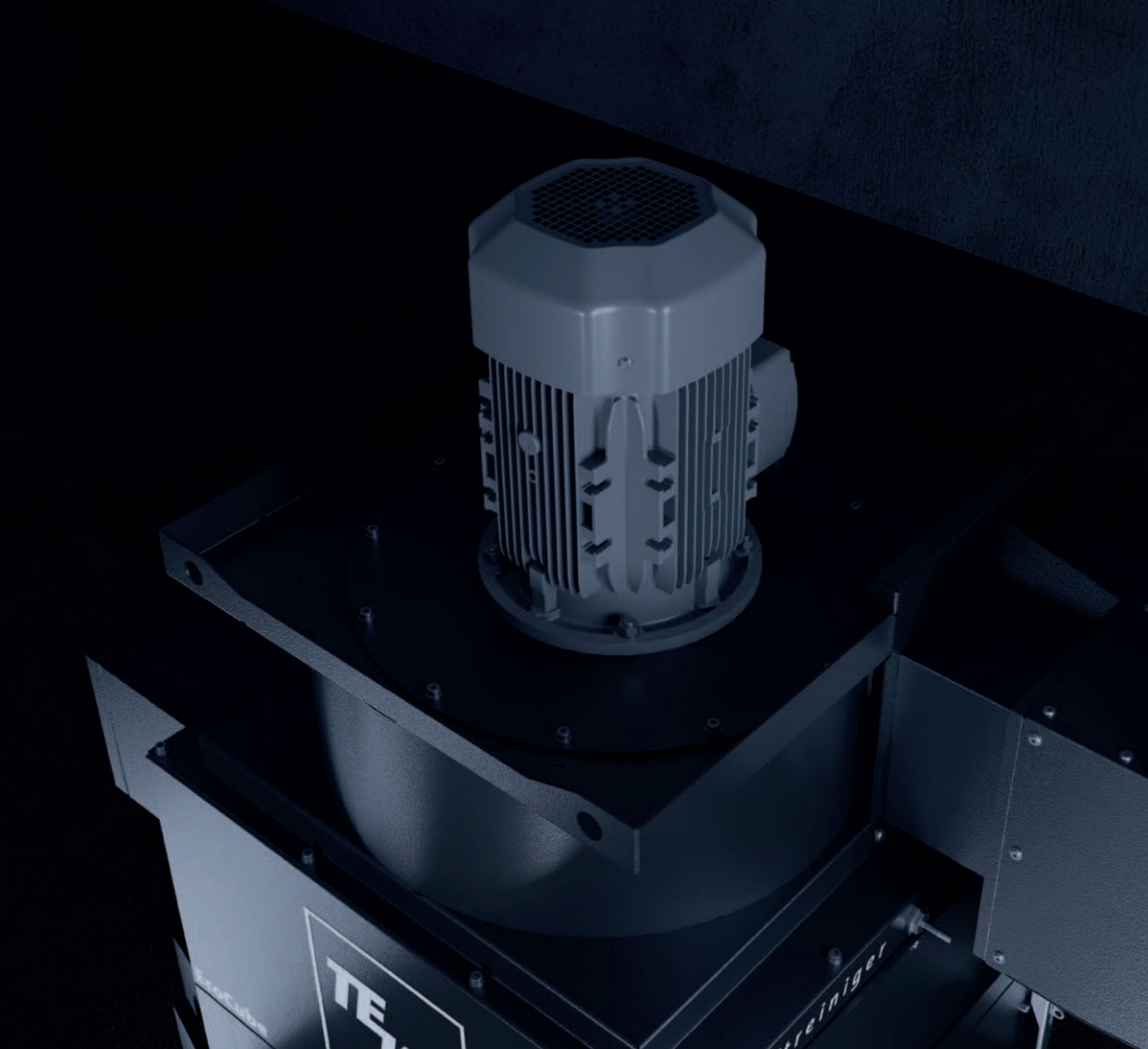
medium to be filtered	dry, grease-free or oil-free dust / smoke
Filter stages	1
Filter surface area	4x 25 m ²
Filter cartridge	BIA M, nanotechnology
Degree of separation	≥ 99 %
Cleaning	automatic
max. fan performance	4500 m ³ /h
Motor rating	5.5 kW
Supply voltage	400 V / 480 V
Mains frequency	50 Hz / 60 Hz
Current consumption	11.5 A

Type of current	3Ph+N+PE
Fan installation	on the system, incl. silencer duct bend, right-hand side
Motor control	Frequency converter
Noise level	75 dB(A)
Dimensions (W x D x H)	865 x 682 x 2778 mm
Colour	RAL 7016
Suction nozzle	NW 250 mm via intake duct, left-hand side
Exhaust	via silencer duct bend

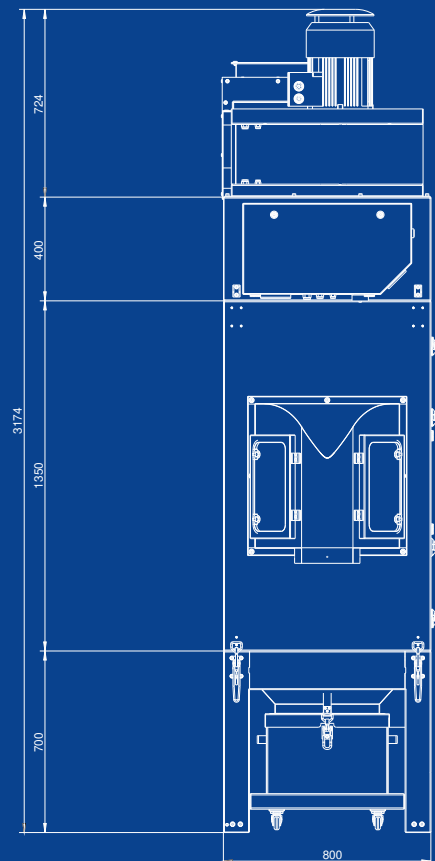
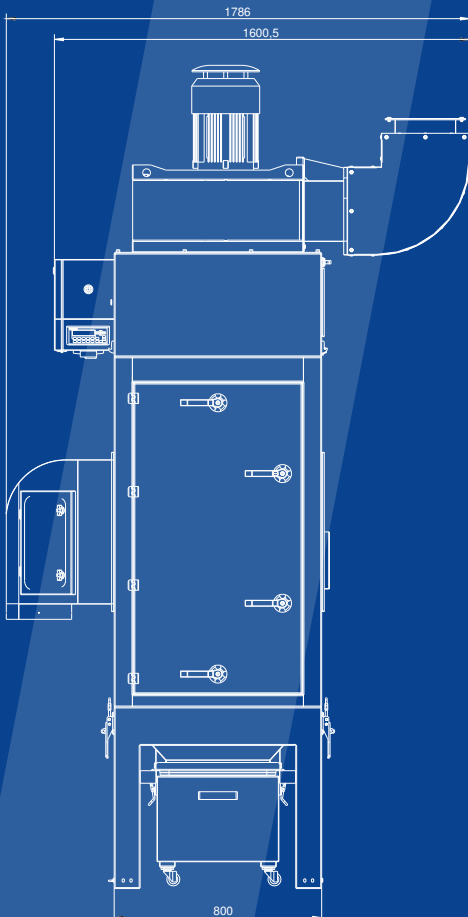
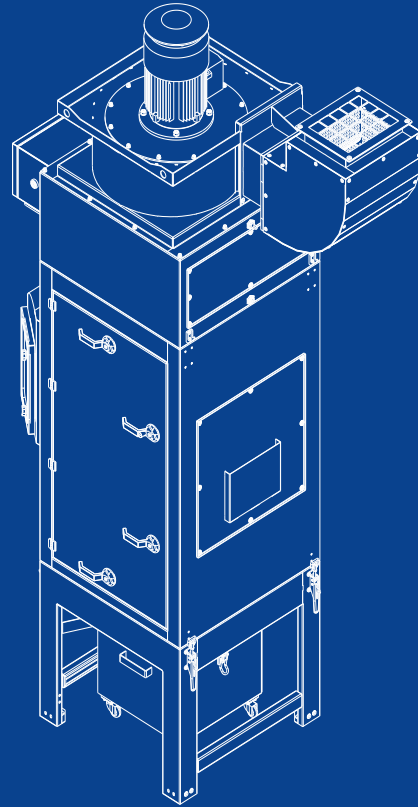
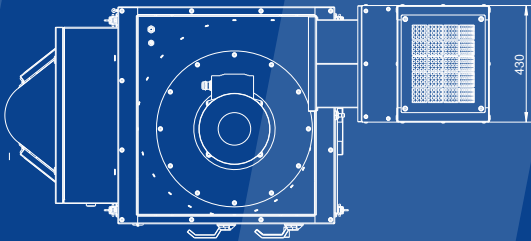
TECHNICAL SPECIFICATIONS EcoCube 7.5 kW

medium to be filtered	dry, grease-free or oil-free dust / smoke
Filter stages	1
Filter surface area	4x 25 m ²
Filter cartridge	BIA M, nanotechnology
Degree of separation	≥ 99 %
Cleaning	automatic
max. fan performance	7000 m ³ /h
Motor rating	7.5 kW
Supply voltage	400 V / 480 V
Mains frequency	50 Hz / 60 Hz
Current consumption	14.5 A

Type of current	3Ph+N+PE
Fan installation	on the system, incl. silencer duct bend, right-hand side
Motor control	Frequency converter
Noise level	75 dB(A)
Dimensions (W x D x H)	865 x 682 x 2778 mm
Colour	RAL 7016
Suction nozzle	NW 400 mm via intake duct, left-hand side
Exhaust	via silencer duct bend



TECHNICALLY CONVINCED EVERYTHING AT A GLANCE



TECHNICALLY CONVINCED EVERYTHING AT A GLANCE



ORDERING DATA

Item No.	Design
924500	TEKA AirCut medium format incl. filter system EcoCube 5.5 kW
927000	TEKA AirCut large format incl. filter system EcoCube 7.5 kW
9245001	TEKA AirCut medium format
9270001	TEKA AirCut large format
20170050	Filter system EcoCube 5.5 kW
20170070	Filter system EcoCube 7.5 kW

SPARE PARTS

Item No.	Design
6161200325308	Filter cartridge, type "easy clean nano", 25.3m ² (Ø327 x 1200 mm)
5020007079	Filter mats for ventilation grille (10 pieces)
10030251702	PE bag for the disposal of filter cartridges (4 pieces)
100302501	PE bag for insertion in dust collecting tank (10 pieces)
9400000010	Spare seal for displacer (Ø30 mm / 10 pieces)
999204	Particle sensor (detector head)

OUR 14 REASONS TO PURCHASE A TEKA PRODUCT

**Solution oriented:**

We don't see the problem, we find the solution.

**Customer focus:**

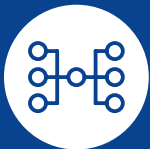
Together we develop suitable solutions, customised specifically for you.

**Reliable products:**

Performance and functionality take centre stage.

**Sustainability:**

Environmentally friendly production is important to us.

**Qualified advice on site:**

Our dealer network offers competent support.

**Strong partners:**

Benefit from the expertise of our partners in various areas.

**Complete service:**

We accompany you from consultation to maintenance.

**Almost 30 years of experience:**

We are the world market leader in filter and extraction technology.

**Versatile in use:**

Our products are suitable for all applications and industries.

**Legal compliance:**

We help you to comply with legal requirements.

**Employee health:**

Our solutions reduce the risk of dangerous long-term illnesses.

**Employer attractiveness:**

Clean workplaces are a basic requirement for basic equipment for skilled workers.

**Employee motivation:**

Healthy employees are more motivated.

**Cost reduction:**

Clean environments protect machines and reduce maintenance costs

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