

AirDome

Art. No.: 390 655



Applications

- Workshops where local exhaust ventilation is not possible
- To complement local exhaust ventilation systems
- Environments with changing sources of smoke and dust
- Workstations, Workshops, Logistic and distribution centres
- Energy-saving general ventilation

Properties

- EC fans with IE5 motors exceed legal efficiency requirements and set new standards in energy efficiency
- Automatic filter cleaning
- Available in different voltage versions
- Hardly any air turbulence enables work in the immediate vicinity without draughts
- Lifting eyes & forklift pockets
- Optimised air routing ensures low noise levels and increased efficiency
- Effective baffle plates for spark pre-separation
- Contamination -free dust disposal in one-way containers.
- Displacement flow principle, recommended by health and safety bodies

Benefits

- State-of-the-art EC technology adapts to demand and therefore runs particularly energy-efficiently - saves operating costs and protects the environment
- Optimum capture height - extraction takes place at the exact height at which the welding fumes accumulate
- Space-saving, innovative design - minimum footprint with maximum performance
- Status check via large illuminated display (optional) - For easy monitoring of the operating status
- A space-saving miracle with an extreme 20,000 m³/h extraction capacity on a 1.5 m² footprint
- Extremely easy to maintain thanks to maintenance-free fans and convenient access thanks to the large maintenance door
- Extremely high volume flow - ideal for demanding applications
- Low risk potential due to foreign bodies
- Constant air flow guarantees a constant level of clean air
- Safe transport and easy installation thanks to lifting eyes & forklift pockets
- Minimization of heating costs due to air recirculation and air distribution
- Enormously long filter lifetime due to optimised air flow
- Increased safety with contamination-free dust disposal
- Cost-effective installation or retrofit, as no ductwork is needed
- Permanent operation by means of automatic dust disposal in dust collection bin

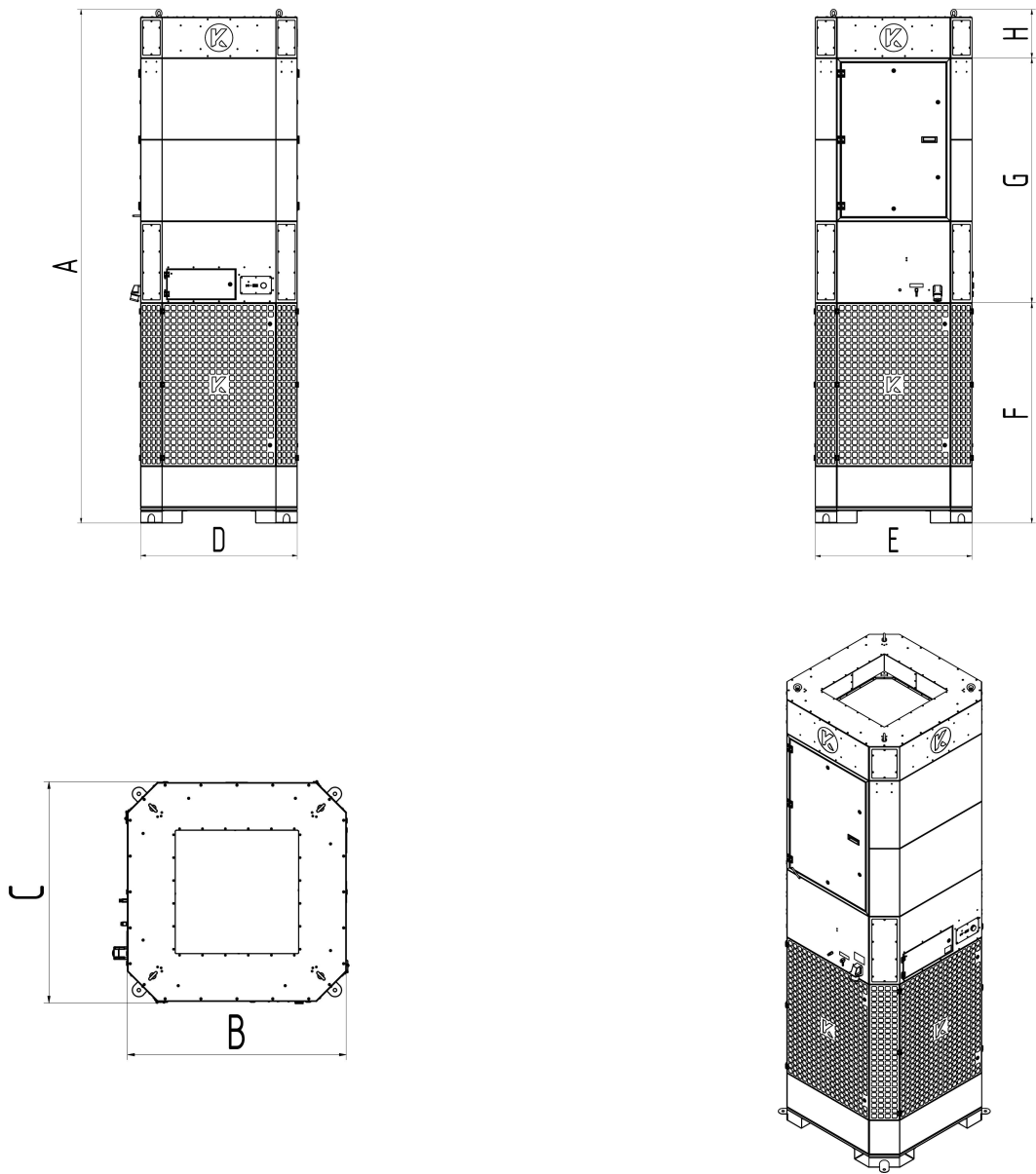
Mode of operation

- Intake of ambient air via built-in EC fans
- The filtered, clean air exits at the bottom of the system with low momentum in a 360° radius
- The warm cleaned air directs the welding smoke again towards the inlet grills and so, a slow air circulation and at the workstations is created.



Technical Data

Filter	
Filter stages	1
Filter method	Cleanable filter
Filter cleaning method	Rotating nozzle
Filter surface	30 m ²
Number filter elements	6
Filter surface total	180 m ²
Filter material	KemTex® ePTFE membrane
Filter efficiency	> 99,9 %
Dust classification	M
Basic data	
Max. fan performance	28000 m ³ /h
Extraction capacity	8000 - 20000 m ³ /h
Dimensions (w x t x h)	1250 x 1250 x 4038 mm
Weight	875 kg
Motor power	15,4 kW
Power supply	3 x 460 V / 60 Hz
Rated current	23,5 A
Control voltage	24 V, DC
Noise level	72 dB(A)
Additional information	
Fan type	Radial fan, direct driven
Compressed air supply	5 - 6 bar
Capacity Dust collection container	30 l



Technical Data

Dimensions	
A	4100 mm
B	1344 mm
C	1268 mm
D	1250 mm
E	1250 mm
F	1758 mm
G	1952 mm
H	390 mm