

# ELBARON®

## TECHNICAL DATA SHEET



ELBARON® hall extraction system  
Series : E-RON4SECHU, E-RON4D1ECHU, E-RON4D2ECHU

# ELBARON® hall extraction system

## Electrostatic Air Cleaner



### properties

model	ELBARON®
device type	E-RON4SECHU, E-RON4D1ECHU, E-RON4D2ECHU
filtration method	elektrostatic
machine workspace size	large to very large
filter control	analog
airflow	horizontal

### extraction

mirror-image version optional	yes
extraction type standard	hose nozzle (d=optional)
extraction type optionally	pipe connector with flange (Jacob)
Extraction capacity * (measured at the connector)	1300 - 2080 m <sup>3</sup> /h
self-suction	2220 m <sup>3</sup> /h
with nozzle diameter D=150mm	1300 m <sup>3</sup> /h
with nozzle diameter D=200mm	1740 m <sup>3</sup> /h
with nozzle diameter D=250mm	1960 m <sup>3</sup> /h
with nozzle diameter D=300mm	2080 m <sup>3</sup> /h
with nozzle diameter D=350mm	-

### filter configuration

pre-filter 1	1x aluminum knit 40mm
pre-filter 2	-
pre-filter 3	-
pre-filter optional	1 x PRE-PAC 2   3-piece pre-filter package
main filter 1	1 or 2 electrostatic ionizer/collector stages
main filter 2	-
main filter optional	-
secondary filter 1	1x aluminum knit 20mm
secondary filter optional	1 x secondary filter up to 40mm
secondary filter 1	1 x H13 particulate filter
secondary filter 2	1 x acti. carbonfilter
fan technology	EC-Technology

### technical specifications

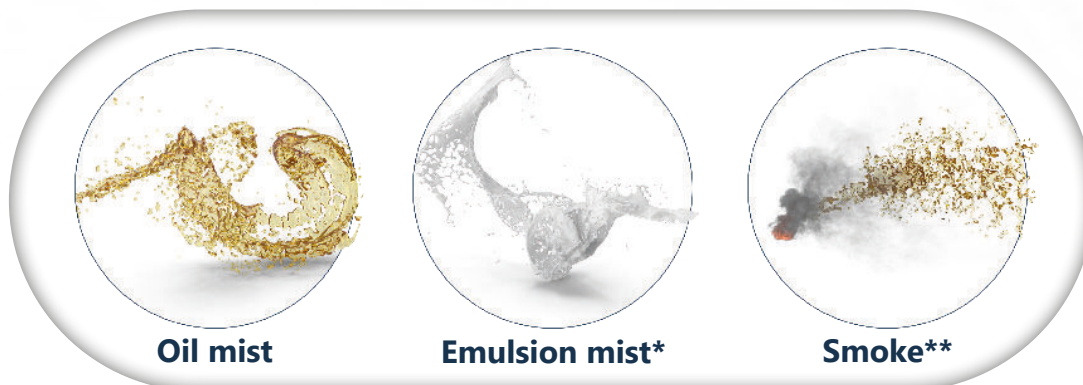
fan controll	elektric
total power consumption *	0,62 kW
operating voltage **	400 V   50/60 Hz 3PH + PE
protection rating according to DIN EN 60529	IP 54
Noise level*	65 db(A)
Dimensions L   W   H	975   508   545 mm
Weight	90 kg
Standardfarbe ***	RAL 7035 lichtgrau

\* Dependent on the connector diameter

\*\* Special voltage available on request

\*\*\* Special color available on request

### common use case:



**Oil mist**

**Emulsion mist\***

**Smoke\*\***

\* For water-miscible cooling lubricants with higher mineral oil content

\*\* We recommend a 2-stage duplex unit

# ELBARON<sup>®</sup> hall extraction system

## Electrostatic Air Cleaner



### EC radial fan

### backward curved

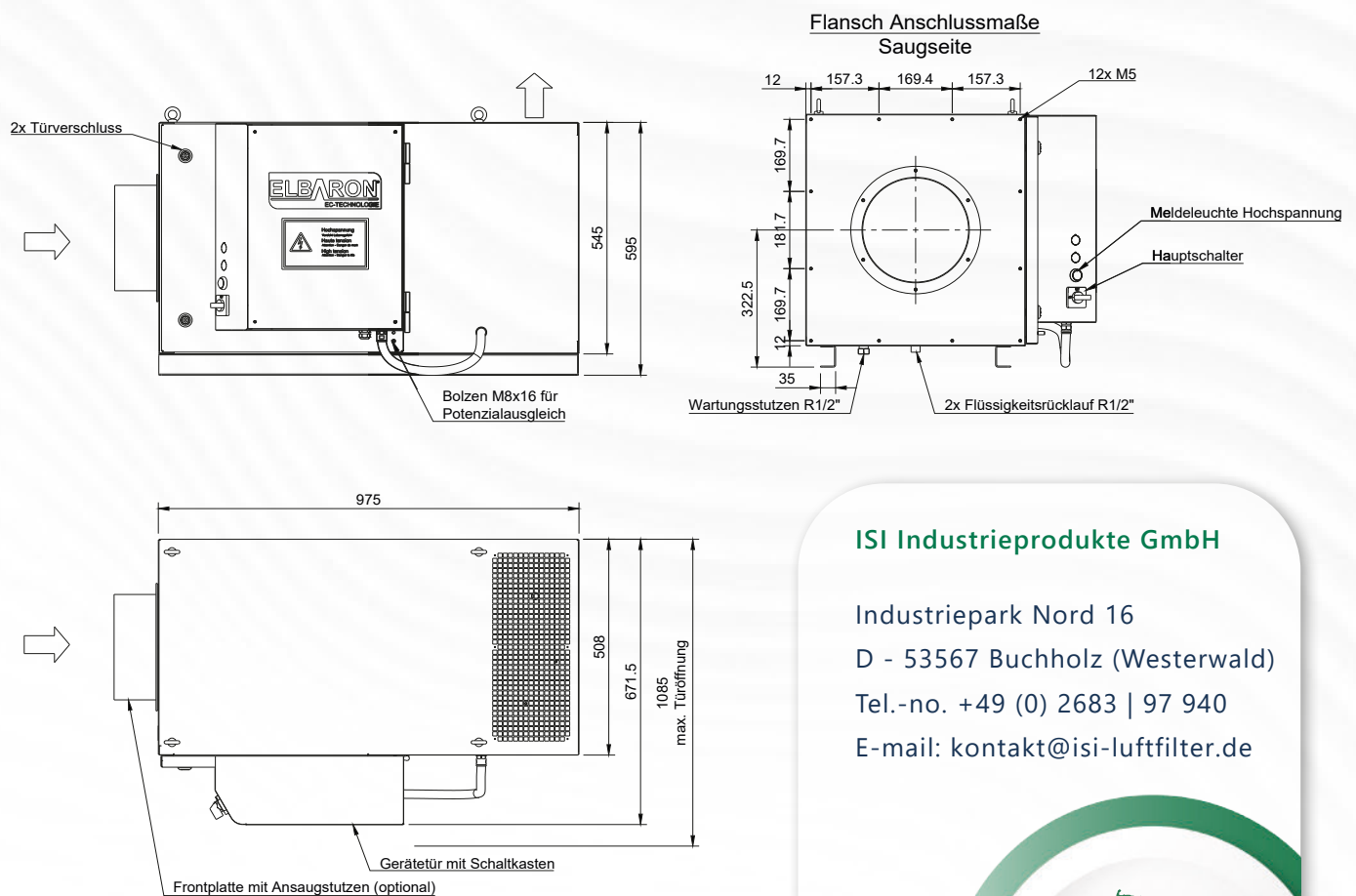
fan type

ebm-papst

Data according to the Ecodesign Regulation: EU 327/2011 ( EN 17166 )

	actual condition	guideline 2015
01 Overall efficiency $\eta_{es}$	63,40%	50,40%
02 Installation category	A	
03 Efficiency category	static	
04 Efficiency class N	75	62
05 Speed control	yes	

### Technische Zeichnung



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