

MOBILE PURE AIR DUST EXTRACTORS

AL-KO POWER UNIT

**SAVE
ENERGY**

**YOUR ASSET
AT WORK.**

**MADE
IN
GERMANY**

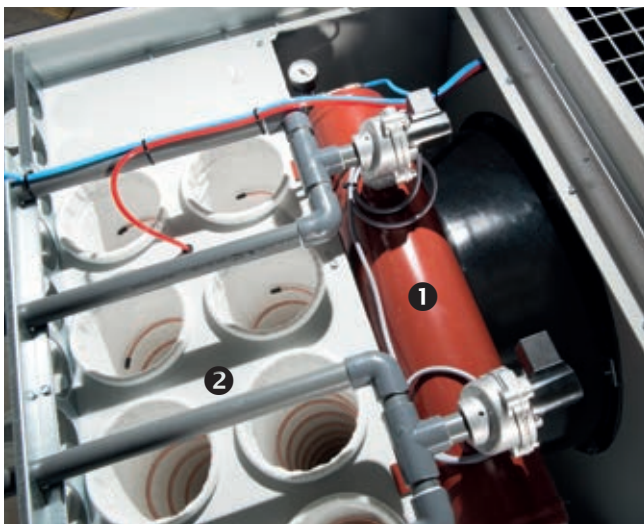
A REAL ASSET AT WORK – AL-KO POWER U

AL-KO PURE AIR DUST EXTRACTORS

Mobile extraction devices from AL-KO combine high reliability with a compact and space-saving design. They create ideal production conditions with healthy air in the workplace, are unusually quiet and help to achieve significant cost savings. All sizes are designed to offer the optimum combination of maximum extraction power and the lowest possible energy consumption. Furthermore, the tried-and-tested AL-KO OPTI JET process guarantees filter cleaning, and consequently increased filter service life. They are delivered ready for connection, all that is required is to insert the swarf bag.

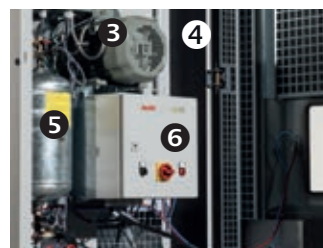
The advantages for you:

- | High extraction performance
- | Compact design
- | 100% air recirculation without loss of temperature (residual dust < 0.1 mg/m³)
- | Integrated pre-separator and extendible control system
- | Optimum filter dedusting
- | Minimal noise level



- ❶ Large air surge tank with fast diaphragm valves for optimum JET filter cleaning and lowest use of compressed air
- ❷ Filter bag made of antistatic polyester needle felt material (BGIA-tested for dust class M) as standard with snap ring lock for easy handling

- ❸ Energy-efficient motors according to IE2 as standard
- ❹ Low-maintenance automatic fire extinguishing system with manual and automatic operation (standard with POWER UNIT 250 and 300)
- ❺ Sound-insulated air recirculation for optimum noise emission values
- ❻ PLC control from size 140 onwards; manual and automated operation possible; can be extended with many options (e.g. machine recognition; slide valve control; frequency controlled operation and many more functions besides)
- ❼ Viewing window for easy fill level check
- ❽ Ergonomically shaped clamping lever for simple container locking



NIT MOBILE PURE AIR DUST EXTRACTORS



AL-KO POWER UNIT 100 / 120

Technical data	100	100	120	120 M**
Extraction nozzles	100 mm	100 mm	120 mm	120 mm
Nominal motor rating	1.1 kW / 1 Ph	1.5 kW / 3 Ph	1.5 kW / 3 Ph	1.5 kW / 3 Ph
Voltage	230 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Max. flow rate	790 m³ / h	790 m³ / h	1,140 m³ / h	1,140 m³ / h
Nominal flow rate*	565 m³ / h	565 m³ / h	814 m³ / h	814 m³ / h
Vacuum at nominal flow rate	2,033 Pa	2,122 Pa	2,180 Pa	2,180 Pa
Filter area	4.1 m²	4.1 m²	5.1 m²	5.1 m²
Swarf collection capacity	approx. 135 L	approx. 135 L	approx. 135 L	approx. 135 L
Sound pressure level***	75 dB(A)	75 dB(A)	75 dB(A)	75 dB(A)
Dimensions (L / W / H) in mm	1,178 x 650 x 1,973	1,178 x 650 x 1,973	1,178 x 650 x 1,973	1,178 x 650 x 1,973
Weight	approx. 114 kg	approx. 116 kg	approx. 117 kg	approx. 121 kg

*GS-H0-07

** M – Version with automatic filter dedusting and machine detection

*** Free sound field measurement according to DIN EN 11201



AL-KO POWER UNIT 140 / 160

Technical data	140 P / 140 H	160 K**	160 P / 160 H
Extraction nozzles	140 mm	160 mm	160 mm
Nominal motor rating	2.2 kW / 3 Ph	2.2 kW / 3 Ph	2.2 kW / 3 Ph
Voltage	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Max. flow rate	1,600 m³ / h	2,000 m³ / h	2,000 m³ / h
Nominal flow rate*	1,108 m³ / h	1,448 m³ / h	1,448 m³ / h
Vacuum at nominal flow rate	2,591 Pa	2,503 Pa	2,503 Pa
Filter area	6.3 m²	9.1 m²	9.1 m²
Filter dedusting	Pressurised air / manual	Pressurised air	Pressurised air / manual
Swarf collection capacity (net / gross)	165 L / 241 L	165 L / 241 L	165 L / 241 L
Sound pressure level***	69 dB(A)	69 dB(A)	69 dB(A)
Dimensions (L / W / H) in mm	1,688 x 830 x 2,050	1,688 x 830 x 2,050	1,688 x 830 x 2,050
Weight	330 / 320 kg	350 kg	340 / 330 kg

*GS-H0-07

** K – integrated compressor

*** free sound field measurement according to DIN EN 11201



AL-KO POWER UNIT 200

Technical data	200 P	200 P-BP	200 P-ZRS
Extraction nozzles	200 mm	200 mm	200 mm
Nominal motor rating	3.0 kW / 3 Ph	3.0 kW / 3 Ph	3.0 kW / 3 Ph
Voltage	400V / 50Hz	400V / 50Hz	400V / 50Hz
Max. flow rate	3,010 m³ / h	3,010 m³ / h	3,010 m³ / h
Nominal flow rate*	2,262 m³ / h	2,262 m³ / h	2,262 m³ / h
Vacuum at nominal flow rate	2,174 Pa	2,174 Pa	2,174 Pa
Filter area	13.8 m²	13.8 m²	13.8 m²
Filter dedusting	Pressurised air	Pressurised air	Pressurised air
Swarf collection capacity (net / gross)	2 x 165 L / 2 x 241 L	Briquette press	Rotary lock valve
Sound pressure level***	72 dB(A)	72 dB(A)	72 dB(A)
Dimensions (L / W / H) in mm	2,268 x 830 x 2,050	2,268 x 1,314 x 2,467	2,268 x 836 x 2,607
Briquette / star feeder performance	–	30 – 40 kg / h**	15,816 L / h**
Briquette diameter	–	40 mm	–
Weight	460 kg	950 kg	550 kg

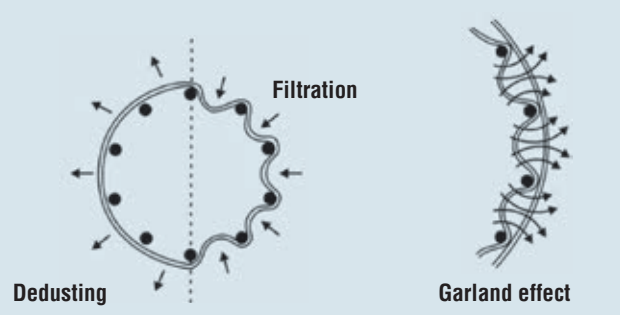
* GS-HO-07 ** depending on the material *** free sound field measurement according to DIN EN 11201

THE AL-KO HIGH-PERFORMANCE FILTER SYSTEM "AL-KO OPTI JET"



The advantages for you:

- I Raw air impacts onto the filter element from the outside
- I "Real" surface filtration by special treatment of the filter surface
- I Latest BIA test certificates for dust class M
- I Improved cleaning by injection – longer filter service life
- I Optimum air permeability
- I Filter electrically conductive as standard





AL-KO POWER UNIT 250

Technical data	250 P	250 P-BP	250 P-ZRS
Extraction nozzles	250 mm	250 mm	250 mm
Nominal motor rating	6.5 kW / 3 Ph	6.5 kW / 3 Ph	6.5 kW / 3 Ph
Voltage	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Max. flow rate	4,900 m³ / h	4,900 m³ / h	4,900 m³ / h
Nominal flow rate*	3,534 m³ / h	3,534 m³ / h	3,534 m³ / h
Vacuum at nominal flow rate	2,451 Pa	2,451 Pa	2,451 Pa
Filter area	22.4 m²	22.4 m²	22.4 m²
Swarf collection capacity (net / gross)	2 x 250 L	Briquette press	Rotary lock valve
Sound pressure level***	72 dB(A)	72 dB(A)	72 dB(A)
Dimensions (L / W / H) in mm	2,305 x 1,058 x 2,351	2,305 x 1,329 x 2,609	2,305 x 1,058 x 2,796
Briquette / star feeder performance	–	30 – 50 kg / h**	15,816 L / h**
Briquette diameter	–	50 mm	–
Weight	758 kg	1,381 kg	728 kg

*GS-HO-07 ** depending on the material *** free sound field measurement according to DIN EN 11201



AL-KO POWER UNIT 300

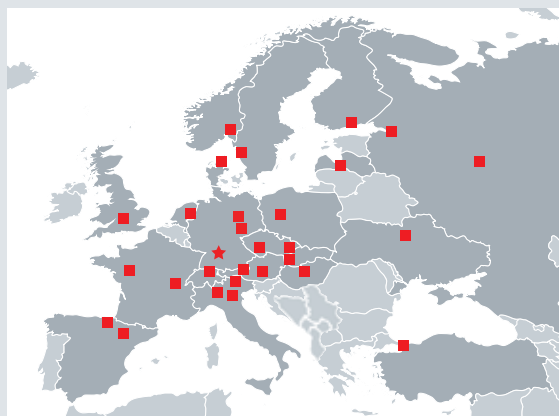
Technical data	300 P	300 P-BP	300 P-ZRS
Extraction nozzles	300 mm	300 mm	300 mm
Nominal motor rating	7.49 kW / 3 Ph	7.49 kW / 3 Ph	7.49 kW / 3 Ph
Voltage	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Max. flow rate	6,000 m³ / h	6,000 m³ / h	6,000 m³ / h
Nominal flow rate*	5,089 m³ / h	5,089 m³ / h	5,089 m³ / h
Vacuum at nominal flow rate	2,434 Pa	2,434 Pa	2,434 Pa
Filter area	30 m²	30 m²	30 m²
Swarf collection capacity (net / gross)	3 x 165 L / 3 x 241 L	Briquette press	Rotary lock valve
Sound pressure level***	71 dB(A)	71 dB(A)	71 dB(A)
Dimensions (L / W / H) in mm	2,985 x 1,058 x 2,351	2,985 x 1,352 x 2,803	2,997 x 1,058 x 3,013
Briquette / star feeder performance	–	50 – 70 kg / h**	15,816 L / h**
Briquette diameter	–	70 mm	–
Weight	952 kg	1,570 kg	920 kg

*GS-HO-07 ** depending on the material *** free sound field measurement according to DIN EN 11201

THE AL-KO GROUP – YOUR STRONG PARTNER!

In Europe alone, two million customers annually decide to purchase quality products from AL-KO. With 4,200 employees at 50 sites in Europe, the USA, Africa, Asia and Australia, our products are not only attractive and exciting for customers in Europe, they now attract customers from all over the world. Proof that products made in Europe have a future – if they are consistently based on innovation and superior quality.

Look to the future with us, and as our customer and partner profit from the performance, the quality and the security offered by the AL-KO brand in its business segments: AL-KO Vehicle Technology, AL-KO Garden + Hobby, AL-KO Air Technology.



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