




AL-KO
QUALITY FOR LIFE

MOBILE PURE AIR DUST EXTRACTORS

AL-KO POWER UNIT

MORE THAN CLEAN AIR



MADE IN GERMANY

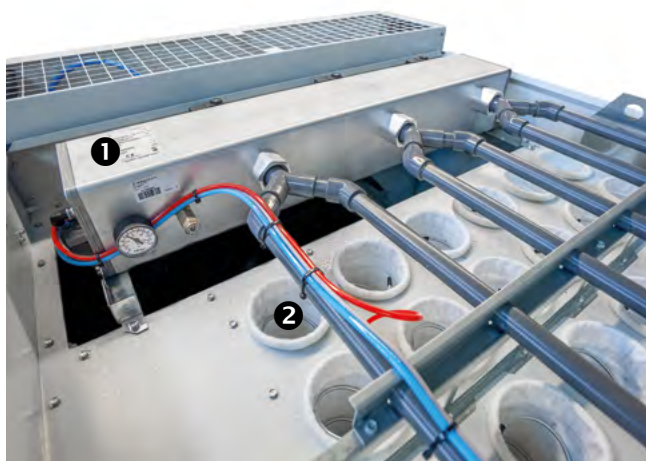
A REAL ASSET AT WORK – PURE AIR DUST EXTRACTOR

PURE AIR DUST EXTRACTOR POWER UNIT

- | Efficient and economical: Large air surge tank with fast diaphragm valves for effective OPTI JET® filter cleaning and lowest use of compressed air.
- | So simple and yet so effective: OPTI JET® dedusting and filter bag with snap ring lock.
- | Highly economical: energy-efficient motors according to IE3.
- | Safety in case of emergencies: Low-maintenance automatic fire extinguishing system (standard from POWER UNIT 250).
- | Completely calm: sound-insulated air recirculation by AL-KO.
- | All options are available: PLC control system for manual and automated operation (from POWER UNIT 160). Countless options from machine recognition to slide valve control and frequency-controlled operation to name but three.
- | No mess: container with window for visual checks.
- | Practical down to the last detail: container lock with ergonomic tension lever.
- | Retroactively extendable: Conversion to discharge via briquette press or rotary lock valve possible (from POWER UNIT 160).

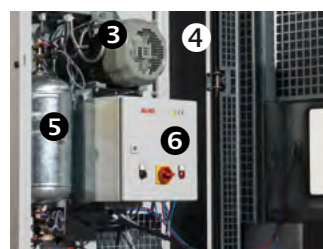
The benefits for you:

- | High extraction performance
- | Compact design
- | 100% air recirculation without loss of temperature (residual dust < 0.1 mg/m³)
- | Integrated pre-separator and extendable control system
- | Optimum filter dedusting
- | Minimal noise level
- | Patented filling level control
- | Certified automatic extinguishing device, easy to maintain
- | Dust compartment for dust-free container change (optional: safety lock of the containers)
- | Freely configurable assemblies, exchangeable and expandable



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

- 3 Energy-efficient motors according to IE3 as standard
- 4 Sound-insulated air recirculation for optimum noise emission values
- 5 Low-maintenance automatic fire extinguishing system with manual and automatic operation (standard with POWER UNIT 250, 300, 350 and 350*)
- 6 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)
- 7 Viewing window for easy fill level check
- 8 Ergonomically shaped clamping lever for simple container locking



TOR POWER UNIT

AL-KO POWER UNIT 100/120



NEW!

Type	100	120
Article - number	199 181	199 182
Intake socket	3.9"	4.7"
Nominal motor rating	1.5 kW / 2 hp	1.5 kW / 2 hp
Voltage	220 V / 3 Ph / 60 Hz	220 V / 3 Ph / 60 Hz
Max. flow rate	465 cfm	671 cfm
Nominal flow rate*	333 cfm	479 cfm
Vacuum at nominal flow rate	0.307 psi	0.316 psi
Filter area	44.1 ft ²	54.9 ft ²
Filter dedusting	manual	manual
Pre-separator	integrated	integrated
Swarf collection capacity	35.7 gal	35.7 gal
Sound pressure level**	69 dB(A)	71 dB(A)
Dimension (L/ W/ H)	47" x 26" x 78"	47" x 26" x 78"
Weight net	251 lb	258 lb

Other voltage or execution on request! * at 66.6 ft/s ** measurement inaccuracy 4 dB(A) according DIN EN ISO 11201, free-field measurement

AL-KO POWER UNIT 160



INCL. DUST COMPARTMENT

Type	160 H	160 P	160 K****
Article - number		199 185 01	
Intake socket	6.3"	6.3"	6.3"
Nominal motor rating	2.2 kW / 3 hp	2.2 kW / 3 hp	2.2 kW / 3 hp
Voltage	220 V / 3 Ph / 60 Hz	220 V / 3 Ph / 60 Hz	220 V / 3 Ph / 60 Hz
Max. flow rate	1,177 cfm	1,177 cfm	1,177 cfm
Nominal flow rate*	852 cfm	852 cfm	852 cfm
Vacuum at nominal flow rate	0.363 psi	0.363 psi	0.363 psi
Filter area	98 ft ²	98 ft ²	98 ft ²
Filter dedusting	Manual	pressurised air	Pressurised air
Pre-separator	Integrated	integrated	Integrated
Swarf collection capacity	63.7 gal	63.7 gal	63.7 gal
Sound pressure level**	70 dB(A)	69 dB(A)	70 dB(A)
Dimension (L/ W/ H)	71" x 33" x 81"	67" x 33" x 81"	67" x 33" x 81"
Weight net	728 lb	750 lb	772 lb

*According GS-HM-03 dusted

** Free sound field measurement according to DIN EN 11201

**** K – integrated compressor



AL-KO POWER UNIT 200

Type	200 P**	200 K ¹⁾	200 P-ZRS	200 P-BP 30-40
Art.no.	192 186 01			
Intake socket	7.87"	7.87"	7.87"	7.87"
Nominal motor rating	3.0 kW / 4 hp	3.0 kW / 4 hp	3.0 kW / 4 hp	3.0 kW / 4 hp
Voltage	220V/ 3Ph /60Hz	220V/ 3Ph/ 60Hz	220V/ 3Ph// 60Hz	220V/ 3Ph/ 60Hz
Max. flow rate	1,772 cfm	1,772 cfm	1,772 cfm	1,772 cfm
Nominal flow rate*	1,331 cfm	1,331 cfm	1,331 cfm	1,331 cfm
Vacuum at nominal flow rate	0.361 psi	0.361 psi	0.361 psi	0.361 psi
Filter area	148.5 ft ²	148.5 ft ²	148.5 ft ²	148.5 ft ²
Filter dedusting	Pressurised air	Pressurised air	Pressurised air	Pressurised air
Pre-separator	Integrated	Integrated	Integrated	Integrated
Swarf collection capacity	2 x 63.7 gal	2 x 63.7 gal	Rotary lock valve	Briquette press
Sound pressure level***	72 dB(A)	72 dB(A)	72 dB(A)	72 dB(A)
Dimensions (L / W / H)	91" x 33" x 81"	91" x 33" x 81"	91" x 33" x 103"	104" x 52" x 84"
Briquette / rotary lock valve performance	–	–	4.2 gal / h ²⁾	up to 90 lb / h ²⁾
Briquette diameter	–	–	–	1.6"
Weight net	1,014 lb	1,037 lb	1,213 lb	2,095 lb

*According GS-HM-03 dusted

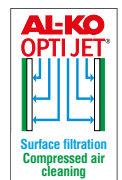
**On stock

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

¹⁾ Compressor integrated

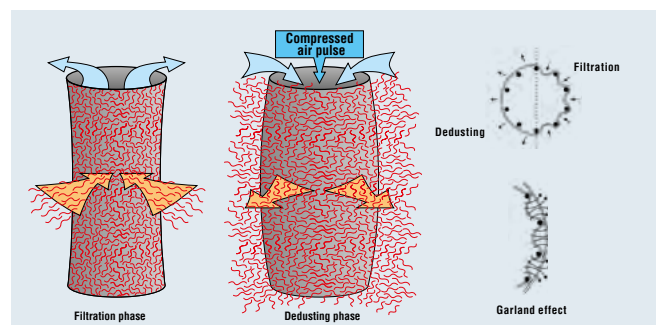
²⁾ Depending on the material

THE AL-KO HIGH-PERFORMANCE FILTER SYSTEM „AL-KO OPTI JET”



Ihre Vorteile:

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



NEW
30% MORE
VACUUM

INCL. DUST
COMPARTMENT



AL-KO POWER UNIT 250

Type	250 P	250 P-ZRS	250 P-BP 30-40	250 P-BP 30-50
Art.no.	195 187 01			199 983
Intake socket	9.84"	9.84"	9.84"	9.84"
Nominal motor rating	7.5 kW / 10 hp	7.5 kW / 10 hp	7.5 kW / 10 hp	7.5 kW / 10 hp
Voltage	460 V / 3 Ph / 60 Hz	460V/3 Ph / 60Hz	460V/3 Ph / 60Hz	460V/3 Ph / 60Hz
Max. flow rate	2,884 cfm	2,884 cfm	2,884 cfm	2,884 cfm
Nominal flow rate*	2,080 cfm	2,080 cfm	2,080 cfm	2,080 cfm
Vacuum at nominal flow rate	0.462 psi	0.462 psi	0.462 psi	0.462 psi
Filter area	241 ft ²	241 ft ²	241 ft ²	241 ft ²
Pre-separator	Integrated	Integrated	Integrated	Integrated
Extinguishing device	Integrated	Integrated	Integrated	Integrated
Swarf collection capacity	2 x 66 gal	Rotary lock valve	Briquette press	Briquette press
Sound pressure level***	71 dB(A)	71 dB(A)	71 dB(A)	71 dB(A)
Dimensions (L / W / H)	93" x 42" x 93"	94" x 42" x 111"	93" x 54" x 104"	93" x 54" x 104"
Briquette / Rotary lock valve performance	–	4.2 gal/h ²⁾	up to 90 gal / h ²⁾	up to 110 gal / h ²⁾
Briquette diameter	–	–	1.6"	2.0"
Weight net	1,671 lb	1,605 lb	3,045 lb	3,045 lb

*According GS-HM-03 dusted

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

²⁾ Depending on the material

INCL. DUST
COMPARTMENT



AL-KO POWER UNIT 300

Type	300 P**	300 P-ZRS	300 P-BP 30-50	300 P-BP 50-70
Art.no.	199 190 01			199 984
Intake Socket	11.8"	11.8"	11.8"	11.8"
Nominal motor rating	7.5kW/10 hp	7.5kW/10 hp	7.5kW/10 hp	7.5kW/10 hp
Voltage	460V/3 Ph / 60Hz	460V/3 Ph / 60Hz	460V/3 Ph / 60Hz	460V/3 Ph / 60Hz
Max. flow rate	3,531 cfm	3,531 cfm	3,531 cfm	3,531 cfm
Nominal flow rate*	2,995 cfm	2,995 cfm	2,995 cfm	2,995 cfm
Vacuum at nominal flow rate	0.375 psi	0.375 psi	0.375 psi	0.375 psi
Filter area	323 ft ²	323 ft ²	323 ft ²	323 ft ²
Pre-separator	Integrated	Integrated	Integrated	Integrated
Extinguishing device	Integrated	Integrated	Integrated	Integrated
Swarf collection capacity	3 x 66 gal	Rotary lock valve	Briquette press	Briquette press
Sound pressure level***	71 dB(A)	71 dB(A)	71 dB(A)	71 dB(A)
Dimensions (L / W / H)	118" x 42" x 93"	118" x 42" x 120"	118" x 54" x 111"	118" x 54" x 111"
Briquette / Rotary lock valve performance	–	4.2 gal / h ²⁾	up to 110 lb / h ²⁾	up to 155 lb / h ²⁾
Briquette diameter	–	–	2.0 lb	2.8 lb
Weight net	1,848 lb	1,835 lb	3,462 lb	3,462 lb

*According GS-HM-03 dusted

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

²⁾ Depending on the material

AL-KO POWER UNIT 350 AND POWER UNIT 350+ THE NEW PERFORMANCE CLASS



The benefits for you:

- | Highest extraction performance
- | Lowest energy consumption A+
- | Optimum safety
- | Compact construction

THE NEW LEVEL OF PERFECTION

- | New technology
- | Unique design
- | Made in Germany
- | Patented air routing

INCL. DUST
COMPARTMENT



AL-KO POWER UNIT 350 and POWER UNIT 350+ is the new performance class among pure air dust extractors. The powerful 15 hp **IE3 motor** extracts dust and swarf with a gigantic **flow rate of more than 4900 cfm**, while being very economical in terms of consumption. Thanks to 57 filters, the AL-KO POWER UNIT 350 and POWER UNIT 350+ offers a **gigantic filter surface** of 786 ft² – enough to lower the residual dust content of the **air which is 100% recycled** to < 0.1 mg/m³ (H3).

Naturally, the AL-KO POWER UNIT 350 and 350+ uses tried and tested, and further improved, AL-KO OPTI JET[®] technology and the **integrated pre-separator** comes as standard. While performing on a gigantic level, AL-KO POWER UNIT 350 and

POWER UNIT 350+ is never noisy. The maximum sound level at a distance of one meter measures according to DIN EN ISO 11201 – **absolutely quiet 71 dB (A)** – probably the lowest figure in this class. This is not surprising as the AL-KO POWER UNIT 350 and POWER UNIT 350+ **is equipped with real sound-absorbing panels – as standard.**

Thanks to the unique design and the further optimised internal layout, AL-KO POWER UNIT 350 is extremely space-saving: with its dimensions of 123" x 42" x 93" (LxWxH) the AL-KO POWER UNIT 350 is significantly smaller than many other devices of the 300 class.

GIGANTIC PERFORMANCE

AL-KO POWER UNIT 350

- | Max. flow rate up to 5,500 cfm
- | Approx. 786 ft² filter surface, residual dust content according to H3
- | Pre-separator as standard
- | Already complies with DIN EN 16770
- | Tested back-up flap
- | Integrated automatic extinguisher



AL-KO POWER UNIT 350

Type	350 P	350 P-ZRS	350 P-BP 30-50	350 P-BP 50-70
Art.no.	199 943	197 422		199 985
Intake socket	13.8"	13.8"	13.8"	13.8"
Nominal motor rating	11.0 kW / 15 hp	11.0kW/15 hp	11.0kW/15 hp	11.0kW/15 hp
Voltage	460V / 3 Ph/ 60 Hz	460V/3 Ph/ 60Hz	460V/3 Ph/ 60Hz	460V/3 Ph/ 60Hz
Max. flow rate	5,000 cfm	5,000 cfm	5,000 cfm	5,000 cfm
Nominal flow rate*	4,077 cfm	4,077 cfm	4,077 cfm	4,077 cfm
Vacuum at nominal flow rate	0.369 psi	0.369 psi	0.369 psi	0.369 psi
Filter area	786 ft ²	786 ft ²	786 ft ²	786 ft ²
Pre-separator	Integrated	Integrated	Integrated	Integrated
Extinguishing device	Integrated	Integrated	Integrated	Integrated
Swarf collection capacity	3 x 66 gal	Rotary lock valve	Briquette press	Briquette press
Sound pressure level***	71 dB(A)	71 dB(A)	71 dB(A)	71 dB(A)
Dimensions (L / W / H)	123"x 42" x 93"	133" x 42" x 120"	123" x 53" x 111"	123" x 53" x 111"
Briquette / Rotary lock valve performance	–	4.2 gal / h ²)	up to 110 lb / h ²)	up to 155 lb / h ²)
Briquette diameter	–	–	2.0 lb	2.8 lb
Weight net	2,154 lb	2227 lb	3,836 lb	3,836 lb

*GS-HM-03

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

²⁾ Depending on the material

AL-KO POWER UNIT 350⁺

Type	350 ⁺ P	350 ⁺ P-ZRS	350 ⁺ P-BP 30-50	350 ⁺ P-BP 50-70
Art.no.	197423	197 424		19425
Intake socket	14"	14"	14"	14"
Nominal motor rating	15 kW / 20 hp	15 kW/ 20 hp	15 kW/ 20 hp	15 kW/ 20 hp
Voltage	460V/3 Ph/ 60Hz	460V/3 Ph/ 60Hz	460V/3 Ph/ 60Hz	460V/3 Ph/ 60Hz
Max. flow rate	5,500 cfm	5,500 cfm	5,500 cfm	5,500 cfm
Nominal flow rate*	4,195 cfm	4,195 cfm	4,195 cfm	4,195 cfm
Vacuum at nominal flow rate	0.485 psi	0.485 psi	0.485 psi	0.485 psi
Filter area	786 ft ²	786 ft ²	786 ft ²	786 ft
Pre-separator	Integrated	Integrated	Integrated	Integrated
Extinguishing device	Integrated	Integrated	Integrated	Integrated
Swarf collection capacity (net / gross)	3 x 165 L / 3 x 250 L	Rotary lock valve	Briquette press	Briquette press
Sound pressure level***	73 dB(A)	73 dB(A)	73 dB(A)	73 dB(A)
Dimensions (L / W / H) in mm	3,130 x 1,058 x 2,361	3,164 x 1,058 x 3,027	3,130 x 1,361 x 2,817	3,130 x 1,361 x 2,817
Briquette / Rotary lock valve performance	–	15,744 L/h ²)	up to 50 kg/h ²)	up to 70 kg/h ²)
Briquette diameter	–	–	50 mm	70 mm
Weight net	1,040 kg	1,027 kg	1,802 kg	1,802 kg

*GS-HM-03

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

²⁾ Depending on the material

AL-KO EXTRACTION TECHNOLOGY – YOUR STRONG PARTNER

In Europe and across the world, thousands of customers every year choose quality products from AL-KO Extraction Technology. The enthusiasm for these products and customers' confidence in us demonstrates that even today, products bearing the "MADE IN GERMANY" label 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.

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Figures show configuration examples which are not available in every market.
Please ask your AL-KO advisor.

Subject to modifications in response to technical developments.
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