

GB



MOBIL 125-200

EXTRACTION TECHNOLOGY

OPERATING AND INSTALLATION INSTRUCTIONS FOR AIR FILTERS

SERIES MOBIL 125-200



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1. Information concerning this handbook

- Read this documentation before installation and commissioning. This is a requirement for safe working and fault-free operation.
- Adhere to the safety and warning notes in this documentation and on the product.
- This documentation is a permanent part of the product described and should be handed to the buyer in the event of a sale!

1.1 Description of symbols



Warning!

This symbol refers to safety procedures that are required to prevent injuries!



Caution!

This symbol refers to safety procedures that are required to prevent damage to goods!



Special information to improve comprehension and handling.

1.2 Regulations and standards

The following standards and regulations were applied during the design phase and also apply to installation, commissioning, operation and maintenance:

DIN EN ISO 12100	Safety of machinery – General principles for design – Risk assessment and risk reduction
DIN EN 60204-1	Safety of machinery – Electrical Equipment of machines – Part 1: General requirements
DIN EN 349	Safety of machinery – Minimum gaps to avoid crushing of parts of the human body
DIN EN ISO 13857	Safety of machinery – Safety distances to prevent hazard zones being reached by upper and lower limbs
EC Directive 2004/108/EC	Electromagnetic Compatibility
VDI 3677	Filtering receivers
EC Directive 2006/42/EC	Machinery Directive

1.3 Legal information

All data provided are only intended to describe the product. They do not guarantee a certain composition of the system or its suitability for a specific application. This information does not release the user from his obligation to perform evaluations and tests.

2. Safety information

Please take note of the following points to prevent injuries, fire and other hazards due to inappropriate use and operation of the MOBIL 125-200 intake air filters:



Warning!

Installation, electrical connection, media supply connection, maintenance, commissioning, repair, etc. may only be performed by trained staff.

The MOBIL devices must be appropriately installed and may only be used according to our instructions.

All claims for damages or warranties become void when the installation does not comply with our stipulations or when the fault/damage is causally related to inappropriate alterations, processing or other treatment. The user must prove that the fault is not due to inappropriate installation.

The general maintenance information in the operating and installation instructions for the MOBIL air filter must always be adhered to.

The design and execution of the MOBIL device are in line with the standards listed in the certificate of conformity to minimise any hazard potential emanating from the MOBIL device.

Care must be taken that all persons working with the MOBIL device during any part of its life cycle have completely read and understood the operating instructions and adhere to them.

All plant, company and work instructions of the user apply in addition to these operating instructions to prevent hazards within the company.

Personal protective equipment is required for all work on the MOBIL device!

- Wear dust masks when exchanging filters and disposing of accumulated material. Wear gloves during filter changes and assembly work.
- The device may only be used in dry and frost-free areas. Protect the device from moisture. If condition change contact the manufacturer
- Operating the raw air exhauster is permitted at a room temperature between + 5 ° to + 40 ° C.
- It should be ensured that the network connection lead is not damaged due to running over, crushing, tugging or similar.
- The network connection lead must be routinely inspected for signs of damage or aging.
- The device may only be used when the condition of the network connection lead is flawless.
- During usage of the network connection lead, only the lead type given in the specifications may be used.
- For the replacement of the network plug, only the plug type given in the specifications may be used.
- The replacement of the network connection lead and the network plug may only be carried out by trained personnel.
- In the case of necessary replacement of the network and device connection leads, no deviations from the manufacturer's design may occur.
- The mains plug of the raw air exhauster must be inserted only after installation on site.
- Only connect CEE plug (e.g. a wall outlet) with carrier-fuse 3 x 16 A or single-phase AC 1 x 10 A.
- After use, before moving the raw air exhauster to another work site, before cleaning, servicing, e.g. bag, filter and hose replacement, replacement or removal of moving parts is to pull the plug, otherwise there is a risk of injury by accessing the van impeller.
- During operation, the usage of electrical coupling devices and adapters is not permitted.
- Observe the rotational direction of the motor.
- The device may only be switched on when fully assembled.
- Before each use, check the device for proper operation.
- Children and people who are not familiar with the device, may not use it.
- Observe the accident prevention regulations and fire regulations.

- Not suitable for dust with KST values > 200 bar m/s (Dust Explosion Class St 2 and St 3, and/or with a minimum ignition energy below 10 mJ);
- Not suitable for extracting explosive or similar substances, for explosive gas atmospheres, flammable liquids and mixtures of flammable dust and liquids
- Not suitable for use in an explosive atmosphere
- Not suitable for extraction from machines with an increased risk to generate sources of ignition

Before working on the raw air exhauster the unit must be disconnected from the power supply!

Pull out the mains connector in the event of an Emergency Stop.

2.1 General information

The natural air dust extractor MOBIL may only be operated to TN supply systems with earthed neutral conductor.

The air filter may only be operated by persons who have been instructed in its operation and explicitly ordered to use it.

Only original parts may be used to operate the air filter.

The fan is encased and the casing can only be removed with a tool. When this casing is removed, there is a residual risk due to the possibility of touching moving parts.

All electrical parts are protected by permanently installed and safely attached covers made of insulating material that can only be removed with a tool. The device corresponds to Protection Class 1 according to DIN EN 60335. The main switch of the device must be switched off before the covers are removed, otherwise there is a risk of injury.

Disposable dust collection bags with closable openings ensure disposal with little dust exposure. It is nevertheless possible that dust may be inhaled when the dust collection bags are exchanged. These risks can be minimised by adhering to the instructions regarding exchange and disposal instructions (Point 9).

Use for woodwork and crafts

Non-commercial use implies that the device is not used by employees, vocational trainees, schools, people working from home or persons in a work-like employment relationship.

2.2 Installation (place)

The device must be set up on an even surface. The MOBIL 125-200 intake air filters may not be operated in ex-zones.

2.3 Suction pipe

The intake port on the unit has an external diameter of:

MOBIL 125 = 125 mm

MOBIL 140 = 140 mm

MOBIL 160 = 160 mm

MOBIL 200 = 200 mm

The suction hose of the respective nominal values must be attached to the pipe using the clamp provided.

Only electrically conductive material may be used for connecting an extraction pipe.

When a "spiral hose" is used, the metal spiral must be stripped along a length of approx. 5 cm. Remove the remaining hose material in the unshielded area and bend the bare metal wire (of the spiral hose) towards the outside and connect it to ground (yellow-green wire), see Figure 5.8. Thereafter, fasten the hose with a worm-drive hose clip or a band clamp.

Hoses made of synthetic material must be flame-retardant. Only use hoses with the appropriate nominal widths.

2.4 Fan

Filter devices use to extract air from machines that do not generate sparks are of Design Type B1, due to their fan structure.

2.5 Grounding

All components, in particular pipes made of metal and flexible hoses, must have continuous electrical grounding to the fan/filter to drain static charges.

2.6 Appropriate use

1. The extraction operation may only be performed when the machine tool or the floor-cleaning set is connected.
2. Solid bodies, e.g. pieces of timber (with an edge length of more than 1 cm) as well as metal parts and stones may not be sucked in. Such bodies will damage the fan blades (which excludes the warranty).
3. The device may only be switched on once it has been completely installed.
4. Maintenance work, e.g. exchange of bag, filter and hose, may only be performed when the mains connector is plugged out, otherwise there is a risk of injury when working near the fan impeller.
5. Protect the device against humidity.
6. Do not operate the device in rooms with an explosion risk.
7. Only use original spares.
8. Check the device for fault-free operation before each re-operation.
9. Do not use the device at temperatures below 0° C.
10. Children and persons who are not familiar with the device are not allowed to operate it.
11. Accident prevention regulations and fire protection regulations.
12. Ground the extraction hose at the connection pipe of the machine from which air is extracted to drain electrostatic charges. (bare the spiral of the hose and connect it in an electrically conductive manner.)
13. Wear a dust mask (filter mask with particle filter, Filter Class 2) when exchanging the filter or the chip bag.

2.7 Possible inappropriate uses

The MOBIL device may only be operated within the range of technical data specified by the manufacturer. Any other or further use that deviates from the description in Point "2.6" Appropriate use" is deemed inappropriate use. The manufacturer is not liable for damage resulting from such use.

Possible inappropriate use includes, for example:

Transport of media that are hotter or colder than permitted, are aggressive or contain an excessive dust load.

- It is not suitable for extracting objects (wood processing machines) that may contain effective sources of ignition.
- Safety engineering regulations state that the air filter is not suitable for vacuuming or extraction of materials that pose a risk of explosion or materials that are equivalent to them according to **Section 1 Spreng** (Blasting Act), of dusts in Dust Explosion Classes St 2 and St 3, of flammable liquids or of mixtures of flammable dusts with flammable liquids.
- Only connectors according to **VDE 0165 Section 7.1.4** may be used for connecting electrically operated air filters. Only original accessories may be used.
- No liquids, aggressive gases, highly flammable media or smouldering particles (glowing embers or similar) may be extracted. The use of the air filter outside the areas described in 2.6 (e.g. varnishing operations) is prohibited. Extraction from wood-processing machines that might generate igniting sparks or glowing embers (e.g. multi-blade saws) is prohibited.
- The housing may only be cleaned with a domestic cleaning agent and a damp cloth.
- These air filters are not intended for installation in areas with explosion risks.

2.8 Residual risks

The air filter may pose hazards when it is used by untrained persons and/or not used in an appropriate manner.

Residual risks are potential risks that are not obvious, e.g.:

- Injuries due to not adhering to the safety instructions, standards, guidelines or regulations,
- Injuries due to uncoordinated work,
- Risk due to working on the electrical system, the cables and the connections,
- Etc.

2.9 Delivery

The MOBIL device is delivered in the form of sub-components!

2.9.1 Delivery scope

Delivery scope	Item
Module housing	1
Floor plate	1
Column left	2
Column right	1
Tension strap	2
Waste bag V510-530PVC	1
Support bracket	1
Filter F530 MOBIL	1
Small parts bag	1
Original operating instructions	1



2.9.2 Small parts bag

Item number	Description	Amount
845304	Plastic bag	1
845274	Button-type socket-head screw SHR M6x20	9
704533	Safety nut M6	27
700079	Hexagonal bolt M6x10	19
702250	Cylinder-head screw M6x20	9
373265	Plastic bolt 5x35	6
845970	Guide roller	4

2.10 Storage, transport

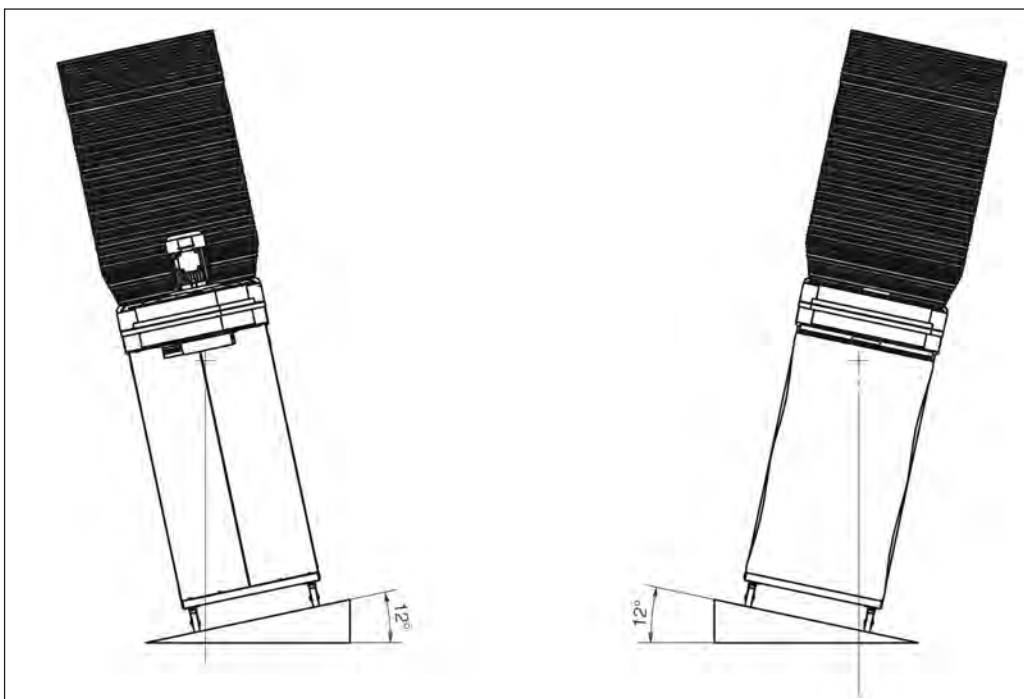


Warning!



Caution!

- Store the individual, functional parts in their original packaging in a dry and weather-protected place.
- Cover open pallets with tarpaulins and protect functional parts against dirt (e.g. chips, stones, water, etc.).
- Additional, protective packaging must be used for transport under harsh conditions, (e.g. on open vehicles, exposed to unusual vibration, transport by sea or in subtropical countries).
- Prevent repeated and, in particular, sudden temperature changes. They are particularly harmful when the humidity can condense.
- Check that all parts (bearings, fans, etc.) move easily before installation after a storage period of more than 3 months.
- Please take note of the relevant instructions in the individual chapters.
- The device may be transported with a fork-lift truck, as described in Section 4 "Transport".
- The individual components must be transported in an upright position and secured against falling over.
- Clear vision must be ensured during the transport.
(use support staff as required)
- No persons may remain in the transport area.
- The relevant worker safety and environmental protection regulations must be adhered to during transport.
- Ensure that suitable lifting tools are used.
- The MOBIL device may only be transported by qualified, trained and instructed staff as described in the "Safety" chapter.
- It must be ensured that drivers have appropriate driving licences when transporting devices requiring a driving licence.
- The tilting limit is at approx. 12 °.



2.11 Duties of the operating company

The operator of the MOBIL air filter must regularly train his staff regarding the following topics:

- Adherence to and use of the operating and installation instructions as well as the legal regulations.
- Appropriate use of the MOBIL device.
- Adhere to the instructions of the company security and the operating instructions of the operating company as required.
- Conduct in emergencies.

2.12 Disposal



Disposal of the packaging must be performed according to the currently valid, local environmental and recycling regulations of your country and your municipality.

3. Product description

The accurate type description, filter category used, filter surface, motor data and the information concerning the compressed air connection are provided on the name plate.

The name plate is normally attached on the intake side of the housing.

Please specify the type identifier of the device, the year of construction as well as the project number when ordering spare parts or for queries.

The working range is between the rated and the minimum volume flow.

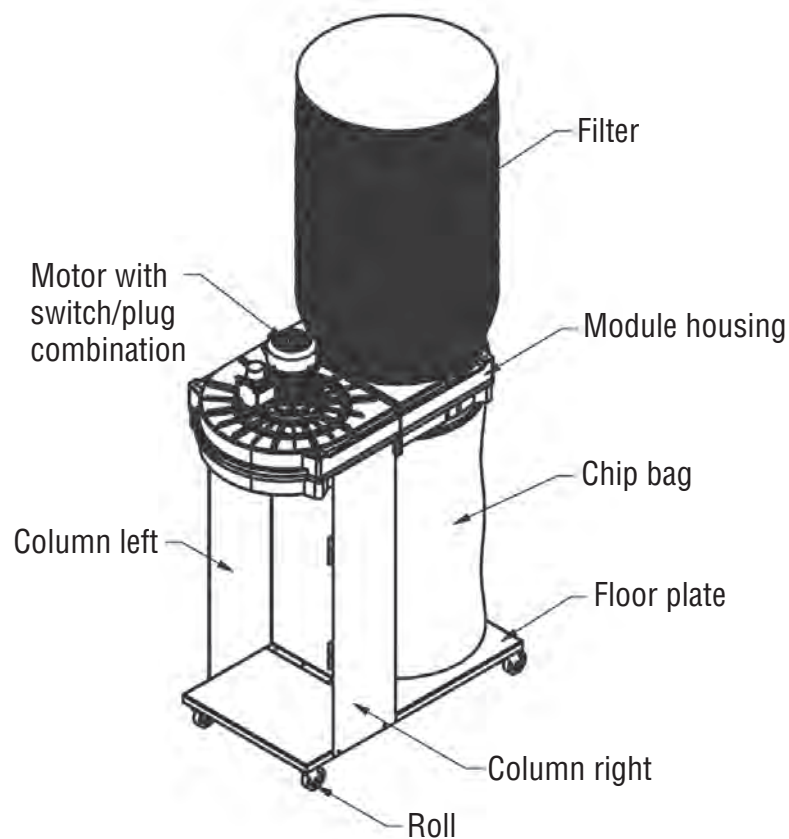
Housing design made of single-walled plastic.

The smooth, inner housing construction ensures simple and quick cleaning of the devices.



Our products are subject to continuous quality control and comply with the relevant, currently valid regulations.

MOBIL 125-200





EC CERTIFICATE OF CONFORMITY
EU PROHLÁŠENÍ O SHODĚ

Manufacturer / Výrobce:

Name / Název
Address / Adresa
ADAMIK Company, s.r.o.
Mítravická 804, 739 21 Paskov, Czech Republic

Person authorized to complete the technical documentation /
Osoba zodpovědná za kompletní technické dokumentace:

Name / Jméno
Ing. Petr Adámik

Machinery / Strojní zařízení:

Product / Výrobek
Type / Typ
Dust collector / Odšávací zařízení
MOBIL 125
MOBIL 140
MOBIL 200

Serial number / Vyrobní číslo

Machinery complies with technical requirements of / Strojní zařízení splňuje veškerá příslušná ustanovení:

- **Directive (Government Order) / Směrnice (Nařízení vlády):**
 - European Parliament and Council Directive 2006/42/EC of 17th May 2006 on the machinery and harmonized Directive 95/16/EC (recast version) (Government Order no. 176/2008 Coll.)
/ Směrnice Evropského parlamentu a Rady 2006/42/ES ze dne 17. května 2006 o strojních zařízeních a o změně směrnice 95/16/ES (přepracované znění) (nařízení vlády č. 176/2008 Sb.)
- **Applied harmonized European Standards. / Harmonizovaných norem:**
ČSN EN ISO 12100:2011; ČSN EN ISO 13857:2008; ČSN EN 349-A1:2008; ČSN EN 614-1-A1:2009;
ČSN EN ISO 14120:2017; ČSN EN 894-3-A1:2009; ČSN EN 894-3-A1:2009; ČSN EN ISO 7010:2012;
ČSN EN ISO 13849-1:2017; ČSN EN ISO 14118:2018; ČSN EN 60204-1 ed. 2:2007

Place, date / Místo, dne: Paskov, 10.05.2019

Name and position of the person authorized to sign / Jméno a funkce osoby zmocněné k podpisu:
Ing. Petr Adámik, CEO / Ing. Petr Adámik, jednatel společnosti

ADAMIK COMPANY, s.r.o.
CZ190 00 Písařská, Třída 910/9
IČ: 2624031 / DIČ: CZ26240318



EC CERTIFICATE OF CONFORMITY
EU PROHLÁŠENÍ O SHODĚ

Manufacturer / Výrobce:

Name / Název
Address / Adresa
ADAMIK Company, s.r.o.
Mítravická 804, 739 21 Paskov, Czech Republic

Person authorized to complete the technical documentation /
Osoba zodpovědná za kompletní technické dokumentace:

Name / Jméno
Ing. Petr Adámik

Machinery / Strojní zařízení:

Product / Výrobek
Type / Typ
Dust collector / Odšávací zařízení
MOBIL 125
MOBIL 140
MOBIL 200

Serial number / Vyrobní číslo

Machinery complies with technical requirements of / Strojní zařízení splňuje veškerá příslušná ustanovení:

- **Directive (Government Order) / Směrnice (Nařízení vlády):**
 - European Parliament and Council Directive 2014/35/EU of 26th February 2014 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits (recast version), (Government Order no. 118/2016 Coll.)
/ Směrnice Evropského parlamentu a Rady 2014/35/EU ze dne 26. února 2014 o harmonizaci právních předpisů členských států týkajících se dodávání elektrických zařízení určených pro používání v určitých mezích napětí na trh (přepracované znění), (nařízení vlády č. 118/2016 Sb.)
 - European Parliament and Council Directive 2014/30/EU of 26th February 2014 on the harmonization of the laws of Member States relating to electromagnetic compatibility (recast version), (Government Order no. 117/2016 Coll.)
/ Směrnice Evropského parlamentu a Rady 2014/30/EU ze dne 26. února 2014 o harmonizaci právních předpisů členských států týkajících se elektromagnetické kompatibility (přepracované znění), (nařízení vlády č. 117/2016 Sb.)
- **Applied harmonized European Standards. / Harmonizovaných norem:**
ČSN EN 60204-1 ed. 2:2007; ČSN EN 61000-6-2 ed.3:2006; ČSN EN 61000-6-4 ed.2:2007

Place, date / Místo, dne: Paskov, 10.05.2019

Name and position of the person authorized to sign / Jméno a funkce osoby zmocněné k podpisu:
Ing. Petr Adámik, CEO / Ing. Petr Adámik, jednatel společnosti

ADAMIK COMPANY, s.r.o.
CZ190 00 Písařská, Třída 910/9
IČ: 2624031 / DIČ: CZ26240318

4. Transport

The MOBIL series is delivered in the form of individual parts packaged in cartons.



Fig.: Device component ready for transport

MOBIL devices can be transported to the place of installation by a fork lift / lifting truck or by hand.

4.1 Device transport with fork lift

- The MOBIL devices are intended for fork lift or lifting truck transport.

5. Assembly

A residual risk of injury at the cutting edges remains, despite the optimised production processes.

Personal protective equipment (protective gloves, etc.) must be worn during the installation of the device to minimise the risk of injuries.

General:

A plane surface is required for installing the device.

Sufficient space must be provided for the operation and maintenance of the MOBIL device.

The requirements for fire and explosion protection, in particular those in 2.3, must be adhered to.



Notice!

The operating instructions must be read and adhered to before installation and commissioning.

- All components must already be grounded by the customer.

5.1 Substructure installation

Bolt together the left and right columns, then connect the floor plate to the column



5.2 Roller installation

Connect each roller with 3 bolts and safety nuts.



5.3 Housing installation

Connect the module housing to the base on the sides and in the centre.

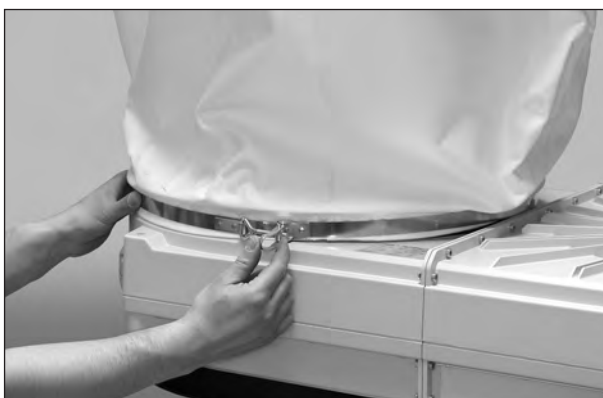


5.4 Filter support arm



5.5 Filter installation

Pull the filter over the spout and fasten with the tension strap.



5.6 Chip bag with fastening strip

Fold approx. 2 cm of the chip bag from the inside over the fastening strip and pull it over the connection pipe of the housing, then tighten the fastening strip.



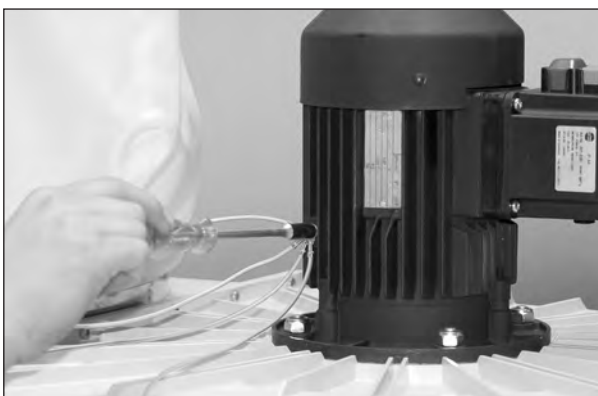
Caution!

The electrostatic charge of the hose and the device are safely discharged by the electrical connection on the side of the timber-processing machine.

5.7 Attaching the spiral extraction hose



5.8 Attaching the grounding



5.9 Electrical connection:

230 V/1 Ph/50 Hz

0.75 kW fuse, 10 A time-lag

1.1 kW fuse, 10 A time-lag

Connection via switch/plug combination (Schuko-socket appliances)

Use the connection cable with the usual Schuko coupling, with a minimum diameter of 1 mm². Electrical connection via 3-pole connection cable (230 V)



400 V / 3 Ph / 50 Hz

0,75 kW fuse, 16 A time-lag

1.5 kW fuse, 10 A time-lag

2.2 kW fuse, 10 A time-lag

Connection via switch/plug combination (16 A, 5-polig CEE-Geräte-Schuko-Stecker).

Connection cable with common 16 A 5-pin CEE connections, min. 1 mm² cross-section. Electrical connection using the 5-core connection cable. Do not use defective connection cables! Regularly check the connection cables for damage!



6. Commissioning and maintenance

6.1 General informations

At the time of commissioning, all functions are tested, documented and signed by the operator.

The signature also confirms the handover of the operating and maintenance instructions.



Warning!

Installation, commissioning, maintenance and repair work may only be performed by educated, trained and instructed specialist staff or by the customer service of the factory.

The general maintenance instructions as contained in the operating and assembly instructions for the MOBIL filter series must be adhered to.



Warning!

Before any work is carried out on the air filter, the device must be separated from electrical power and the mains plug must be disconnected (all poles) and secured against unauthorised reoperation. The impeller continues running for approx. 1 to 3 minutes after switching off the device.

The impeller may never be slowed down by hand or another object.

When the system stands still for more than 1 week, weekly turning of the motor or fan shaft is necessary to avoid persistent load on one point of the bearing that may damage the bearing.

It must be checked whether the filter installed fits tightly before operating the MOBIL device.

6.2 Commissioning of the output versions

6.2.1 Version with chip bag and fastening strip (see 5.6)

■ Disposal of the collected material

When the chip bag is full or the maximum permitted filling level has been reached, the device must be switched off (after switching off the dust-generating device) and the filter cleaning cycle has to be repeated. The chip bag can only be removed after loosening the fastening strip. Thereafter, the chip bag is carefully closed. Disposal must take place according to the local regulations.



Caution!

Pull out the mains connector before pulling out the chip bag.

This work always requires a dust mask (filter mask with particle filter, Filter Class 2).

Exposure of bystanders to dust should be avoided.

The new dust bag is inserted as described above (inserting the chip bag).

7. Fan

Initial operation:

1. Check the duct system and the fan for alien bodies.
2. Turn the impeller by hand to check it for free movement.
3. Check the fan for dirt and imbalance, damage and corrosion.
4. Retighten all fastening screws.
5. Check the fan rotation direction (compare with arrow on the electric motor) by switching on the motor for a short time.
6. The power consumption is measured when the extraction hose is connected and compared with the nominal current specified on the motor name plate.
7. Perform a protective conductor test.

**Caution!**

The current uptake may not exceed the nominal current specified.
 The maximum motor rotation speed may not be exceeded.
 The maximum fan rotation speed may not be exceeded.

**Risk information:**

The fan must be checked for inappropriate vibrations and the results must be documented as part of the commissioning process and thereafter at regular intervals.
 Fans may not be operated when unusual vibrations, noises or vibration velocities above the permitted limit occur!
 Operation with unacceptably high vibration values may cause the impeller to break and cause severe injuries and damage to goods.

7.1 Fastening torques for the screw connections at the fan unit

Check the screw connections at the fan housing after approx. 1 hour of operation and evenly tighten them with a torque spanner as required according to the screw fastening torques specified in the table below.

Thread dimensions	Screw threads fastening torque (Nm)
M 6	10
M 8	25

Table: Fastening torques

8 Filter

8.1 Filter cleaning

Filter cleaning is performed by hand, e.g. knocking

Filter cleaning should be performed before the filling container bags are emptied.

8.2 Cleaning the main filters

After a prolonged operating period, the filter resistance passes the permitted limit, depending on the load and the dust content of the material extracted. The filter set must then be exchanged. The filter exchange may only be performed with a dust mask (filter mask with particle filter, Filter Class 2).

8.3 Filter exchange / main filter

The filter elements will slowly clog up over time as a result of deeply ingrained, fine dust in their pores. The fine dust can no longer be removed by manual cleaning. In such cases, the filters have to be replaced.

See Installation 5.5.

9. Drive elements

9.1 Electrical connection

This circuit diagram also provides information regarding the minimum cross-section of the connection cables and the pre-fusing required.

The electrical connection must comply with the specifications on the attached circuit diagram (for circuit diagram see "Control"). The circuit diagram is part of the operating instructions.

In general, the voltage and the network capacity (start-up current of the fan motor) must be checked.

The rotation direction of the fan motors must be checked from time to time as follows:

Briefly switch the fan on and then off to observe the rotation direction of the cooling fan. The rotation direction must correspond to the rotation direction arrow. An electrician must remedy the situation when the direction of rotation is wrong.

9.2 Electrical motor

Increased switching frequencies for the motors ("cycling") soon leads to functional failures. The electrical motors are usually equipped with life-time lubrication bearings.

Initial operation:

1. Measure the current uptake and compare it with the values provided on the motor name plate.

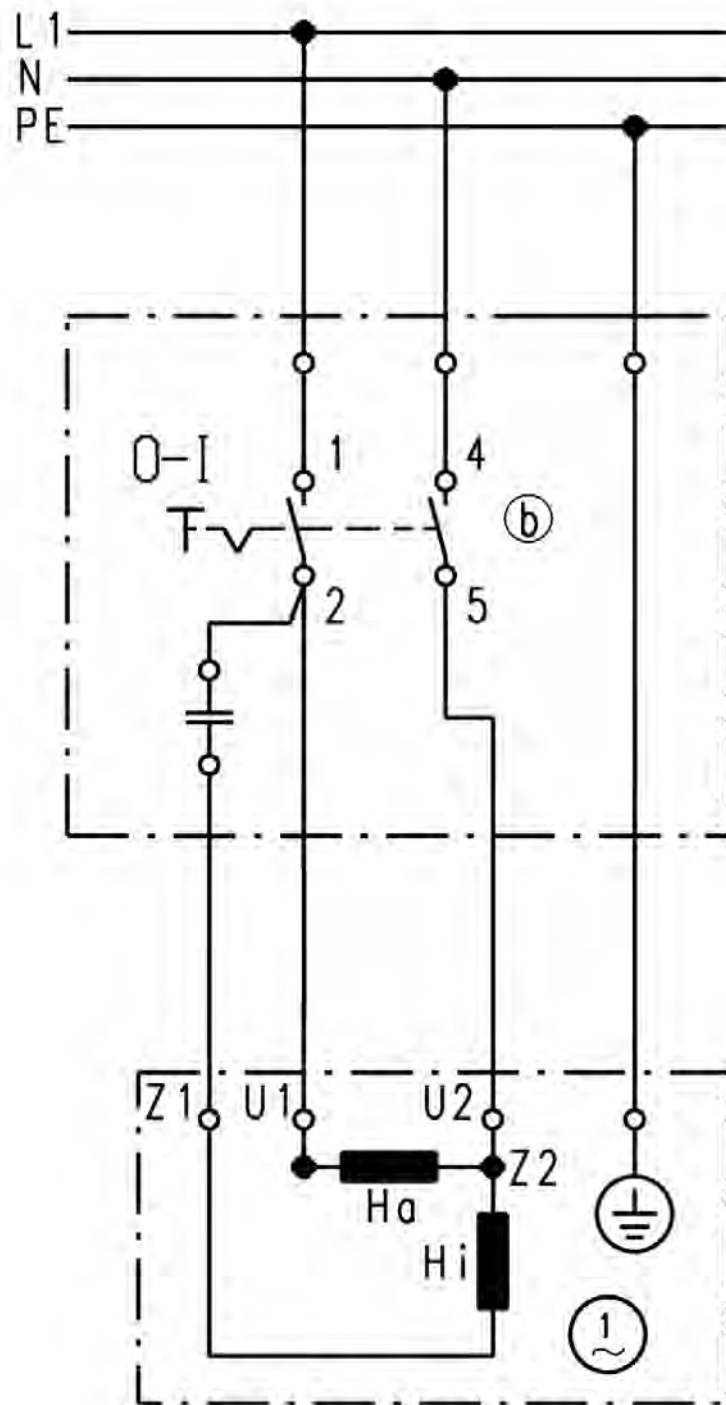


Caution!

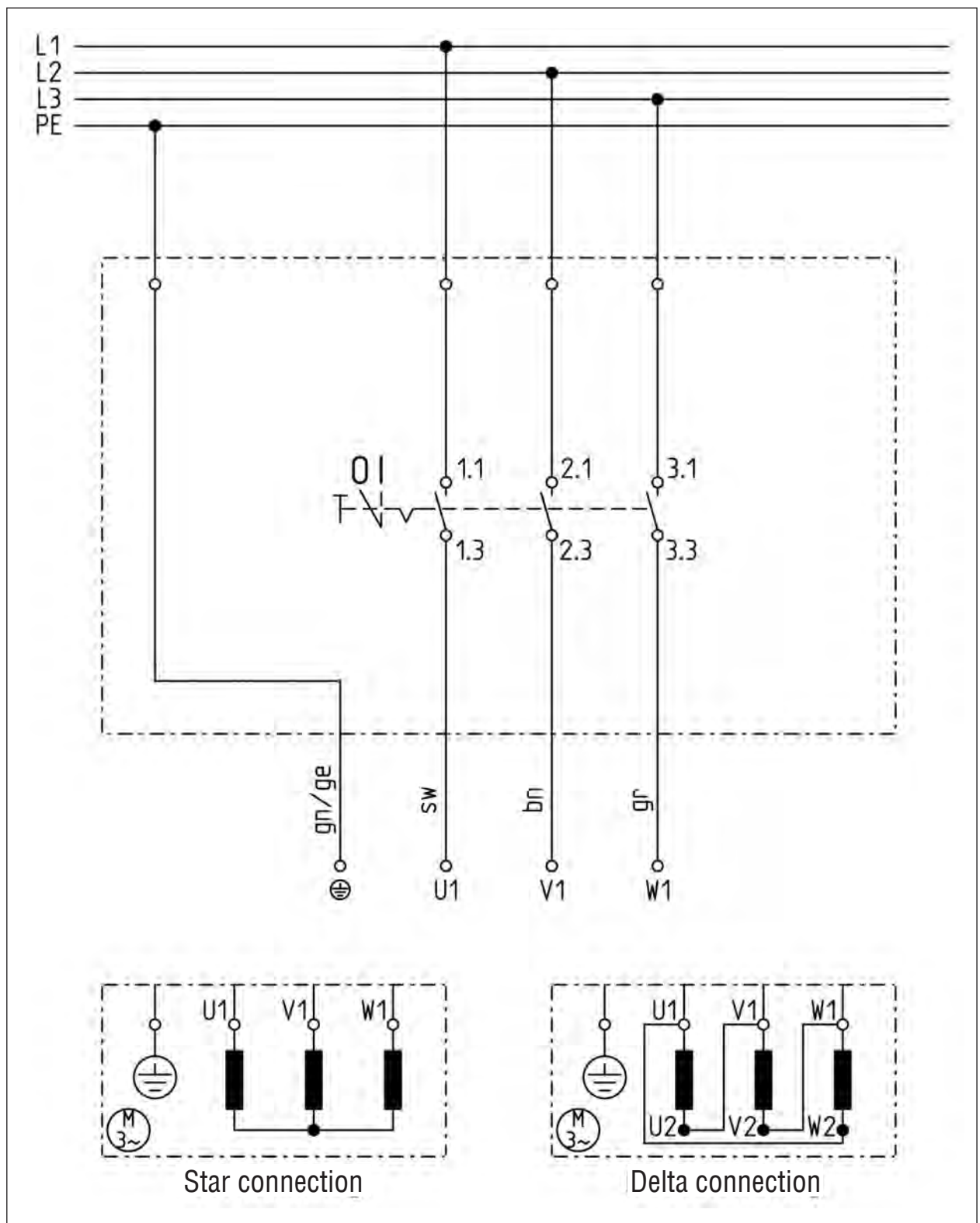
The wiring must be performed according to DIN VDE 0100-100 and DIN EN 60204-1 (DIN VDE 0113). The current uptake may not exceed the nominal current specified.

9.3 Circuit diagram

9.3.1 MOBIL 125/230 V MOBIL 140/230 V



9.3.2 MOBIL 125, 140, 160, 200/400 V



10. Maintenance and repair



Caution!

Safety devices for the prevention or removal of risks must be regularly maintained and checked by a specialist for flawless operation of their safety functions according to Section 39 (3), VBG 1 – General regulations and TRGS 560.

Regular maintenance and repair includes:

10.1 Daily inspection:

- Visual inspection for obvious faults or damage of the system or parts of it.
- The raw gas / filter room must be checked for unusual deposits and cleaned as required.

10.2 Monthly inspection:

A monthly inspection must be performed by a qualified person, i.e. somebody who has been instructed to operate the extraction device.

- Clogged filter bags must be cleaned.
- Visual inspection for obvious faults or damage of the system or parts of it.
- The housing must be checked for unusual deposits and cleaned as required.
- Checking for leaks.
- Defective filter hoses must be replaced.

10.3 Annual inspection:

The annual inspection must be performed by a specialist, i.e. a person who has completed maintenance training.

- Clogged filter bags must be cleaned.
- Visual inspection for obvious faults or damage of the system or parts of it.
- The raw gas / filter room must be checked for unusual deposits and cleaned as required.
- Check all seals for damage and firm attachment and replace as required.
- The air filter must be repaired as required.
- Check the tightness of the housing and seal as required.
- Check the fan chambers for dust deposits and clean as required.
- Vacuum power control.
- Check fan for dirt, vibrations, damage, loose screws, as well as corrosion.
Every 12 months check the impeller, for any cracks and fissure.



Caution!

The following information has to be documented in writing for monthly and annual inspections:

- Date of inspection
- Name of the inspector
- Comment on the state of the air filter and describe any faults found



Caution!

The air filter must be repaired as required.

10.4 Maintenance

	Activity Device components	Measures	1 month	3 months	6 months	12 months	24 months
			Inspection intervals and recommended maintenance intervals				
1.	Fans						
		The fan and drive units must be regularly checked for dirt, damage and corrosion.					
1.1	Check the silencers for dirt, damage and corrosion. Check the impeller and particularly welding seams for possible cracks.	Clean and repair				X	
1.2	The parts of the ventilator that come into contact with air must be cleaned to maintain their function.					X	
1.3	Vibration test					X	
1.4	Drive elements	See Pos. 2					
2.	Drive elements						
2.1	Electro-motors						
2.1.1	Check the outside for dirt, firm attachment, damage and corrosion	Clean as required				X	
2.1.2	Tighten the connection clamps					X	
2.1.3	Measure the voltage	Measuring data must be documented in the measuring protocol				X	
2.1.4	Stromaufnahme messen	Measuring data must be documented in the measuring protocol				X	
2.1.5	Check the bearings for noises					X	
2.1.6	Grease the bearing with the relubrication device					X	
3.	Filter						
3.1	Check for excessive dirt and damage (leaks)	Filters must retain the separation capacity according to their filter class during the whole usage period. The filters must be exchanged when they are dirtied to a noticeable degree or leak.				X	
4.	Device housing						
4.1	Check the silencers for dirt, damage.	Clean and repair				X	

11. Emergency

In the event of a fire, the device must be disconnected from the electricity supply by unplugging the mains connector. Close the rooms to minimise air supply. Alert the fire brigade. Only open the housing after all glowing embers are reliably extinguished.



Caution!

The rooms may only be entered with breathing protection masks to protect against possibly released pollutants.

12. Help with faults

The installer must usually be notified when faults have to be removed.

- Too low volume flow may be due to a clogged filter. The MOBIL device must be switched off to remedy this blockage. The user should manually knock the dust out of the filter.



Warning!

Diagnosis, fault removal and reoperation may only be performed by duly authorised persons. This applies, in particular, to work on the electrical devices within the electric wiring (e.g. test work, exchange, etc.).

12.1 Contact person

If you have any questions regarding our products, please contact a specialised dealer

	Telephone:
	Fax:
	E-mail:
	Web:

us directly at:

ADAMIK Company, s.r.o.
Mitrovická 804
CZ-73921 Paskov

Telephone: +420 774 883 858
Fax: -
E-mail: info@adamikcompany.com
Web: www.adamikcompany.com

13. Shut-down

13.1 Decommissioning

Switch the air filter system to a voltage-free state (all poles disconnected) and secure it against unauthorised switching on before any work is performed.

When the system is shut down for a prolonged period, the instructions for the individual components must be adhered to.

The information of the component manufacturers must be taken into account (request a copy, when required).

The points in the Chapter "Commissioning and maintenance" must be adhered to before reoperation.

13.2 De-installation

Switch the system to a voltage-free state (all poles disconnected) and secure it against unauthorised switching on before any work is performed.

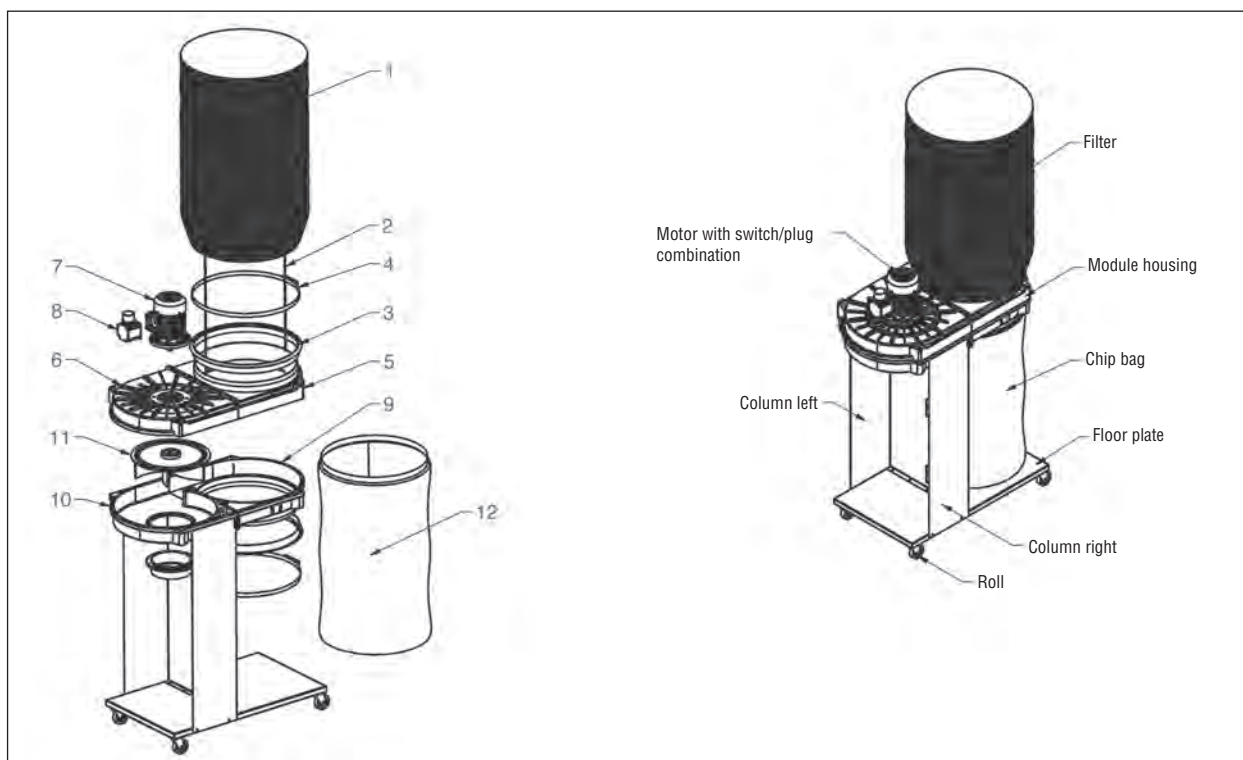
13.3 Disposal



Do not dispose of disused devices, batteries or rechargeable batteries with domestic waste!

Disposal of the filter system, the operating materials and the accessories must take place according to the currently valid, local environmental and recycling regulations of your country and your municipality.

15. Spare parts list



Position	Item number	Description	Mobil 125 230 V	Mobil 125 400 V	Mobil 140 230 V	Mobil 140 400 V	Mobil 160 400 V	Mobil 200 400 V
1	845692	Filter cat. L 525/625x800	X	X	X	X	X	
1	845693	Filter cat. L 525/625x1000						X
2	520737	Supporting yoke 800 mm	X	X	X	X	X	
2	845727	Supporting yoke 1000 mm						X
3	520615	Foam rubber tape	X	X	X	X		
3	520730	Rubber profile ring					X	X
4	520150	Tension ring	X	X	X	X	X	X
5	520123	Housing part on filter side	X	X	X	X	X	X
6	520114	Housing part on motor side	X	X	X	X	X	X
7	520799	Motor 0.75 kW / 230 V	X					
7	867112	Motor 0.75 kW / 400 V		X		X		
7	960810	Motor 1.1 kW / 230 V			X			
7	867113	Motor 1.5 kW / 400 V					X	
7	867114	Motor 2.2 kW / 400 V						X
8	867240	Switch/plug combination 230 V	X		X			
8	520363	Switch/plug combination 400 V		X		X	X	X
9	520133	Housing part on sack side	X	X	X	X	X	X
10	520104	Housing part on fan suction side	X	X	X	X	X	X
11	520742	Impeller NS 320 cpl.	X	X	X	X		
11	52074410	Impeller NS 365 cpl.					X	
11	195551	Impeller NS 390 cpl.						X
12	195169	Chip sack D=520 mm, L=1300 mm, 20 units	X	X	X	X	X	X
13	302107	Capacitor	X					
14	307472	Capacitor			X			

16. Technical data

Type	Order No.	Voltage V	Nominal size	Air volume max. m³/h
MOBIL 125	195125	230	125	1350
MOBIL 125	195126	400	125	1350
MOBIL 140	19514250	230	140	1650
MOBIL 140	19512750	400	140	1650
MOBIL 160	19512950	400	160	2200
MOBIL 200	19513150	400	200	2800

Type	Pressure difference max. Pa	Motor output in kW	Filter surface m²	Real filling volume
MOBIL 125	1600	0,75	2,2	175
MOBIL 125	1600	0,75	2,2	175
MOBIL 140	1750	1,1	2,2	175
MOBIL 140	1750	0,75	2,2	175
MOBIL 160	2500	1,5	2,2	175
MOBIL 200	2900	2,2	2,2	175

Type	Filter cat.	max. Sound pressure level dB(A)	l x w x h	Net weight kg
MOBIL 125	L	81	1061 x 577 x 2300	51
MOBIL 125	L	81	1061 x 577 x 2300	53
MOBIL 140	L	78	1061 x 577 x 2300	52
MOBIL 140	L	78	1061 x 577 x 2300	53
MOBIL 160	L	83	1061 x 577 x 2300	53
MOBIL 200	L	84	1061 x 577 x 2300	60

17. Certificate of warranty

We will remove possible material and production faults in the device within the warranty period according to the following warranty conditions.

1. The warranty period is 12 months.
2. The warranty starts at the date of purchase. Warranty services are only performed after presentation of the original warranty certificate for the device and the original invoice that must specify the device number, device type and motor number and carry the company stamp of the dealer.
3. We guarantee adherence to the current standards of technology and a fault-free product for appropriate use according to the operating instructions at the time of the sale.
4. The warranty service presupposes appropriate handling of the device and consideration of and adherence to the operating instructions.
5. Faults covered by the warranty are exclusively removed by our customer services at their discretion, i.e. either by rework or by provision of a replacement part.
6. Warranty claims are excluded for damage that is caused by inappropriate handling or not adhering to the operating instructions.
7. Warranty claims are excluded for maintenance and cleaning work, parts that were not originally installed, changes of the design as well as normal wear and paint damage.
8. Electrical motors are only covered by the warranty regulations of the respective motor manufacturer.
9. The warranty is also not applicable to possible transport damage. Please report such damage immediately to the goods handler responsible, the railways, the carrier or the sender, as claims against these companies are otherwise lost.
10. Any claims exceeding the warranty promise are excluded. There is no right to replacement deliveries.
11. This warranty promise does not affect statutory claims by the buyer against the seller based on defects.
12. Warranty claims are to be directed to:
ADAMIK Company, s.r.o.
Paříková 910-9
190 00 Praha 9
Czech Republic
Tel. +420 774 883 85808225
Address for correspondence and delivery address: Mitrovická 804, 73921 Paskov, Czech Republic
13. Please always provide the following information given on the name plate
Type, Serial number, Year of construction.



EC CERTIFICATE OF CONFORMITY EU PROHLÁŠENÍ O SHODĚ

Manufacturer / Výrobce:

Name / Název
Address / Adresa

ADAMIK Company, s.r.o.
Mitrovická 804, 739 21 Paskov, Czech Republic

Person authorized to complete the technical documentation /**Osoba zodpovědná za kompletaci technické dokumentace:**

Name / Jméno

Ing Petr Adamík

Machinery / Strojní zařízení:

Product / Výrobek
Type / Typ

Dust collector / Odsávací zařízení
MOBIL 125
MOBIL 140
MOBIL 200

Serial number / Výrobní číslo

.....

Machinery complies with technical requirements of / Strojní zařízení splňuje veškerá příslušná ustanovení:

- Directive (Government Order) / Směrnice (Nařízení vlády):**

- European Parliament and Council Directive 2014/35/EU of 26th February 2014 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits (recast version), (Government Order no. 118/2016 Coll.)
/ Směrnice Evropského parlamentu a Rady 2014/35/EU ze dne 26. února 2014 o harmonizaci právních předpisů členských států týkajících se dodávání elektrických zařízení určených pro používání v určitých mezích napětí na trh (přepracované znění), (nařízení vlády č. 118/2016 Sb.)
- European Parliament and Council Directive 2014/30/EU of 26th February 2014 on the harmonization of the laws of Member States relating to electromagnetic compatibility (recast version), (Government Order no. 117/2016 Coll.)
/ Směrnice Evropského parlamentu a Rady 2014/30/EU ze dne 26. února 2014 o harmonizaci právních předpisů členských států týkajících se elektromagnetické kompatibility (přepracované znění), (nařízení vlády č. 117/2016 Sb.)

- Applied harmonized European Standards. / Harmonizovaných norem:**

ČSN EN 60204-1 ed. 2:2007; ČSN EN 61000-6-2 ed.3:2006; ČSN EN 61000-6-4 ed.2:2007

Place, date / Místo, dne: Paskov, 10.05.2019

Name and position of the person authorized to sign / Jméno a funkce osoby zmocněné k podpisu:

Ing. Petr Adamík, CEO / Ing. Petr Adamík, jednatel společnosti

ADAMIK Company, s.r.o.
CZ-190 00 PRAHA 2, Paříkova 910/9
IČ: 26845318
DIČ: CZ26845318



EC CERTIFICATE OF CONFORMITY EU PROHLÁŠENÍ O SHODĚ

Manufacturer / Výrobce:

Name / Název
Address / Adresa

ADAMIK Company, s.r.o.
Mitrovická 804, 739 21 Paskov, Czech Republic

**Person authorized to complete the technical documentation /
Osoba zodpovědná za kompletaci technické dokumentace:**

Name / Jméno

Ing Petr Adamík

Machinery / Strojní zařízení:

Product / Výrobek
Type / Typ

Dust collector / Odsávací zařízení
MOBIL 125
MOBIL 140
MOBIL 200

Serial number / Výrobní číslo

.....

Machinery complies with technical requirements of / Strojní zařízení splňuje veškerá příslušná ustanovení:

- **Directive (Government Order) / Směrnice (Nařízení vlády):**

- European Parliament and Council Directive 2006/42/EC of 17th May 2006 on the machinery and harmonized Directive 95/16/EC (recast version) (Government Order no. 176/2008 Coll.)
/ Směrnice Evropského parlamentu a Rady 2006/42/ES ze dne 17. května 2006 o strojních zařízeních a o změně směrnice 95/16/ES (přepřacované znění) (nařízení vlády č. 176/2008 Sb.)

- **Applied harmonized European Standards. / Harmonizovaných norem:**

ČSN EN ISO 12100:2011; ČSN EN ISO 13857:2008; ČSN EN 349+A1:2008; ČSN EN 614-1+A1:2009;
ČSN EN ISO 14120:2017; ČSN EN 894-2+A1:2009; ČSN EN 894-3+A1:2009; ČSN EN ISO 7010:2012;
ČSN EN ISO 13849-1:2017; ČSN EN ISO 14118:2018; ČSN EN 60204-1 ed. 2:2007

Place, date / Místo, dne: Paskov, 10.05.2019

Name and position of the person authorized to sign / Jméno a funkce osoby zmocněné k podpisu:

Ing. Petr Adamík, CEO / Ing. Petr Adamík, jednatel společnosti

ADAMIK Company, s.r.o.
CZ-180 00 PRAHA 2, Pátkova 810/9
IČ: 26045318
DIČ: CZ26045318

18. Notice

This image shows a full page of blank graph paper. The grid consists of small, equal-sized squares formed by thin black lines. There are no margins, text, or other markings on the page.

The right to technical changes that do not alter the function is reserved.

January 2020