

CONTEC

HUBBEL

Instruction manual
Betriebsanleitung
Instructions techniques



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CONTEC GmbH

Hauptstrasse 146
57518 Alsdorf

1 EU-Declaration of Conformity

According to the Machine Directive 98/37/EC (89/392/EWG), Appendix II A

We hereby declare that the machine

Type: Floor Planer
Name: HUBBEL

conforms with the following standards which have been valid at the date written below:

EC-Directive 98/37/EC (89/392/EEC), in its current wording
EC-Directive 89/336/EEC, in its current wording
EC-Directive 73/23/EWG (89/392/EEC), in its current wording

List of the essential harmonised standards:

EN 12100	„Safety of machines
EN 418	„Emergency-Stop-Devices“
EN 953	„Separating safety devices“
EN 60204 Part 1	„Electric equipment of machinery, general requirements“
EN 1050	„Guiding principles for the risk judgement“

Alsdorf, 10.04.2007

(Place and date)



(Authorized signature)

J. Greb – Construction department

(Name and function of the authorized person)

2. Technical Data

2.1 Planer

Width of cut	160 mm	
Width	34 cm	
Length	100 cm	
Height	93 cm	
Weight	54 kg	
Dust port ϕ	50 mm	
Electric motor	Standard	USA
	230 V, 1.5 kW, 50 Hz 110 V, 1.5 kW, 50 Hz	110 V, 2.4 hp, 60 Hz 230 V, 2.4 hp, 60 Hz
Other motors	On request	
Average value of acceleration a_{hv} *	6,0 m/s ²	
Noise level L_{wa} *	107 dB(A)	
Noise level Leq *	97 dB(A)	

* Data: VÜA Verein zur Überwachung technischer Anlagen e.V.

2.2 Tools

Drum ϕ	108 mm
Cutter shaft ϕ	12 mm
Number of shafts	4
TCT Cutter	46/5
Milling cutter	46/20
Beam flails	46
Cutter ϕ	46 mm
Number of TCT Cutters	64
Number of milling cutters	36

All specifications are approximate and subject to confirmation. They should only be used as a guide.

3. Applications of the tools

TCT Cutters	Heavy duty, long life cutters for all concrete texturing, scabbling, planing and grooving applications. Also used for removal of road markings, roof chippings and brittle coatings
Milling cutters	Primarily for the removal of thermoplastic road / runway markings. Tipped with tungsten carbide they are cost effective and highly efficient. A range of cutter dimensions are available.
Beam flails	Heat treated cutters for the removal of paint coatings and laitance from new concrete. Also for removing grease, dirt and ice deposits.

4. Safety rules

Attention ! The HUBBEL floor planers are constructed according to existing safety rules and regulations. These technical precautions should not be removed or changed under any circumstances. While operating the machines the following points should also be kept in mind:

1. The planers should always be operated with all safety covers and technical precautions.
2. The operator should never leave the machine during operation.
3. Before leaving the machine all rotary parts should be brought to a stand still. The electric models must be disconnected from the mains. Make sure that the machine cannot roll or move by itself.
4. After maintenance and adjustment all safety covers must be reattached.
5. If the noise level exceeds 90 dB(A) ear protectors must be worn.
6. In the event of a large amount of dust during operation connect a dust collector to the planer.

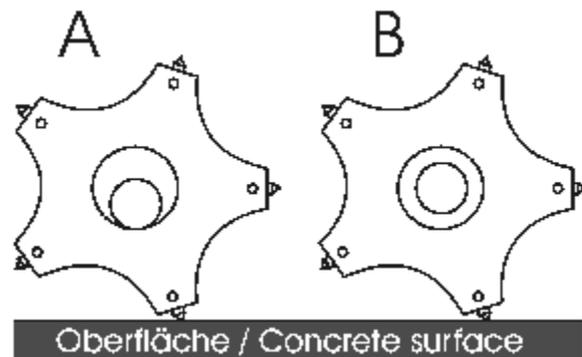
5. Operating

- a. After mounting the appropriate tools the operation of the planer can begin.
- b. Tilt the planer backwards until the tools are clear of the ground. Switch the planer on.

Attention: Never switch the motor of the planer on while the tools still touch the floor. Always lift the machine and the tools clear from the floor and then switch the motor on.

Attention: Lowering the tools too much by loosening the screws of the rear wheel swing decreases the performance of the machine. You will also destroy the shafts in the drum and the bearings of the machine.

Attention: Lowering cutter adjuster too far will cause cage shafts to pinch cutters between the shaft and the surface (A). This will cause cutters, shafts, and cage to break. The cutters should be able to move freely around the shafts at all times (B).



- c. Heavy dust can be avoided by connecting a dust collector to the dust port.

6. Changing the drum

Attention: Before any maintenance, the machine must be brought to a complete stand still. Always disconnect the machine if it is an electric model.

- Unscrew the screws on the right side plate (M10, Key width 17 mm)
- Carefully remove the side plate.
- Tilt the machine backwards until the handle bar rests on the floor so that the tools are visible.
- Take out the drum. Remove worn out tools. Check shafts and drums for wear and tear. If necessary replace new tools on the drum.
- Push drum on freshly greased shaft.
- Reconnect side plate.

7. Maintenance and cleaning

7.1 Bearings

All bearings are greased for their life time.

7.2 Belt drive

Check the belts after approximately every 30 hours of operation. To tension the belt you need to raise the motor bracket. Disconnect the belt drive cover. Loosen the 4 M10 screws of the motor flange. Raise the motor until the belts are tensioned. Tighten the screws again.

7.4 Cleaning

Regular cleaning of the machine increases the life of all components and tools of the planer.

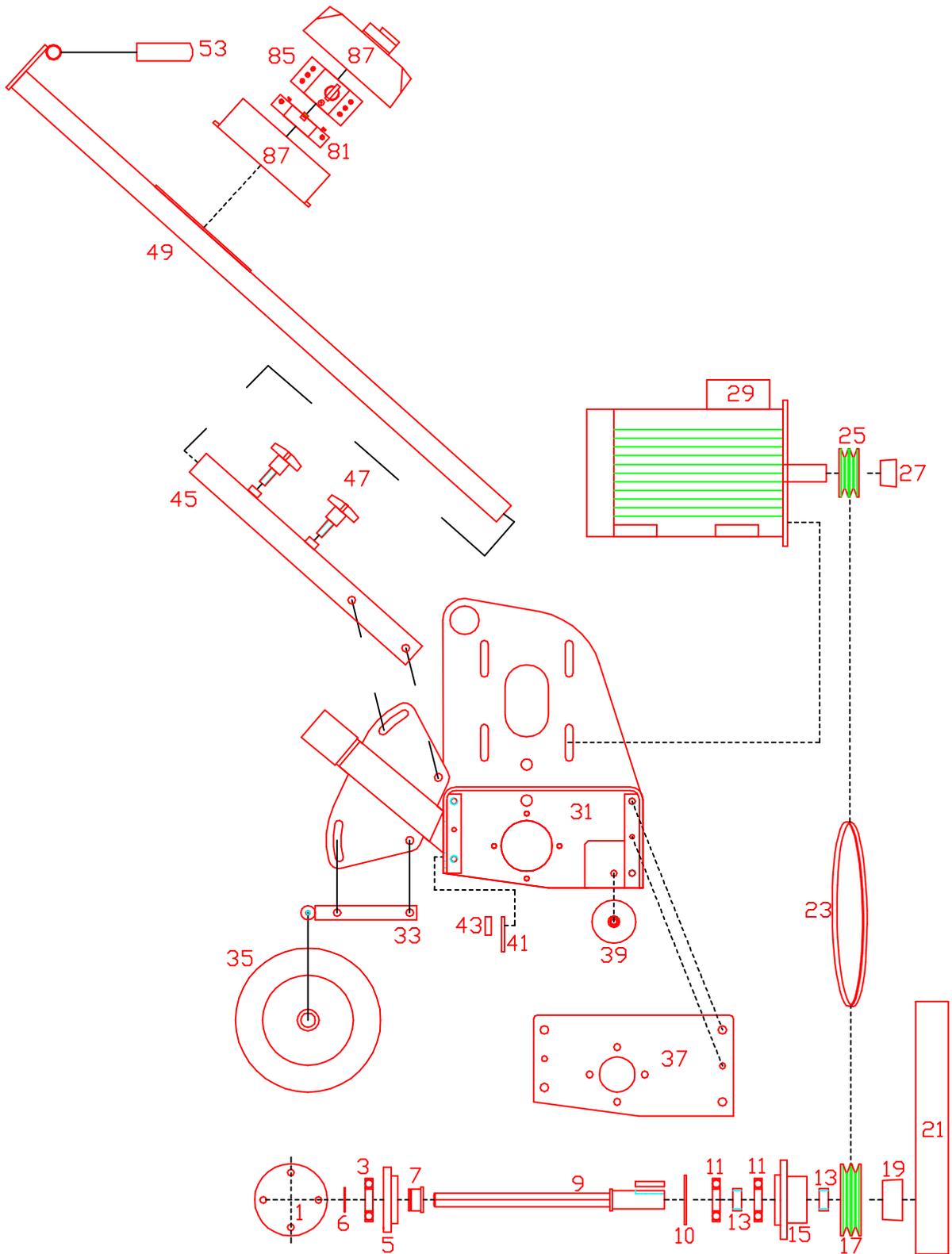
8. Appendix

Diagrams

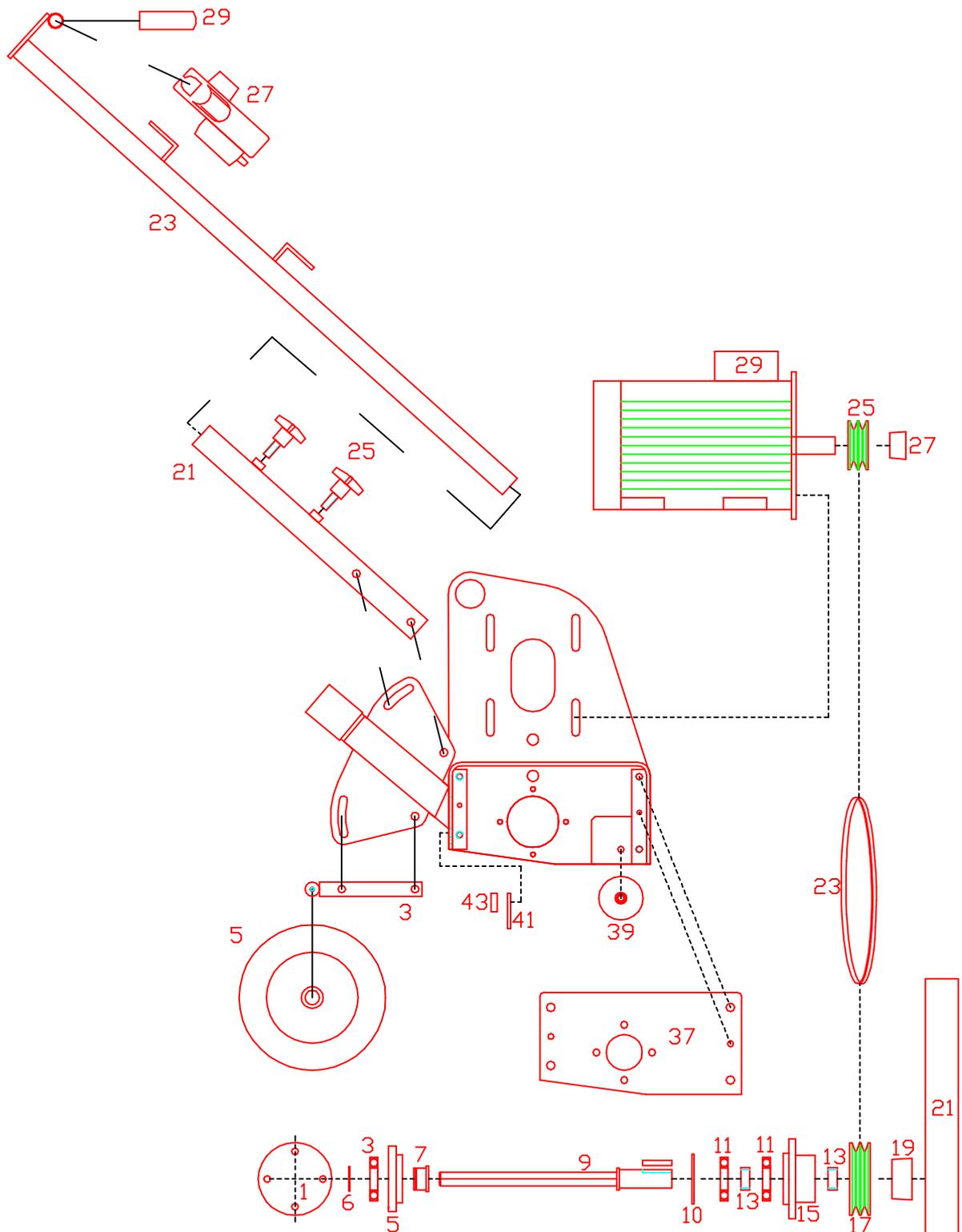
Tools

Part list

Hubbel 110 V, 50/60 Hz
(c) Contec GmbH 2007



Hubbel 230 V, 50 Hz
(c) Contec GmbH 2007



Werkzeuge für HUBBEL
 Tools for HUBBEL
 (c) Contec GmbH 2007

100 Trommel / drum



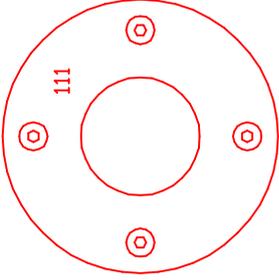
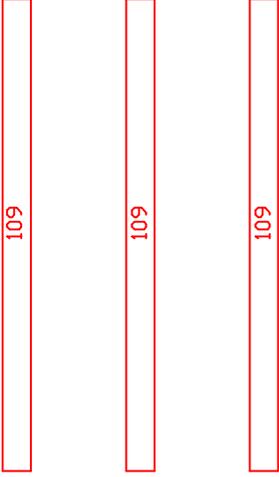
101 64 Lamellen /
 64 cutters
 64 Scheiben /
 64 spacers



107



103 36 Schäl lamellen /
 36 milling flails
 68 Scheiben /
 68 spacers



105 116 Strahlenlamellen /
 116 beam flails
 116 Scheiben /
 116 spacers

