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Manual

SCANTOOL
75FG
150FG
Floor Belt Grinding Machines

CE

UK

EC declaration of conformity

SCANTOOL A/S
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hereby declares that

SCANTOOL 75FG and 150FG floor belt grinders are manufactured in accordance with the provisions of the European Parliament and Council Directive 2006/42 / EC of 17 May 2006

And also in accordance with:

- Low Voltage
- EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 2014/35 / EU of 26 February 2014

- EMC
- EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 2014/30 / EU of 26 February 2014

DK 9460 Brovst
Claus Nielsen,
Producent

Contents

1. Transport & handling

1.1 Transport

The floor grinder is delivered mounted on a pallet wrapped in protective packaging with the following dimensions: 120 x 80 x 120 cm. During transport, the handle is (see fig 2.1 no. 11) "bent in".

1.2 Handling

The floor grinder can easily be transported on the pallet on which it is delivered. The pallet has strips attached near the two aluminium wheels that prevent the floor grinder from running. Remove the floor grinder from the pallet. Then it can be lifted down from the pallet.

During transport it should be checked that the grinding belt has not been in contact with the underlay and that it rotates freely. See fig 2.1: the weight of floor grinder should be on the transport wheel (no. 10) when the belt grinder is not in use. This can be attended to by adjusting the height of the transport wheel (No. 2) and the grind adjustment (No. 4).

1.3 Connection

The electrical connection and the power on/off switch are on the handle (see fig 2.1 no. 1 and 8). The 4.1 and 5.6 kW motor is equipped with a motor protection device and zero voltage release for direct connection to 3 x 400 / 415 V or 3 x 230 V, 50 / 60 Hz. Connection should only be made with a shorter cable (minimum wire gauge 1.5 mm²) with a plug connection, whereby a total electrical cut-off is possible.

The machine is equipped with a switch with a 0 voltage relay and connected to the desired voltage (V). The electrical connection must be performed by an authorized fitter. It must be checked that the motor (and any fan) has the correct direction of rotation (see the arrow on the motor).

1.4 Belt Adjustment

Before grinding begins, it should be checked that the belt grinder runs correctly when idling. This means that the belt is not in contact with the floor. Lift the belt off the floor by loosening the height adjustment of the transport wheel (See fig. 2.1 no. 2). When starting the machine, it is possible that the belt will run crooked. This can be adjusted with the adjustment handle no. 6 (see fig. 2.1) as follows:

- clockwise - the belt runs to the left
- counter-clockwise - the belt runs to the right

1.5 Fastening the Handle

Upon receipt, the handle can turn freely around the shaft. Tighten the two Unbrako screws near the shaft so that the handle is at the working height, which the operator desires.

2. Directions

After the above connection and belt adjustment, the floor grinder is ready for use. Each time you start a new surface, you have the option of adjusting the grinding

height or the thickness of the grind and tip of the belt/grinder. The belt grinds near the contact disc (3). The lifetime of a new grinding belt is increased if you start with light grinding pressure. This is done by starting the machine without the machine touching the underlay, and then you can carefully test whether the grinding is correct or if you wish to change something. The height can be adjusted while the machine is running, since you turn the grinding adjuster (4). If you want to adjust the grinding tilt, it is recommended that you turn off the switch (8) and then turn the tilt adjustment (9). This is because the machine can move by itself if the contact wheel is touching the floor.

2.1 Floor Grinding

Start the belt by pushing the green button. The operator stands and holds the handle (11). Avoid touching the grinding spot, since it will be hot during grinding. Sparks are formed under the machine during grinding and flammable material should not be near the grinding spot.

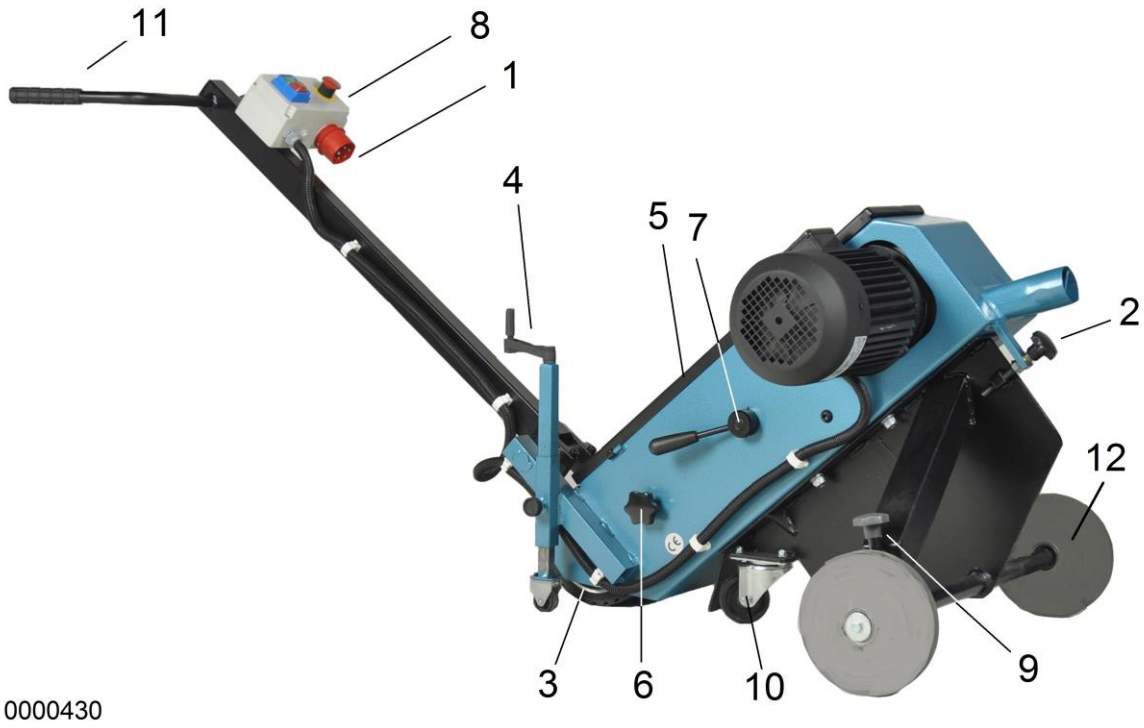

Fig. 2.1 Parts of the floor grinder

Item no.	Description
1	Electrical connection
2	Height adjustment of transport wheel
3	Contact wheel
4	Grinding adjustment
5	Top cover
6	Belt adjustment / Adjustment handle
7	Belt release
8	Power switch
9	Tilt adjustment
10	Transport wheel
11	Handle
12	Propulsion wheels

2.2 Belt Change / Correction of the Location of the Belt

If the belt has lost its ability to grind or is stuck, do the following:

1. Turn off the machine.
2. Make sure that the belt is not moving and that the contact wheel is not touching anything.
3. Open the side cover that is sitting opposite of the belt release (7) by loosening two Unbrako screws. Open the black top cover (5).
4. Loosen the belt by turning the belt release (7), and the grinding belt can now be put in the correct position or be removed.
5. The belt can now be changed (the arrow on the belt must point in the direction of rotation).
6. Tighten the belt again by returning the belt release, close the side cover and now you can test it carefully. First using your hand and then by turning on the machine briefly. You can adjust the belt sideways using the adjustment handle (6). See also section 1.4 (Belt adjustment).
7. Then close the black top cover.

2.3 Maintenance

Clean as needed, perhaps with compressed air so that grinding dust is removed from the contact wheel, drive wheel and other movable parts. Change the grinding belt as needed, see the section on changing the belt. The contact wheel should be changed if the edges have become rounded or if the track is defective.

2.4 Safety Rules for Stationary Power Tools.

Follow them to achieve best results and full benefit from your new machine.

<table>
<tr>
<td>The good craftsman respects the tools with which he works. He knows they represent years of constantly improved design. He also knows that they are dangerous if misused. This is the theme of a new safe-use program for stationary power tools. The safety rules are based on approved practices in industrial and home shops
  </td>
<td>1. Know your power tool. Read the owner’s manual carefully. Learn its applications and limitations, as well as the specific potential hazards peculiar to this tool.
  </td>
</tr>
<tr>
<td>2. Keep guard in place and in working order.
  </td>
<td>3. Ground all tools. If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accommodate a two-prong receptacle, the adapter wire must be attached to a known ground. Never remove the third prong.
  </td>
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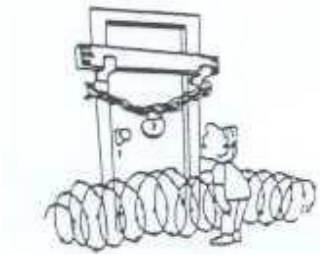
4. Remove adjusting keys and wrenches. Form habit of checking to see that keys and adjusting wrenches is removed before turning it on.

5. Cluttered areas and benches invite accidents.

6. Avoid dangerous environment. Don't use power tools in damp or wet locations or expose them to rain. Keep your work area well lighted.

6. Keep children away. All visitors should be kept in a safe distance from work area.

8. Make workshop kid proof with padlocks, master switches, or by removing starter keys.



9. Don't force tool. It will do the job better and be safer at the rate for which it was designed.

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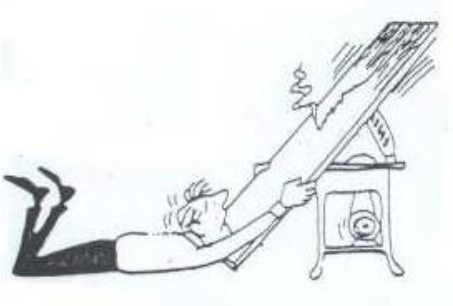
10. Use right tool. Don't force tool or attachment to do a job it was not designed for.

11. Wear proper apparel. Wear no loose clothing, gloves, neckties, rings, bracelets, or other jewellery which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.

12. Always use safety glasses. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses. They are **NOT** safety glasses.

13. Secure works. Use clamps or vice to hold works, when practical. It's safer than using your hands and it frees both hands to operate tool.

14. Don't overreach. Keep proper footing and balance at all times.



15. Maintain tools with care. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

16. Disconnect tools before servicing and when changing accessories such as grinding wheels, polishing mops, grinding belts, blades, bits, cutters, etc. 	**17.** Reduce the risk of unintentional starting. Make sure switch is in off position before plugging in. 
18. Use recommended accessories. Consult owner's manual for recommended accessories. Use of improper accessories may cause risk of injury to persons.	**19.** Do not work in a manner that can injure yourself. Never work in a bent-over position. Stand up straight. Alcohol and other drugs should not be consumed while working.

3. Spare Parts

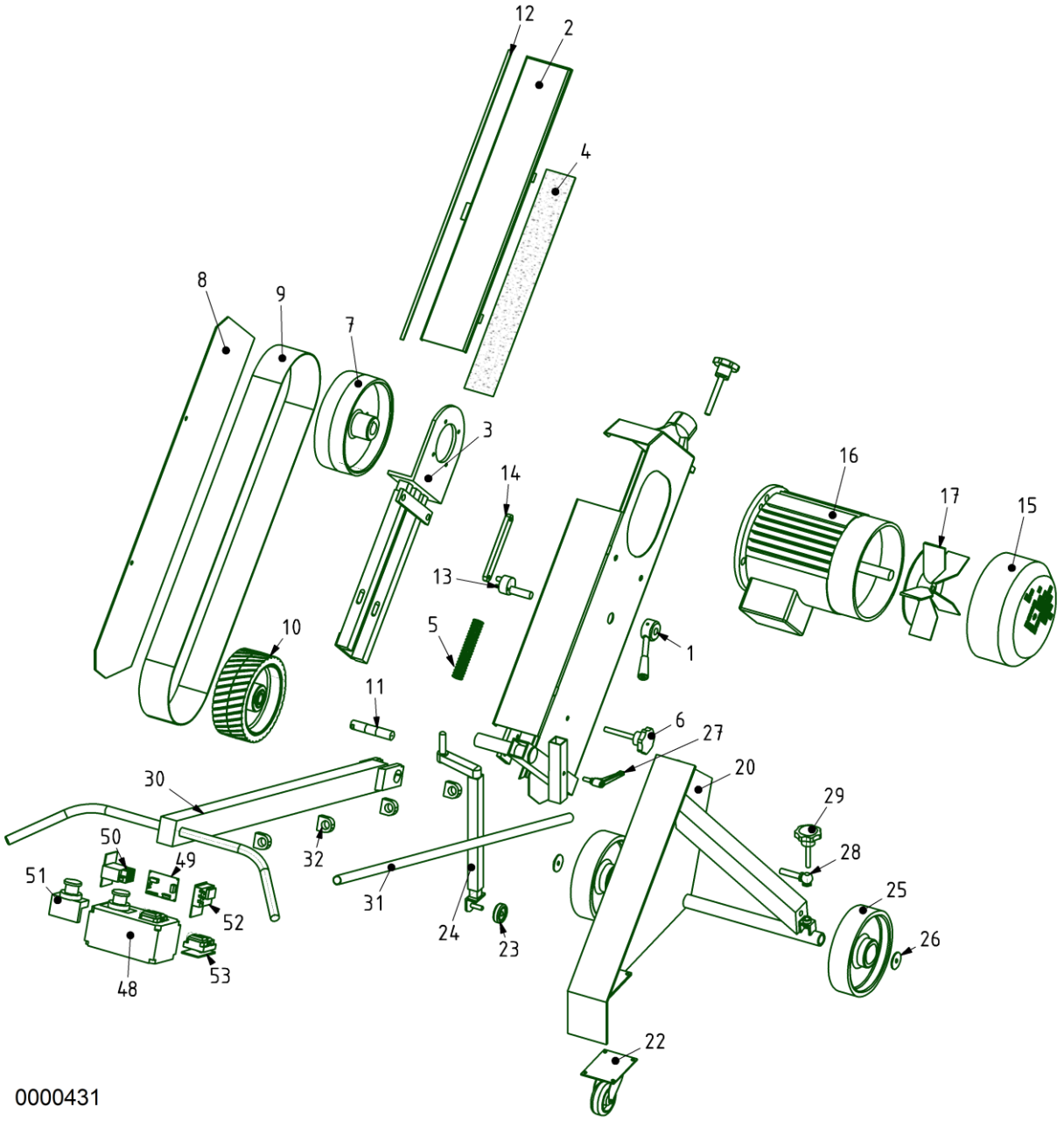


Fig.: 3.1.1 Split drawing of an FG belt grinder with no exhaust

3.1 Spare parts list for FG Belt grinders.

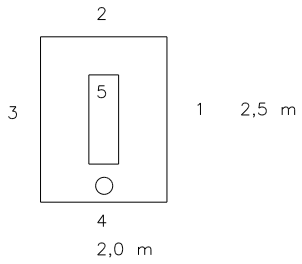
Item no.	Description	75	150
1	Belt release handle	10103036	10103036
2	Topdæksel	3200202	
3	Teleskop	10103038	10103038
4	Grafitslibeunderlag	1055669	
5	Fjeder for teleskop	10102825	10102825
6	Stjernegreb f/båndjustering	10103039	10103039
7	Drivhjul	10103040	3200229
8	Sideplade	3200205	3200205
9	Slibebånd 2000	0217060	0223060
10	Kontaktskive med kuglelejer	1535005	1535007
11	Aksel f/kontakthjul	10103022	10103222
12	Tætningsliste	10102826	10102826
13	Ekscentrik f/båndløsner	10103037	10103037
14	Trækstang for teleskop	3200108	3200108
15	Motordæksel	3200228	
16	Motor	2030028	2030037
17	Ventilatorvinge	3200227	
20	FG-stativ	3200208	3200208
21	Stjernegreb M12	3200207	3200207
22	Transporthjul	3200209	3200209
23	Støttehjul	1007542	1007542
24	Arm og leje for slibejustering	1007543	1007543
25	Hjul af alu	3200210	3200210
26	Skærmskive Ø39	3200222	3200222
27	Kipgreb M8x20	0105134	0105134
28	Forbindelse	3200221	3200221
29	Stjernegreb f/hældningsjust.	3200220	3200220
30	FG styr	3200211	3200211
31	Plastrør f/el	3200226	3200226
32	Rørholder	3200223	3200223
33	Kabinet	3200209	
48	Afbryder kpl.	0188843	0188843
49	Bremsemodul (Ekstraudstyr)	0188845	0188845
50	Kontaktor	0188887	0188887
51	Nødstop kpl.	0188892	0188892
52	Termorelæ	0188886	0188886
53	Gummihætte f/start – stop	0188893	0188893

4. Technical Data

4.1 Specifications

		FG 75	FG 150
Motor	kW	4,1	5,6
Contact wheel	mm	200 x 75	200 x 150
Drive wheel	mm	225 x 75	225 x 150
Grinding belt	mm	2000 x 75	2000 x 150
Belt speed	m/s	33	33
Weight	kg	80	100
W x H x L	mm	740 x 930 x 2100	800 x 930 x 2100

4.2 Sound power level of belt grinders type FG:



The noise level for SCANTOOL belt grinding machine has been measured to 80 dB (A) according to the measuring instruction in the note 561 from the Work Inspection Department on device of technical aids. We would like to point out that certain safety rules concerning process ventilation must be observed before use. In accordance with notice concerning the organization of fixed work places that is found atwww.at.dk/regler/bekendtgørelse, or can be obtained from AT.

4.3 Circuit Diagrams

Floor grinding machines can be connected to 3 x 400/440 V, 50/60 cycles and to 3 x 230 V 50/60 cycles. There are two circuit diagrams: One velocity grinder with no motor brakes (Circuit Diagram 1) and two velocity grinder with no motor brakes (Circuit diagram 5).

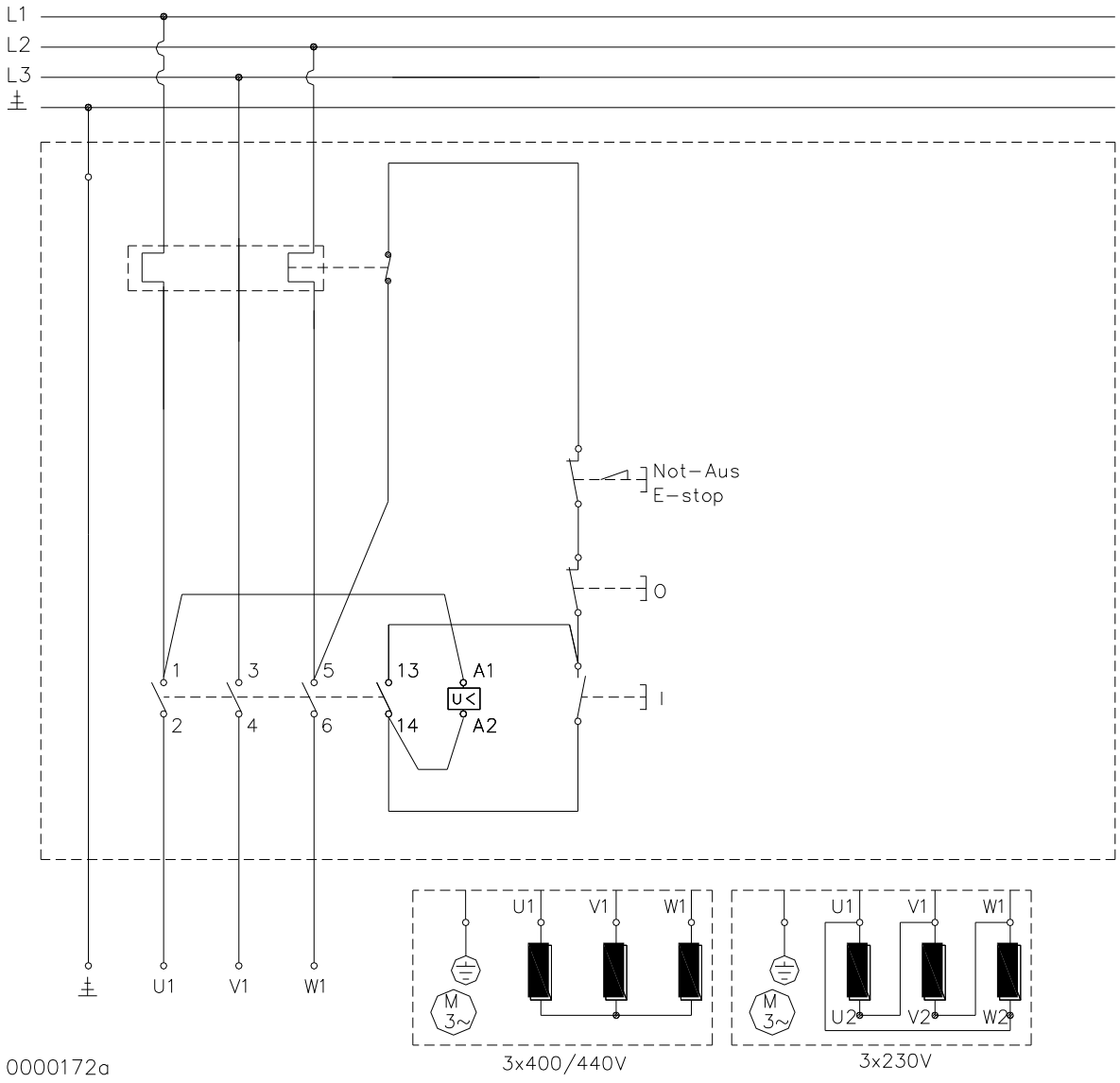
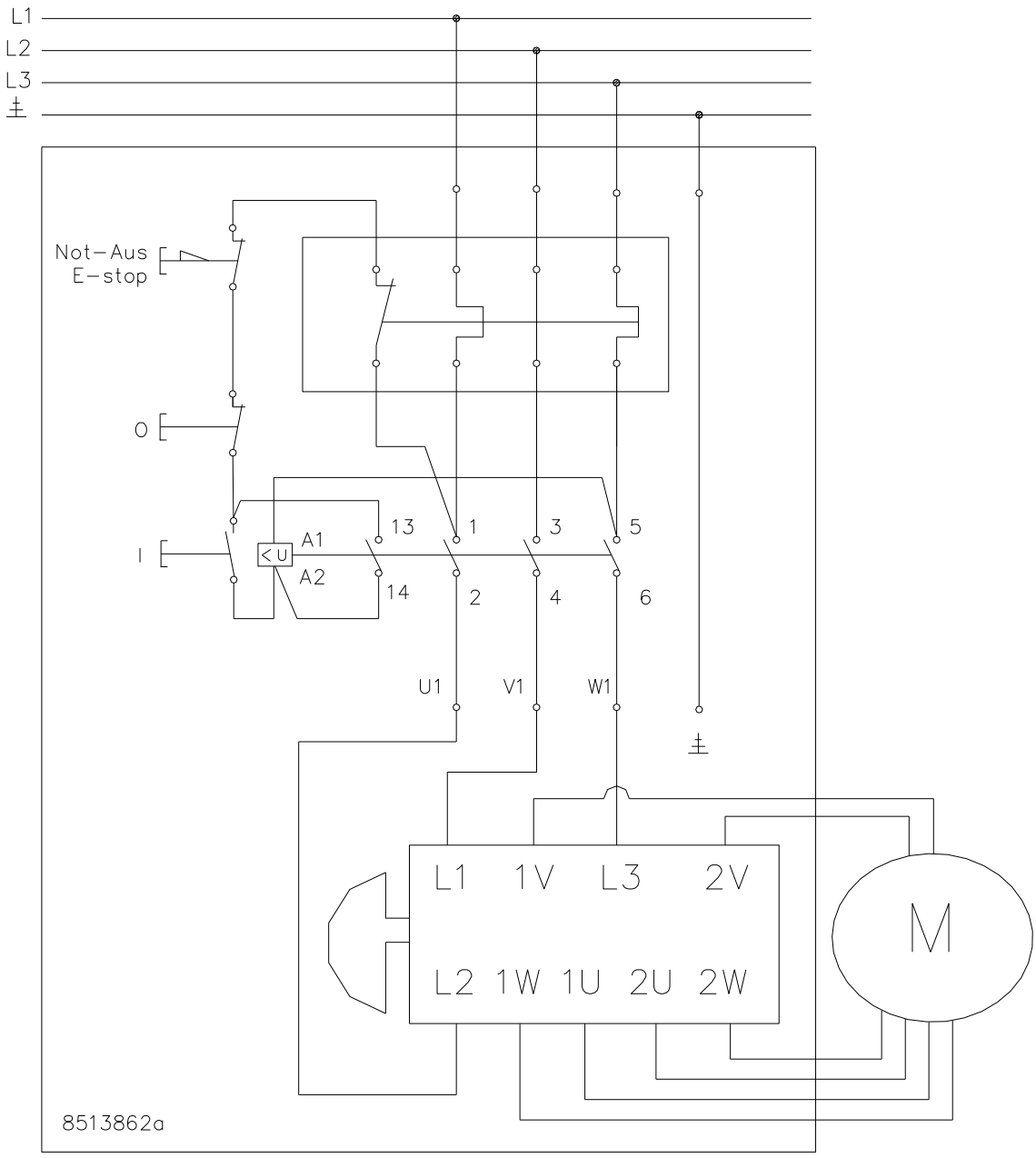


Fig.: 4.3.3 Diagram of belt grinder with no brakes and no exhaust motor.



Circuit Diagram 5:Belt grinder with two velocities and no exhaust motor.

5. Warranty

If within 2 year of purchase this machine supplied by Scantool A/S becomes defective due to faulty materials or workmanship we guarantee to repair or replace the machine or defective part or parts free of charge provided that:

1. The product is returned complete to one of our Service Branches or Official Service Agents.
2. The product has not been misused or carelessly handled and in particular has not been used in a manner contrary to the operating instructions.
3. Repairs have not been made or attempted by other than our own Service Staff or the staff of our Official Service Agents.
4. Documentary proof of purchase date is produced when the goods are handed in or sent for repair.
5. Wear parts are not covered by the warranty