TECHNICAL SPECIFICATIONS

Voltage | 230 V~
Frequency | 50 Hz
Power input | 1050 W
No load speed/min | 9000-30000
Max. cutter diameter | 30 mm
Cutting depth | 30 mm
Collet | 6.8 mm
Weight | 3.28 kg
Lpa (sound pressure) | 89.0 dB(A)
Lwa (sound power) | 102.0 dB(A)
Vibration value | 4.3 m/s²

SAFETY INSTRUCTIONS

ELECTRICAL SAFETY

Always check that the power supply corresponds to the voltage on the rating plate.
Your machine is double insulated in accordance with EN 50144; therefore no earthwire is required.

Replacing cables or plugs
Immediately throw away old cables or plugs when they have been replaced by new ones. It is dangerous to insert the plug of a loose cable in the wall outlet.

Using extension cables
Only use an approved extension cable suitable for the power input of the machine. The minimum conductor size is 1.5 mm². When using a cable reel always unwind the reel completely. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid hazard.

GENERAL SAFETY INSTRUCTIONS

Warning! When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following. Read all these instructions before attempting to operate this product. Retain for future reference.
1. Keep work area clean
   Cluttered areas and benches invite injuries.

2. Consider work area environment
   Don’t expose power tools to rain. Don’t use power tools in damp or wet locations. Keep work area well lit. Don’t use power tools in presence of flammable liquids or gases.

3. Guard against electric shock
   Prevent body contact with grounded surfaces (e.g., pipes, radiators, ranges refrigerators).

4. Keep children away
   Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.

5. Store idle tools
   When not in use, tools should be stored in dry, high, or locked-up place, out of reach of children.

6. Don’t force tool
   It will do the job better and safer at the rate for which it was intended.

7. Use right tool
   Don’t force small tools or attachments to do the job of heavy duty tool. Don’t use tools for purposes not intended.

8. Dress properly
   Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and nonskid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.

9. Use safety glasses
   Also use face or dust mask if cutting operation is dusty.

10. Don’t abuse cord
    Never carry tool by cord or yank it to disconnect it from receptacle. Keep cord from heat, oil and sharp edges.

11. Secure work
    Use clamps or a vise to hold work. It’s safer than using your hand and it frees both hands to operate tool.

12. Don’t overreach
    Keep proper footing and balance at all times.

13. Maintain tools with care
    Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.

14. Disconnect tools
    When not in use, before servicing, and when changing accessories such as blades, bits and cutters.

15. Remove adjusting keys and wrenches
    Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

16. Avoid unintentional starting
    Don’t carry plugged-in tools with finger on switch. Be sure switch is off when plugging in.

17. Outdoor use extension cords
    When tool is used outdoors, use only extension cords intended for use outdoors and so marked.

18. Stay alert
    Watch what you are doing. Use common sense. Do not operate tool when you are tired.

19. Check damaged parts
    Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by an authorized center. Do not use tool if switch does not turn it on and off.

20. Warning
    The use of any other accessory or attachment other than recommended in this operation instructions or the catalog may present a risk of personal injury.

21. Have your tool repaired by an expert
    This electric appliance is in accordance with the relevant safety rules repairing of electric appliances may be carried out only by experts otherwise it may cause considerable danger for the user.

22. Connect the dust extraction device
    Whenever there are facilities for fitting a dust extraction system, make sure it is connected and used.
    - Check workpieces for any protruding nails etc. and remove these.
    - Keep your hands away from the surface to be cut.
    - Hearing protectors should be worn.

MOUNTING ACCESSORIES

Prior to mounting an accessory always unplug the tool.

⚠️ Wait until the machine has come to a complete standstill and the cutter has cooled down before replacing a cutter.

MOUNTING AND REMOVING CUTTERS

Fig. B

Only use cutters with a shaft diameter which corresponds with the size of the collet. Only use cutters which are suited for the maximum speed of the machine. The cutter diameter should not exceed the maximum diameter (see ‘Technical specifications’).

- Press the spindle lock (7) and turn the collet nut (6) until it engages in the lock. Keep the spindle lock pressed during this procedure.
- Open the collet nut using the wrench.
- Place the cutter shaft in the collet.
- Tighten the collet nut so that the cutter is locked properly.
- Open the collet nut when you want to replace a cutter.

MOUNTING AND ADJUSTING THE PARALLEL GUIDE

Fig. C

The parallel guide is a handy aid when working on narrow workpieces.
• Mount the parallel guide. Attach the guide rods (18) on the frame (17) using the bolts (19).
• Loosen the locking bolts (4) and slide the guide rods in the openings (5).
• Adjust the parallel guide to the desired guide distance.
• Tighten the locking bolts again.

MOUNTING THE GUIDE BUSH
Fig. D
The guide bush is a handy aid for cutting a pattern.
• Mount the guide bush (20) on the router base (3) using the screws (21).

MOUNTING THE ADAPTER FOR DUST EXTRACTION
Fig. E & F
Use the dust adapter for the extraction of dust.
• Mount the dust adapter (15, Fig. E) with the screws (21) on the cutter sole (3).
• Place the dust tube (62) in the dust output (16 Fig. F).
• Place the tube of your vacuum cleaner on the dust tube (62, Fig. F).

Keep the outlet of the machine behind the machine for a good view on the workpiece.

OPERATION

Always observe the safety instructions and applicable regulations.

Hold the machine in rest position on the workpiece when switching the machine on or off. The cutter in the collet may damage the workpiece.
• Clamp the workpiece and make sure that the workpiece cannot slide from under the machine during the cutting activities.
• Hold the machine firmly and move it evenly over the workpiece. Do not force the machine.
• Only use cutters which do not show any signs of wear. Worn cutters have a negative effect on the efficiency of the machine.
• Always switch off the machine first before removing the plug from the wall socket.

ADJUSTING THE CUTTING DEPTH
Fig. G
The cutting depth can be adjusted in three ways.

Adjustment using the height adjusting button
• Use the height adjusting button (14, Fig. A) to set a fixed cutting depth. Rotate the button clockwise to lower the machine’s height; rotate the button counterclockwise to raise the machine’s height.

Adjustment using the scale
• Loosen the locking bolt of the depth stop (9).
• Release clamping lever (11) and press the machine so far down until the cutter touches the workpiece.
• Tighten the clamping lever again.

Adjustment using the revolver-depth stop
The revolver-depth stop enables you to quickly choose between six different cutting depths. These are also determined by the adjustment of the depth stop (10).
• Adjust the required cutting depth by rotating the revolver-depth stop (8).

SWITCHING ON AND OFF
Fig. A
• To switch the machine on, you press down the on/off switch (1) using your thumb. You can adjust the cutting speed by turning the adjusting wheel (13).
• To switch the machine off, you release the on/off switch.

Always select a low speed for cutting plastic workpieces.

Do not put the machine down when the motor is still running. Do not place the machine on a dusty surface. Dust particles may enter the mechanism.

SUPPLIED ROUTER BITS

<table>
<thead>
<tr>
<th>Straight 8 x 6 x 19</th>
<th>Straight 8 x 12 x 19</th>
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<tbody>
<tr>
<td>Straight 8 x 16 x 19</td>
<td>Flush trim 8 x 12.7 x 14</td>
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ENVIRONMENT
In order to prevent the machine from damage during transport, it is delivered in a sturdy packaging. Most of the packaging materials can be recycled. Take these materials to the appropriate recycling locations. Take your unwanted machines to your local Ferm dealer. Here they will be disposed of in an environmentally safe way.

GUARANTEE
The guarantee conditions can be found on the separately enclosed guarantee card.

MAINTENANCE
During maintenance and cleaning always remove the mains plug from the socket. Never use liquids when cleaning electrical parts of the saw bench.

Cleaning
Keep the ventilation slots of the machine clean to prevent overheating of the engine. Regularly clean the machine housing with a soft cloth, preferably after each use. Keep the ventilation slots free from dust and dirt. If the dirt does not come off use a soft cloth moistened with soapy water. Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

Lubrication
The machine requires no additional lubrication.

Faults
Should a fault occur, e.g. after wear of a part, please contact your local Ferm dealer. In the back of this manual you find an exploded view showing the parts that can be ordered.