

# **FIXMAN** CIRCULAR SAW


**FM6001200**



**www.ALIRAC.gr**    **info@ALIRAC.gr**

**FIXMAN**



 Read and follow all safety instructions



 0086 574 86322625

 0086 574 86321666

 [www.fixman.cc](http://www.fixman.cc)

### General Information

- The vibration total value declared was measured using a standard test method and can be used to compare one tool with another.
- The vibration total value reported can also be used as an assessment of preliminary exposure level.

### Declaration

- The vibrations by the tool in normal use may differ from the declared value depending on how it is used.
- Appropriate measures must be taken to protect the user based on an estimate of exposure during normal use of the tool.

### GENERAL SAFETY INSTRUCTIONS FOR ELECTRIC TOOLS



This device is for D.I.Y. use!



**WARNING!** Read all instructions. Failure to follow all

instructions listed below may result in electric shock, fire and/or serious injury. **SAVE THESE INSTRUCTIONS**

#### 1) Work area

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- Do not operate machines in explosive environments, such as in the presence of flammable liquids, gases or dust. Machines create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a machine. Distractions can cause you to lose control.

#### 2) Electrical safety

- Machine plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) machines. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose machines to rain or wet conditions. Water entering a machine will increase the risk of electric shock.

- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the machine. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a machine outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

#### 3) Personal safety

- Stay alert! Watch what you are doing and use common sense when operating a machine. Do not use a machine when you are tired or under the influence of drugs, alcohol or medication. A moment of distraction while operating machines may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying machines with your finger on the switch or plugging in machines that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the machine on. A wrench or a key left attached to a rotating part of the machine may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the machine in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.

#### 4) Machine use and care

- Do not force the machine. Use the correct machine for your application. The correct machine will do the job better and safer at the rate for which it was designed.
- Do not use the machine if the switch does not turn on and off. Any machine that can not be controlled with the switch is dangerous and must be

repaired.

- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing away. Such preventive safety measures reduce the risk of starting the machine accidentally.
- Store idle machines out of the reach of children and do not allow persons unfamiliar with the machine or these instructions to operate the machine. Machines are dangerous in the hands of untrained users.
- Maintain machines. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the machines operation. If damaged, have the machine repaired before use. Many accidents are caused by poorly maintained machines.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- Use the machine, accessories and tool bits etc... in accordance with these instructions and in the manner intended for the particular type of machine, taking into account the working conditions and the work to be performed. The use of the machine for operations different from intended could result in a hazardous situation.

**5) Service**

- Have your machine serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the machine is maintained. Use SCHEPPACH appointed servicing agents.

**⚠ WARNING:** Keep hands from the cutting area and blade. Keep both hands on gripping handles at all times. If both hands hold the saw, they can not be cut by the blade. Keep blade away from any part of your body. The guard can not protect you from the blade in the work piece.

- Adjust the cutting depth to the thickness of the work piece. Never hold the cutting work piece in your hands or your legs. Make sure the work piece is on a stable platform, preferably clamped .It is important that the work piece is properly supported to minimize exposure of the body, the seizure of the blade or loss of control.
- Hold the tool by the insulated gripping surfaces, to avoid any electrical shock should it come into contact with electrical cables.

- When cutting, always use a rip fence or guide for straight edges. This improves the precision of the cut and reduces the risk of jamming of the blade.
- Always use blades with the correct bore size and diameter (should be new paragraph) Never use damaged or incorrect washers and bolts. Washers and bolts of blades have been specially designed for your saw to ensure optimum performance and reliability. (need to align with other billet points) Only use recommended wood saw blades.



**WARNING:** Always wear eye protection.



**WARNING:** Always wear dust mask protection.



**WARNING:** Always wear hearing protection, particularly during extended periods of operation of the tool, or if the operation is noisy. Double insulation for safer operation. It is not necessary to connect to a socket with earth.

**PREPARING THE CIRCULAR SAW**

**⚠ Warning!** Ensure that when you perform the following work the machine is not connected to the mains power supply.

**Depth of Cut Adjustment**

Release the locking lever (18) of the depth of cut adjustment on the back section of the saw. Hold the shoe of the saw (7) tightly and pull up the motor section (13) by handle (2). The depth of cut is determined by the scale (15). Fix the setting in place by operating the locking lever again (18). The depth of cut should be 3 mm longer than the thickness of the work piece.

**Adjusting the Parallel Stop**

Your circular saw has a parallel stop (8). This makes it possible to saw a straight line parallel to the edge of the work piece. On the front section of the shoe of the saw (7) there are recesses into which the parallel stop (8) can be inserted sideways. Push the stop (8) in until you have reached the desired distance to the saw blade. Fix the setting in place with the locking screw (6).

### Adjusting the Bevel

With the Circular Saw you can bevel up to 45°. Remove the mains plug from the socket. Loosen the locking screw (14) on the front end and rear end of the shoe (7). Place the Circular Saw at the desired angle on the bevel scale. Fix the setting in place with the locking screw (14).

### Changing the Saw Blade (9)

**⚠ Warning!** Remove the mains plug from the socket! Use gloves to protect yourself from cuts!

1. Move the motor section (13) of the saw via the depth of cut adjustment (18) to the top position and lock it in place.
2. Press the shaft lock (20) so that the blade cannot revolve and use the hexagon key to loosen the hexagon bolt. Then remove the hexagon bolt, outer flange and blade.
3. To install the blade, follow the removal procedure in reverse.
4. Ensure blade is properly mounted.

**⚠ Warning!** BE SURE TO TIGHTEN THE HEXAGON BOLT SECURELY!

### Working with the Circular Saw

**⚠ Warning!** Only wood saw blades are suitable for your saw! Do not use any saw blades for cutting stone or metal!

- Mark the desired path of the saw blade (9) with a straight line on your work piece.
- The 0° and the 45° mark on the front end of the shoe of the saw (7) indicate where you have to place the saw for a corresponding setting.
- In order to switch on the machine, operate the switch-on locking device (16) and then press the operating switch (17). When you want to switch off the machine, release the operating switch (17).
- Switch the machine on before starting to saw the work piece. Guide the saw without additional pressure and allow the saw time to follow the cutting line.

Caution! Always hold the saw with both hands.

### Dust Extractor

Always use the sawdust extractor facility. You can use a dust extractor, whereby the traditional flexible hose can be inserted into the extractor connection (1).

### MAINTENANCE:

-Adjusting for accuracy of 90° cut.

Never use excessive force when sawing. Too much pressure reduces the speed of the machine, and the required power drops rapidly. This results in overloading which may damage the motor. If the machine becomes too hot, allow it to run without a load for two minutes.

Clean the machine with a clean cloth and a brush. Do not use any solvents. Ensure that the ventilation slits are not blocked!

-Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

Use a screwdriver to remove the brush holder caps, take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

-To extend the working life of your tool, you must have the tool serviced by an authorized SCHEPPACH servicing agent.

-For more information please contact [info@newcopowertools.co.za](mailto:info@newcopowertools.co.za)

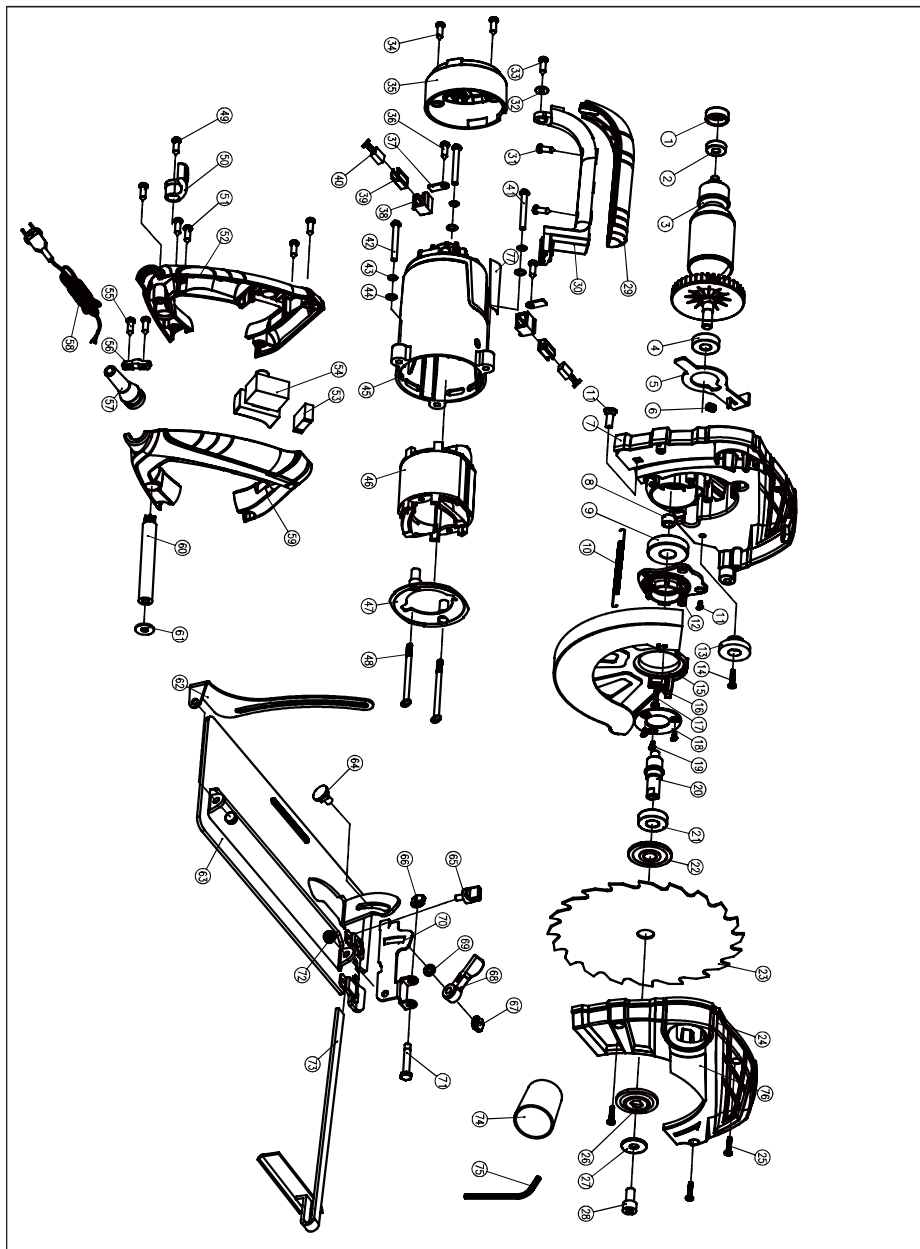
**⚠ Warning!** Be sure to switch power off and disconnect the plug.

### ENVIRONMENTAL PROTECTION



Electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

EXPLODED DIAGRAM



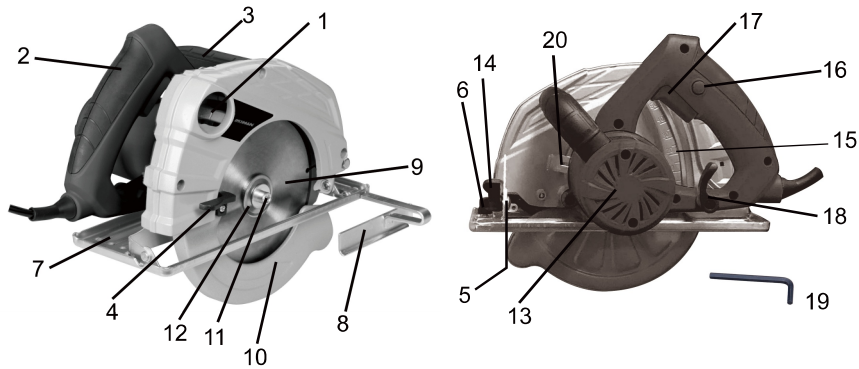
SPARE PART LIST

Parts list

NO.	DESCRIPTION	NO.	DESCRIPTION
1	BEARING BUSH	40	CARBON BRUSH
2	BALL BEARING 607RS	41	SCREW M5X30
3	ROTOR	42	SCREW M5X40
4	BALL BEARING 6000RS	43	WASHER
5	SPINDLE LOCK SPANNER	44	SPRING WASHER
6	SPRING	45	HOUSING
7	FIXED GUARD	46	STATOR
8	BUSH	47	WIND GUIDE
9	GEAR	48	SCREW ST4.1X80
10	SPRING	49	SCREW ST4.1X16
11	SCREW M4X12	50	LOCKING KNOB
12	GEAR BOX COVER	51	SCREW ST4.1X16
13	STOP BLOCK	52	LEFT HANDLE
14	SCREW M6X12	53	CAPACITOR
15	MOVING GUARD	54	SWITCH
16	MOVING GUARD WRENCH	55	SCREW ST4.1X16
17	SCREWM4X6	56	CABLE PRESS BOARD
18	BEARING PRESS BOARD	57	CABLE SLEEVE
19	SCREW M4X10	58	CABLE
20	SPINDLE	59	RIGHT HANDLE
21	BALL BEARING 6001Z	60	LOCKING TUBE
22	INNER FLANGE	61	WASHER 6
23	BLADE	62	DEPTH STAND
24	FIXED GUARD COVER	63	BASE
25	SCREWM4X16	64	BOLT
26	OUT FLANGE	65	LOCKING KNOB
27	WASHER 8	66	NUT
28	SCREW M8X16	67	NUT
29	UPPER HANDLE	68	LOCKING KNOB
30	DOWN HANDLE	69	WASHER 6
31	SCREW ST4.1X16	70	ANGLE STAND
32	WASHER 4	71	BOLT M6X35
33	SCREW ST4.1X13	72	RIVET
34	SCREW ST4.1X16	73	GUIDE RULER
35	REAR COVER	74	DUST TUBE
36	SCREW ST4.1X13	75	ALLEN KEY 6MM
37	BRUSH HOLDER PRESS BOARD	76	LABEL
38	OUTER BRUSH HOLDER	77	NAME PLATE
39	INNER BRUSH HOLDER		

**OVERVIEW**

- 1. Extractor Connection
- 2. Handle
- 3. Front Handle
- 4. Blade Guard Lever
- 5. Bevel Scale
- 6. Locking screw for the parallel stop
- 7. Shoe of the saw
- 8. Parallel stop
- 9. TCT Saw blade
- 10. Blade Guard
- 11. Hexagon Bolt
- 12. Flange Disc
- 13. Housing
- 14. Locking screw for bevel
- 15. Depth Scale
- 16. Switch-on locking device
- 17. Operating switch
- 18. Lever for depth of cut adjustment
- 19. Hex Key
- 20. Shaft Lock



**Supplied with:**

1Pc Hex Key, 1Pc Guage, 1Set Carbon Brush, 1Pc Blade (assembly on the tool) ,1Pc Dust Extraction Tube

**SPECIFICATIONS**

Rated Voltage:	230V~ 50Hz
Input Power:	1200W
No Load speed :	5000 r/min
Blade size(Diameter x bore):	Ø185x20mm
Cutting depth:	Max. 65mm
Bevel cutting capacity:	Up to 45°
LPA (sound pressure):	87dB(A) K=3dB(A)
L <sub>WA</sub> (sound power):	98dB(A) K=3dB(A)
Vibration value:	2.316m/s <sup>2</sup> K=1.5 m/s <sup>2</sup>

