



The following technical datasheet is provided by Bona.

For further information please either give us a call or visit the manufacturer's website.

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Bona FlexiSand 1.9

Technical data sheet



Bona FlexiSand 1.9 is a powerful machine that can be equipped with many sorts of drive plates for a wide variety of floor preparation jobs such as sanding back to bare wood, fine sanding and concrete grinding. With its powerful 1,9 kW motor and robust construction it runs smooth and cool even under heavy load. Bona FlexiSand 1.9 is prepared for the Bona Power Drive, a unique drive plate that allows powerful rotary sanding to bare wood.

- 25% greater motor power and heavier weight compared to Flexisand 1.5
- Easy and ergonomic operation
- Dust containment ready
- Foldable handle for minimum space when transported
- Big wheels for easy transportation
- Power outlet (socket) for accessories
- Prepared for the Bona Power Drive
- Effective concrete grinding with Bona Concrete Disc





Technical data

Motor type:	1 phase
Voltage (+/- 5%):	230 V ~
Frequency:	50 Hz
Power:	1,9 kW
Rated current:	11 A
Safety devices	16 A overload switch (manual reset), thermal protection in the motor (automatic reset)
Recommended fuse:	16 A
Abrasive disc speed: (unloaded)	147 rpm.
Total weight:	50kg
Diameter of disc:	407mm (16")
Height/Width/Depth	1170mm/ 490mm/ 640mm

For further technical data see the machine manual.

Drive plates

Before use, a drive plate has to be attached to the machine. Several different types of drive plates exist for different types of sanding jobs. The most versatile drive plate, the Bona Pad Drive, is included on delivery. To mount a drive plate, tip the machine backwards and place the drive plate towards the center axle underneath the FlexiSand 1.9. Turn the drive plate counterclockwise until it attaches and locks. For mounting the Bona Power Drive, see separate instruction for Power Drive.

	Article	Application	Recommended abrasives/equipment
	Bona Pad Drive, 16" Standard, included on delivery Art. nr. ASO312501	Standard drive plate for a wide variety of jobs. Equip with a suitable pad for cleaning, oiling, buffing and fine sanding of untreated and treated wood.	Bona Nylon Pads Bona Screen Bona Scrad System Bona WoolPad Bona Cloths
	Bona Power Drive 4 x 150 mm Art. nr. ASO312540	Geared drive plate for powerful bare wood sanding. Removes old lacquer and paint coatings while flattening the surface for a perfectly smooth finish.	Bona 8700 Abrasives Bona 8300 Abrasives Bona Diamond Abrasives Bona Intermediate Pads

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	Bona Power Drive NEB 4x 150mm Art. ASK	The flexible Bona Power Drive NEB makes it possible to change between the traditional sanding discs and specially developed brushes. With its specially designed click-on mount.	Bona 8700 Abrasives Bona 8300 Abrasives NEB Sanding Disc NEB Metal Brush NEB Nylon Brush
	Power Drive Neb Disc ART. Ask3199940991	Intermediate disc for mounting velcro abrasive discs	Power Drive NEB
	Power Drive NEB Metal Brush Art. ASK3199941030	First step in a brushing sequence, for aggressive brushing	Power Drive NEB
	Power Drive NEB Nylon Brush Art. ASK3199941020	Second step in a brushing sequence, smoothes the surface and removes scratches.	Power Drive NEB
	Bona Quattro Disc 4 x 150 mm Art. nr. ASO312530	Fine sanding of wooden floors. Suitable as a final finish after belt sanding.	Bona 8300 Abrasives Bona Diamond Abrasives Bona Intermediate Pads
	Bona Multi Disc 6 x 125 mm Art. nr. ASO312520	Fine sanding of wooden floors. Suitable as a final finish after belt sanding.	Bona 8300 Abrasives Bona Diamond Abrasives Bona Intermediate Pads
	Bona Concrete Disc Art. Nr. ASO312570	Drive plate for different types of grinding segments.	Diamond Segment PCD Split Segment PCD Maxi segment
	PCD Splitt (4 segments set) Art. nr. ASO312582	Removes paint and thin layers of glue	Concrete Disc accessory
	PCD Maxi (4 segments set) Art. nr. ASO312581	Aggressive sanding. Suitable for removal of adhesive resins, epoxy, carpet foam and paint	Concrete Disc accessory
	Diamond segment (4 pcs. set) Art. nr. ASO3125711	Medium and hard concrete floors sanding (diamonds keep the same sharpness during their whole life).	Concrete Disc accessory
	LED Lamp Art. nr. ASO319000	For better visibility while sanding. The sanding result becomes easier to see	Flexisand accessory

Directions for use

Carefully read through the entire machine manual and observe the safety instructions before using this machine.

When used for sanding, the vacuum hose and the vacuum ring should be attached to the machine. Any vacuum unit can be attached, but for optimal dust collection connect the Bona DCS 70. Sanding can be done in a variety of ways, using different drive plates and sanding agents.

Before you start the machine, lower the handles as much as possible to a comfortable working position. Start the machine.

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Sanding



To control the machine, lift or lower the handle in very small steps. Pressing the handle lightly downwards will place more weight on the back of the disc which will move the machine to the left. Lift the handle slightly and the machine will move to the right.

If new to this type of machine we strongly recommend to acquaint yourself with the machine by using it together with a non-abrasive white nylon pad. Once you have a feel for how the machine behaves you can proceed with mounting abrasives.

When sanding a wooden floor with a FlexiSand you don't have to think about working in any particular direction. Forward, backward, left, right, it is all up to you. To ensure you don't miss any areas or sand some areas more than others it makes sense however to sand with a systematic approach. First in one direction across the room and then follow the other direction.

A **Bona Scrad** is attached directly to a nylon pad placed onto the mounting plate with its Scrad Wing secured on the underside.

A **screen** is best secured to the mounting plate via a pad. Put the screen on the floor, over that a pad and on top the mounting plate. Place the Flexisand with the centre of the machine housing on top of the plate and start the machine for a second. The connection will then grip into the plate's centre hole.

Cleaning

For cleaning, use a pad, choosing the right colour depending on the task, and remember, use very little water on wooden floors.

Oil

When buffing in oil or polishing, remember to always follow the manufacturer's recommendations. After the oil is buffed in with a pad and the proper time has passed, wrap a rag or a cloth around a clean pad and start polishing the floor surface until the desired result is obtained.

Warning: Risk of self-ignition. Used cloths, rags and similar should be placed in water or sealed metal containers.

Advice

If you are not experienced, start the first time with a white pad attached on a smooth surface. The friction will be low and the machine is easier to control. The lower the handles are, the easier the machine is to control.

Always remember to clean the bottom of the machine after working with oil. Material which remains on the bottom of the machine may contaminate the surface of the next floor which is worked upon. For example, oil residues on the surface of a floor may affect the adhesion of a finish application.

The cable must always be kept clean and undamaged. If an earth circuit breaker is used, plug it into the wall socket, so it protects both cable and machine. A micro breaker on the lower part of the shaft is there to prevent the machine from being started when the handle is in an upright position

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