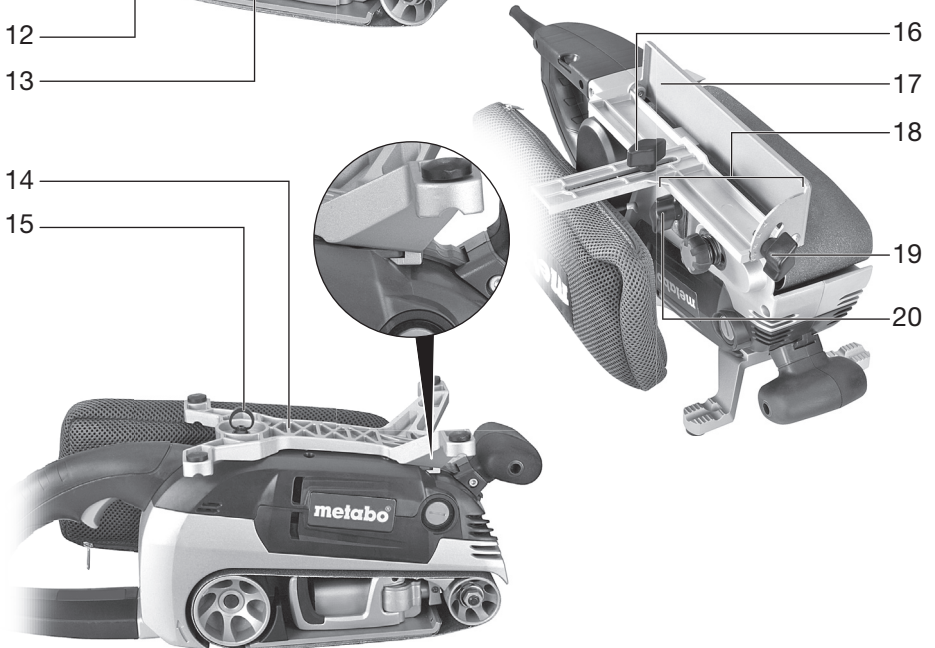
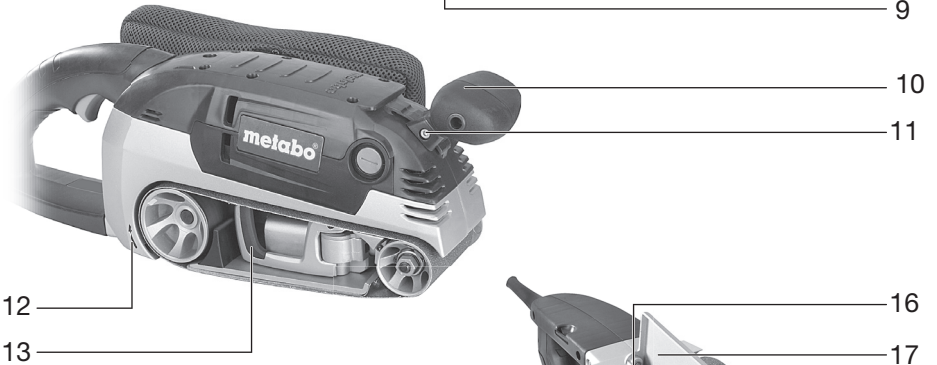
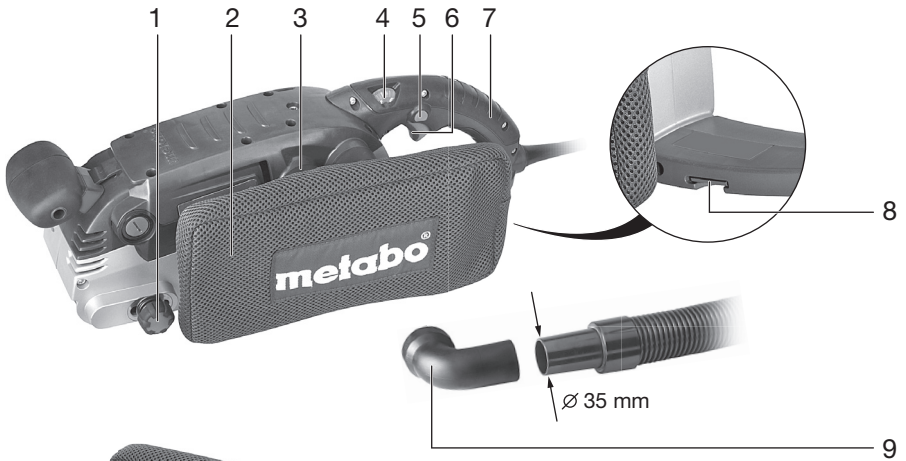
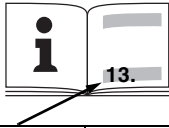



BAE 75

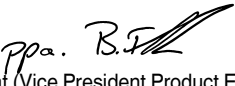


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		BAE 75 *1) Serial Number: 00375..
B_B	mm (in)	75 (3)
B_L	mm (in)	533 (21)
A	mm (in)	85 x 150 (3 ^{11/32} x 5 ^{29/32})
v₀	m/min	240...450
P₁	W	1010
P₂	W	540
m	kg (lbs)	4,7 (10.4)
a_h/K_h	m/s ²	5 / 1,5
L_{pA}/K_{pA}	dB(A)	89 / 3
L_{WA}/K_{WA}	dB(A)	100 / 3


*2) 2014/30/EU, 2006/42/EC, 2011/65/EU
*3) EN 62841:2015, EN 62841-2-4:2014, EN 50581:2012

2019-01-10, Bernd Fleischmann 
Direktor Produktentstehung & Qualität (Vice President Product Engineering & Quality)
*4) Metabowerke GmbH - Metabo-Allee 1 - 72622 Nuertingen, Germany

A



- 3 x P 40 6.31001
- 3 x P 60 6.31002
- 3 x P 80 6.31003
- 3 x P 100 6.31004
- 3 x P 120 6.31005
- 3 x P 150 6.25927
- 3 x P 180 6.31006
- 3 x P 240 6.31007
- 3 x P 320 6.31008



- 10 x P 40 6.25929
- 10 x P 60 6.25930
- 10 x P 80 6.25931
- 10 x P 100 6.25932
- 10 x P 120 6.25933
- 10 x P 150 6.25934
- 10 x P 180 6.25935
- 10 x P 240 6.25936
- 10 x P 320 6.25937



- 1 x P 60
 - +
 - 1 x P 80
 - +
 - 1 x P 100
- } . . . 6.25928

B

1 x



6.27107

Original instructions

1. Conformity Declaration

We declare under our sole responsibility: These belt sanders, identified by type and serial number *1), comply with all relevant requirements of the directives *2) and standards *3). Technical file at *4) - see page 3.

2. Specified Use

The machine is designed for dry sanding of wood, materials similar to wood, plastics, metals and building materials.

The user bears sole responsibility for damage caused by improper use.

Generally accepted accident prevention regulations and the enclosed safety information must be observed.

3. General Safety Instructions



For your own protection and for the protection of your electrical tool, pay attention to all parts of the text that are marked with this symbol!



WARNING – Reading the operating instructions will reduce the risk of injury.



WARNING – Read all safety warnings, instructions, illustrations and specifications provided with this power tool.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference. Pass on your electrical tool only together with these documents.

4. Special Safety Instructions

Hold power tool by insulated gripping surfaces, because the belt may contact its own cord. Cutting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

When sanding metals:

Connect the machine to a suitable extraction device after removing wood dust (from machine, hose, extraction device) - risk of dust explosion and fire through sparks created when sanding metal!

Flying sparks are created when sanding metal.

Ensure that no persons are in danger. Due to the risk of fire, all combustible materials must be removed from the work area (area affected by flying sparks).

Wear ear protectors. Exposure to noise can cause loss of hearing.

Secure the workpiece against slipping, e.g. with the help of clamping devices.

Always guide the machine with both hands on the handles provided. Loss of control can lead to injuries.

Remove chips and similar material only with the machine at standstill.

Pull the plug out of the plug socket before any adjustments or servicing are performed.

Avoid inadvertent starts by always unlocking the switch when the plug is removed from the mains socket or in case of a power cut.

Reducing dust exposure:

WARNING - Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

This also applies to dust from other materials such as some timber types (like oak or beech dust), metals, asbestos. Other known diseases are e.g. allergic reactions, respiratory diseases. Do not let dust enter the body.

Observe the relevant guidelines and national regulations for your material, staff, application and place of application (e.g. occupational health and safety regulations, disposal).

Collect the particles generated at the source, avoid deposits in the surrounding area.

Use suitable accessories for special work. In this way, fewer particles enter the environment in an uncontrolled manner.

Use a suitable extraction unit.

Reduce dust exposure with the following measures:

- do not direct the escaping particles and the exhaust air stream at yourself or nearby persons or on dust deposits,
- use an extraction unit and/or air purifiers,
- ensure good ventilation of the workplace and keep clean using a vacuum cleaner. Sweeping or blowing stirs up dust.
- Vacuum or wash the protective clothing. Do not blow, beat or brush.


5. Overview

See page 2.

- 1 Rotary knob for adjusting the belt run
- 2 Dust bag
- 3 Ejection nozzle

- 4 Adjusting wheel for setting belt speed
 - 5 Lock button
 - 6 Trigger switch
 - 7 Handle
 - 8 Hexagon spanner
 - 9 Adapter for connecting an extraction device
 - 10 Adjustable additional handle
 - 11 Screw for securing the additional handle
 - 12 Arrow (direction of rotation of roller)
 - 13 Lever for sanding belt replacement
 - 14 Stand*
 - 15 Wing screw for stand*
 - 16 Wing screw for adjusting the plate*
 - 17 Plate for parallel guide*
 - 18 Parallel guide*
 - 19 Wing screw for inclining the plate*
 - 20 Wing screw for securing the parallel guide*
- * equipment-dependent

6. Commissioning

 Before plugging in, check to see that the rated mains voltage and mains frequency, as specified on the rating label, match your power supply.

 Always install an RCD with a maximum trip current of 30 ma upstream.

Additional handle

The additional handle (10) can be fitted in 2 positions (at different heights).

- Unscrew screw (11) with hexagon spanner (8) and remove.
- Shift the additional handle. The 2nd position is reached when the screw can be pushed in.
- Insert screw with hexagon spanner and tighten.


7. Use

7.1 Dust extraction

Dust bag:

Mount the dust bag (2) with its connector on the machine's ejection nozzle (3) and turn counterclockwise as far as the stop (bayonet catch).

To optimise the extraction performance, empty the dust bag in good time. The dust bag should not be filled with sanding dust beyond 1/3 of its capacity.

 When emptying the dust bag, ensure that sanding dust cannot penetrate your body or harm other persons.

Dust extraction with a dust extractor:

During long periods of sanding wood and - in commercial applications - materials where dust that is harmful to health is created during processing (e.g. beech and oak, leaded coatings, metals), the belt sander must be connected to an extraction device suitable for this purpose.

Comment: In Germany, extraction devices certified according to TRGS 533 (Technical Rules on Dangerous Substances) must be used to extract wood dust. For other materials, commercial users

must clarify the special requirements with the responsible employer's liability insurance association.


- Remove the dust bag (2).
(Bayonet catch! Turn the dust bag clockwise and remove from the machine's ejection nozzle (3) together with its connector.)
- Fit adapter (9) onto ejection nozzle (3).
- Fit the hose on the adapter (9).
(Fitting requires exertion of force. Use a hose with connector dia. 35 mm, e.g. the hose from a Metabo universal vacuum cleaner or the hose an another vacuum cleaner suitable for this purpose.)

7.2 On/Off switch, continuous activation

Note: Switch the machine on first before mounting it on the workpiece.

To start the machine, press the trigger switch (6).

For continuous operation the trigger switch can be locked using the lock button (5). To stop the machine, press the trigger switch (6) again.

 In continuous operation, the machine continues running if it is forced out of your hands. Therefore, always hold the machine with both hands using the handles provided, stand in a safe position and concentrate.


7.3 Setting belt speed

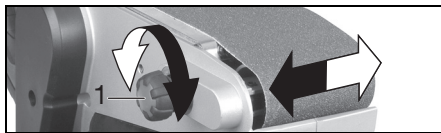
Set the belt speed at the adjusting wheel (4). This is also possible during operation.

The required belt speed depends on the material and the working conditions and can be determined through practical tests.

If - as a result of overloading - the motor speed (and thus the belt speed) decreases significantly during work, the adjusting wheel (4) must be set to a higher value (than the previous one).

7.4 Adjusting belt run

 Use the rotary knob (1) to adjust the sanding belt - with the machine running - so that it runs centrally on the sanding belt roller.



7.5 Sanding procedure

Switch the machine on first before mounting it on the workpiece.

Mount the belt sander on the material, holding it with both hands - with the sanding belt parallel to the workpiece surface.

Keep the machine in constant motion because otherwise recesses could be produced in the material.

It is not necessary to exert additional pressure on the machine when sanding. It is sufficient to guide it and allow its well distributed weight to run it.

7.6 Sanding belt replacement



Pull the mains plug out of the socket.

Swivel out lever (13) as far as it will go. This relieves sanding belt tension and it can now be removed from the rollers.

For sanding belts, see Accessories chapter 10..

Place the new sanding belt on the rollers such that its direction of circulation (arrows on the inside of the sanding belt) matches the arrow (12) on the machine housing.

To tension the sanding belt, press the lever (13) back into its initial position.

7.7 Stationary use of machine

Fitting stand

(equipment-dependent)



Secure the machine safely on the stand (14) before using it. Slipping of the machine on the stand can result in loss of control.



Place the stand (14) on a firm, flat, horizontal surface. Safe, steady work cannot be guaranteed if the stand slides or wobbles.

- Fit the additional handle (10) in the bottom position.
- Hook in the stand (14) as shown in the illustration.
- Then screw the wing screw (15) of the stand into the machine housing and tighten.
- Place the machine on the stand (the sanding belt faces upwards).
- The stand can be secured to the workbench with two collets 6.27107 (see Accessories chapter 10.).

Fitting parallel guide (equipment-dependent)

Once the machine has been set up in this manner, the parallel guide (18) can be fitted.

Secure the parallel guide with the wing screw (20) to the machine housing.

After releasing the wing screw (16), the plate (17) of the parallel guide can be shifted.

For sanding inclined surfaces, the plate (17) of the parallel guide can be inclined by up to 45° after the wing nut (19) is released.

8. Cleaning, Maintenance

To optimise the extraction performance, empty the dust bag in good time. The dust bag should not be filled with sanding dust beyond 1/3 of its capacity.



When emptying the dust bag, ensure that sanding dust cannot penetrate your body or harm other persons.

Clean the machine regularly. This includes vacuum cleaning the ventilation louvres on the motor.

9. Tips and Tricks

Do not press the device too firmly against the surface being sanded. This does not improve, but rather impairs, the sanding performance.

Use a suitable sanding disc to achieve the best possible work results:

- Removal of old paint layers, coarse sanding work on wood: P 40
- Finishing of wood, sanding steel: P 60, P 80
- Sanding of veneered surfaces: P 100 - P 180
- Very fine sanding of wood and plastics (finishing).
Pre-sanding for subsequent burnishing work (metal) P 240, P 320

10. Accessories

Use only genuine Metabo accessories.

If you need any accessories, check with your dealer.

For dealers to select the correct accessory, they need to know the exact model designation of your power tool.

See page 4.

- A Sanding belts, 3 pieces, resin-bonded, for wood and metal.
For application examples, see Chapter 9..
- B Collets for securing on workbench for stationary application (see Chapter 7.7)

For a complete range of accessories, see www.metabo.com or the main catalogue.

11. Repairs



Repairs to electrical tools must be carried out by qualified electricians ONLY!

A defective mains cable must only be replaced with a special, original mains cable from metabo, which is available only from the Metabo service.

A defective mains cable must only be replaced with a special, original mains cable from metabo, which is available only from the Metabo service.

If you have Metabo electrical tools that require repairs, please contact your Metabo service centre.

For addresses see www.metabo.com.

You can download spare parts lists from www.metabo.com.

12. Environmental Protection

Metabo's packaging can be 100% recycled.

Scrap power tools and accessories contain large amounts of valuable resources and plastics that can be recycled.

These instructions are printed on chlorine-free bleached paper.



Only for EU countries: Never dispose of power tools in your household waste! In accordance with European Guideline 2012/19/EU on used electronic and electric equipment and its implementation in national legal systems, used power tools must be collected separately and handed in for environmentally compatible recycling.

13. Technical Specifications

Explanatory notes on the specifications on page 3.
Changes due to technological progress reserved.

B_B	= Sanding belt width
B_L	= Sanding belt length
A	= Sanding belt contact surface
v_0	= Belt speed in idling
P_1	= Nominal power input
P_2	= Power output
m	= Weight without mains cable

Measured values determined in conformity with EN 62841.

Machine in protection class II

~ Alternating current

The technical specifications quoted are subject to tolerances (in compliance with the relevant valid standards).



Emission values

Using these values, you can estimate the emissions from this power tool and compare these with the values emitted by other power tools. The actual values may be higher or lower, depending on the particular application and the condition of the tool or power tool. In estimating the values, you should also include work breaks and periods of low use. Based on the estimated emission values, specify protective measures for the user - for example, any organisational steps that must be put in place.

Vibration total value (vector sum of three directions) determined in accordance with EN 62841:

a_h = Vibration emission value (sanding surfaces)

K_h = Uncertainty (vibration)

Typical A-effective perceived sound levels:

L_{pA} = Sound pressure level

L_{WA} = Acoustic power level

K_{pA} , K_{WA} = Uncertainty

During operation the noise level can exceed 80 dB(A).



Wear ear protectors!