Wide-belt sanders

Power in robust construction
Wide-belt sanders

Simplicity, reliability, and quality of all sanding technologies

**BULDOG 5** 630 / 910 / 1100 / 1300
**BULDOG 3** 650 / 950 / 1100

We offer high-quality wide-belt sanders which are characterised by their simple use. Modular construction allows you to choose ideal equipment with regard to the intended use. Using of these machines is safe and universal.

You can sand solid wood, veneer surface or other materials.

**Features**

- Sanding wood-based materials
- Sanding width up to 1300 mm
- Motor power up to 11 kW
- Can be fitted with various aggregates

**Applications**

- Sanding of massif, veneer surfaces, and varnishes
- Bulldog machines are suitable for small and medium-sized woodworking facilities
**STANDARD AND OPTIONAL EQUIPMENT**

**Standard equipment**
- Sliding sanding unit type 1(F), sanding unit type 3, sanding unit type 4, two-position fixed pad
- 1st unit underfeed Ø 180 mm
- 2nd sanding unit + two position rubbered roller Ø 180 mm, 45Sh
- Divided feed pressure segments for unit “F”
- Outfeed pressure bar for unit “F”
- Control of sanding pad from front panel
- Sanding belt size 650 x 1900, 930 x 1900, 1120 x 1900, 1320 x 1900 mm
- Motorized table height adjustment
- Automatic star / delta switch
- Control of 2nd and 3rd sanding unit from front panel including pad, pneumatic lifting
- Ampermeters for motors of sanding units
- Infrared sensor control of sanding belt oscillation
- Pressure switch 3,5 - 4,0 bar
- Workpiece thickness measuring - positioner
- Electronic measuring of table position with digital display
- Two feed belt speeds 4,5/9 m/min
- Rubbered pressure rollers
- Main motor pneumatic disc brake
- Sanding belts
- Noise reduction features

**Optional equipment**
- Motor 11 kW (15 HP, 15 kW (20 HP), 18,5 kW (25 HP)
- Two speed motor for sanding belt - 9 / 18 m/s - max. 11 kW
- Two speed motor for table height adjustment
- Feed belt motor frequency inverter - speed 3 - 15 m/min
- Sanding belt motor frequency inverter - speed 3 - 24 m/s
- NC-machine control, colour touchscreen 10,1”
- Automatic star table height adjustment
- Flat feeding belt
- Rubbered roller Ø 160 mm, 30, 45, 60, 90 Sh
- Grooved steel roller Ø 160 mm
- Two position pneumatic pad with ascent and descent
- Two position pneumatic pad with synchronization of pad raise and fall and variable feed speed 3 - 15 m/min, feed belt included
- Two position segmented pneumatic pad with ascent and descent, segment width 50 mm
- Two position pneumatic pad with synchronization of pad raise and fall and variable feed speed 3 - 15 m/min, feed belt included, segment width 50 mm
- Fine manual setting of table height
- Timed air cleaning device for sanding belt
- Timed air cleaning device for sanding belt with moving jets
- Divided feed pressure segments for unit “F”
- Automatic feed belt tracking

**TECHNICAL SPECIFICATIONS**

**BULLDOG 5 WIDE-BELT SANDER**

<table>
<thead>
<tr>
<th></th>
<th>630</th>
<th>910</th>
<th>1010</th>
<th>1100</th>
<th>1300</th>
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<td>630</td>
<td>910</td>
<td>1010</td>
<td>1100</td>
<td>1300</td>
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<tr>
<td>Min. – max. working height mm</td>
<td>3 – 160</td>
<td>3 – 160</td>
<td>3 – 160</td>
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<td>3 – 160</td>
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<tr>
<td>Feed belt speed m/min</td>
<td>9/18</td>
<td>9/18</td>
<td>9/18</td>
<td>9/18</td>
<td>9/18</td>
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<tr>
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<td>11</td>
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<tr>
<td>Sanding belt Ø x (W) mm</td>
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<td>90x1900</td>
<td>90x1900</td>
<td>90x1900</td>
<td>90x1900</td>
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<tr>
<td>Contact roller Ø mm</td>
<td>120</td>
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<tr>
<td>Sanding belt speed m/min</td>
<td>4,5/9</td>
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<tr>
<td>Machine dimensions (L x W x H) mm</td>
<td>1360 / 1710 / 2410</td>
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<tr>
<td>Weight kg</td>
<td>1000 – 3200</td>
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</table>

**UNIT CONFIGURATION**

1. UNIT R
2. UNIT C
3. FLAMING ROLLER F
4. DECK POSITIONER
STANDARD AND OPTIONAL EQUIPMENT

**Standard equipment**

1. Sanding unit type R     
2. Sanding unit type C + mechanically adjustable pad     
3. 1st rubbered roller Ø 120 mm, 90Sh     
4. 2nd rubbered roller Ø 120 mm, 45Sh     
5. Sanding belt size 650 x 1900, 950 x 1900, 1120 x 1900 mm     
6. Motorized table height adjustment     
7. Automatic star / delta switch     
8. Control of the sanding roller from the front panel, pneumatic lifting     
9. Amperemeters for motors of sanding units     
10. Infrared sensor control of sanding belt oscillation     
11. Workpiece thickness measuring - positioner     
12. Electronic measuring of table position with digital display     
13. Two fixed belt speeds 4.5/9 m/min     
14. Rubbered pressure rollers     
15. Main motor pneumatic disc brake     
16. Sanding belts     
17. Noise reduction features

**Optional equipment**

1. Motor 7.5 kW (10 HP), 11 kW (15 HP), 15 kW (20 HP) - only for width 1100     
2. Two speed motor for sanding belt - 9 / 18 m/s - max. 11 kW     
3. Fixed belt motor frequency inverter - speed 3 - 15 m/min     
4. Sanding belt motor frequency inverter - speed 3 - 24 m/s     
5. Rubbered roller Ø 120 mm, 30, 45, 60, 90 Sh     
6. Grooved steel roller Ø 120 mm     
7. Pneumatic timed pad with ascent and descent     
8. Timed air cleaning device for sanding belt     
9. Timed air cleaning device for sanding belt with moving jets     
10. Automatic feed belt tracking     
11. Pressure switch 3.5 - 4.0 bar     
12. Mechanical limitation of maximum material removal     
13. Front / rear extension table 300 mm     
14. Pneumatic blast gate Ø 150 mm

**BULDOG 3 WIDE BELT SANDER**

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>650</th>
<th>950</th>
<th>1100</th>
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<tr>
<td>Max. working width</td>
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<td>950</td>
<td>1100</td>
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<td>Min. – max. working height (mm)</td>
<td>3 – 160</td>
<td>3 – 160</td>
<td>3 – 160</td>
</tr>
<tr>
<td>Feed belt speed (m/min)</td>
<td>4.5 / 9</td>
<td>4.5 / 9</td>
<td>4.5 / 9</td>
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<tr>
<td>Motor (kW)</td>
<td>5.5</td>
<td>7.5</td>
<td>11</td>
</tr>
<tr>
<td>Sanding belt (L x W) (mm)</td>
<td>1900 x 650</td>
<td>1900 x 950</td>
<td>1900 x 1100</td>
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<tr>
<td>Contact roller diameter (mm)</td>
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TECHNICAL SPECIFICATIONS

UNIT CONFIGURATION

1. UNIT R, C
2. DESK POSITIONER
3. UNIT OSCILLATION
Wide-belt sanders

Simple and safe operation coupled with small dimensions

**PONY 430 / 630**

**CINDY 300 / 400**

We offer high-quality wide belt sanders which are characterised by their simple use. Modular construction allows you to choose ideal equipment with regard to the intended use. Using of these machines is safe and universal.

You can sand solid wood, veneer surface or other materials.

**Features**
- Sanding wood-based materials
- Sanding width up to 630 mm
- Motor power up to 5.5 kW
- The smallest wide-belt sanders produced in Europe

**Applications**
- suitable for small joinery operation or for machining (calibration and completion works) smaller parts of massif wood
STANDARD AND OPTIONAL EQUIPMENT

Standard equipment
- One sanding unit type C - one grooved steel roller + adjustable pad
- Grooved steel roller Ø 120 mm
- Sanding belt size 450 x 1600, 650 x 1600 mm
- Motorized table height adjustment
- Manual star / delta switch
- Amperemeter for motor of sanding unit
- Infrared sensor control of sanding belt oscillation
- Mechanical measuring of table position
- Two feed belt speeds 4,5 / 9 m/min
- Electromagnetic brake of main motor
- Sanding belt

Optional equipment
- Automatic star / delta switch
- Rubbered roller 45, 60, 90 Sh, Ø 120 mm
- Electronic measuring of table position with digital display
- Automatic feed belt tracking
- Pressure switch 3,5 - 4,0 bar
- Timed air cleaning device for sanding belt
- Workpiece thickness measuring - positioner
- Pneumatic blast gate Ø 150 mm

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PONY</th>
<th>WIDE BELT SANDER</th>
<th>630</th>
<th>830</th>
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<tr>
<td>Max working width mm</td>
<td>430</td>
<td>630</td>
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<tr>
<td>Min – max. working height mm</td>
<td>3 – 160</td>
<td>3 – 160</td>
<td></td>
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<tr>
<td>Feed belt speed m/min</td>
<td>4,5 / 9</td>
<td>4,5 / 9</td>
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<tr>
<td>Motor kW</td>
<td>4</td>
<td>5,5</td>
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<td>1600 x 650</td>
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<tr>
<td>Contact roller diameter mm</td>
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<tr>
<td>Sanding belt speed m/s</td>
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<td>18</td>
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<tr>
<td>Machine dimensions (L x W x H) mm</td>
<td>1200 x 1050 x 1750</td>
<td>1200 x 1550 x 1750</td>
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<tr>
<td>Weight kg</td>
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UNIT CONFIGURATION

1. UNIT II
2. UNIT OSCILLATION
3. AUTOMATIC CENTERING OF FEEDING BELT
4. RUBBERED ROLLER

Introduction
- Standard and Optional equipment
- Technical Specifications
- HOUFEK technological solutions
# STANDARD AND OPTIONAL EQUIPMENT

**Standard equipment**
- 2 rubbered rollers Ø 160 mm, 45 and 90Sh
- Sanding belt size 330x 1900, 430x 1900 mm
- 1 pc straight pad and 1 pc bevelled pad
- Fixed table height, height adjustable sanding unit (upper part of the machine)
- Automatic star / delta switch
- Amperemeters for motors of sanding units
- Infrared sensor control of sanding belt oscillation
- Electronic measuring of table position with digital display
- Two feed belt speeds 4,5 / 9 m/min
- Rubbered pressure rollers
- Pneumatic brake of main motor
- Pneumatic belt tensioning
- Sanding belts
- Noise reduction features

**Optional equipment**
- Motor 7,5 kW (10 HP)
- Two speed motor of sanding belt - 9 / 18 m/s
- Two speed motor for unit height adjustment
- Fixed belt motor frequency inverter - speed 3 – 15 m/min
- Sanding belt motor frequency inverter – speed 3 – 24 m/s
- Two speed motor for unit height adjustment
- Two speed motor of sanding belt - 9 / 18 m/s
- Grooved steel roller Ø 160 mm
- Pneumatic mechanically controlled pad
- Pneumatic timed pad with ascent and descent
- Two position pneumatic timed pad with ascent and descent
- Timed air cleaning device for sanding belt or with moving pads
- Pressure switch 3.5 – 4.0 bar
- Automatic feed belt tracking
- Workpiece thickness measuring - positioner
- Automatic workpiece thickness measuring - positioner
- Pressure bars for sanding short workpieces
- Mechanical limitation of maximum material removal
- Support for workpiece sliding - length 1,2 / 5,2 m
- Module for workpiece cleaning by rotating brush Ø 150 mm, 1,5 kW (2 HP)
- Module for workpiece cleaning by oscillation blower
- Vacuum unit
- Vacuum pump + silencer
- Pneumatic blast gate Ø 100 mm

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**TECHNICAL SPECIFICATIONS**

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<thead>
<tr>
<th>Model</th>
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<tr>
<td>Max. working width mm</td>
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<tr>
<td>Min. – max. working height mm</td>
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<td>3 – 200</td>
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<tr>
<td>Feed belt speed m/min</td>
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<td>4,5 / 9</td>
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<td>Contact roller diameter mm</td>
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<td>160</td>
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<td>Sanding belt speed m/s</td>
<td>18</td>
<td>18</td>
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<tr>
<td>Machine dimensions (L x W x H) mm</td>
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<td>1500 / 1850 x 950 x 2400</td>
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<td>Weight kg</td>
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**UNIT CONFIGURATION**

1. UNIT R, C
2. RUBBERED SANDING ROLLER
3. AUTOMATIC CENTERING OF FEEDING BELT
4. UNIT OSCILLATION
Houfek wide-belt sanders can be fitted with various aggregates for sanding of massif, veneer surfaces, MDF or base putties and varnishes.

The production line BULDOG, PONY and CINDY wide-belt sanders represent machines of modular construction, which allows arranging various machines based on customer’s requirements.

On customer’s request, these standard-delivered groups may be completed or adjusted by further accessories expanding or adjusting their work options (including higher power of driving motors).

## Introduction

## Standard and Optional equipment

## Technical Specifications

### HOUFEK technological solutions

<table>
<thead>
<tr>
<th>UNIT R</th>
<th>PONY</th>
<th>CINDY</th>
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<tbody>
<tr>
<td><strong>Sanding belt length</strong></td>
<td>mm</td>
<td>1600 - 1900</td>
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<tr>
<td><strong>Sanding roller diameter</strong></td>
<td>mm</td>
<td>120 - 160</td>
</tr>
<tr>
<td><strong>Sanding belt motor power</strong></td>
<td>kW</td>
<td>4 / 5,5</td>
</tr>
<tr>
<td><strong>Sanding belt speed</strong></td>
<td>m/s</td>
<td>18 - 24</td>
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</table>

### BULDOG 3

| **Sanding belt length** | mm | 1900 - 1900 | 2200 |
| **Sanding roller diameter** | mm | 120 - 160 | - |
| **Sanding belt motor power** | kW | 5,5 / 7,5 / 11 | 15 / 18,5 |
| **Sanding belt speed** | m/s | 18 - 24 | 18 - 24 |

### BULDOG 5

| **Sanding belt length** | mm | 1900 - 1900 | 2200 |
| **Sanding roller diameter** | mm | 120 - 160 | - |
| **Sanding belt motor power** | kW | 7,5 / 11 | 15 / 18,5 |
| **Sanding belt speed** | m/s | 18 - 24 | 18 - 24 |

### RAIDO 3

| **Sanding belt length** | mm | 1600 - 1900 | - |
| **Sanding roller diameter** | mm | 120 - 160 | - |
| **Sanding belt motor power** | kW | 4 / 5,5 | 4 / 5,5 - 7,5 - 10 |
| **Sanding belt speed** | m/s | 18 - 24 | 18 - 24 |

### RAIDO 5

| **Sanding belt length** | mm | 1900 - 1900 | - |
| **Sanding roller diameter** | mm | 120 - 160 | - |
| **Sanding belt motor power** | kW | 7,5 / 11 | 15 / 18,5 |
| **Sanding belt speed** | m/s | 18 - 24 | 18 - 24 |

### CUTTERHEAD

| **Cutterhead diameter** | mm | - | 180 |
| **Cutterhead motor power** | kW | - | 7,5 / 11 |
| **Input split pressure** | segments | - | - |
| **Output split pressure** | segments | - | - |
We export to 45 countries worldwide.
Our machines run also in overseas states.