









# Ease of motion – multitude of options

The AVENTOS lift system brings ease of motion to the wall cabinet. Even large and heavy lift systems can be opened with the utmost ease. What makes AVENTOS especially practical is that it offers the furniture user full freedom of movement and provides the necessary cabinet access at all times. Your customers will be inspired.

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## The lift system programme

#### They fold, lift and swing up and over with fasincating ease

AVENTOS is the ideal solution for any wall cabinet. Whether it is used in the kitchen or living area, whether there is lots of space available or only a little and whether it is used with small or large fronts, one thing never changes: the supreme ease of motion. Thanks to integrated BLUMOTION, lift systems always close silently and effortlessly. Combined with SERVO-DRIVE, lift systems will open with a light touch and close automatically with a press of a button.

In addition to their proven stability and elegant design AVENTOS lift systems offer a complete solution for all round high level movement.



#### Bi-fold lift system

AVENTOS HF Ideal for high wall cabinets

#### **AVENTOS HS**

Lift up

AVENTOS HL ■ Ideal for large, one-part fronts ■ Ideal for tall or wall cabinets with

Handle is easy to reach, even werMinimal space required thanks to fronts above or for recessed cabinets.

the lift system is open swivel motion

- Takes up mimimal space even when Can be combined with cornice or even low fronts large cabinet heights, thanks to the two-part front
- Can be used with fronts of diffe
- Variable stop



- Suitable for smaller, one-piece and
  - Easy access to storage items
  - No hinges required
  - Variable stop

- heights





#### Stay lift AVENTOS HK Ideal for small and medium AVENTOS HK-S

wall cabinets The space requirement

- above the lift system motion
- No hinges required
- Variable stop

### Small stay lift Perfect for small cabinets,

- e.g. over refrigerators or larder units
- Harmonious proportions
- No hinges required
- Variable stop

### DYNAMIC SPACE



#### DYNAMIC SPACE – Ideas from Blum for practical kitchens

Good workflows, enough storage space and top quality motion. For Blum, workflow, space and motion are the three essential features of a practical kitchen. With DYNAMIC SPACE, we offer helpful ideas, suggestions and solutions so that today's kitchens don't just look great, but are practical as well.





#### Workflow – Easy access

With AVENTOS, the front moves up, taking it right away from the work area. This makes the cabinet contents easy to access at all times. If the cabinet is placed near the dishwasher, clean glasses can be put back in their rightful place at lightning speed.



Wall cabinets with lift systems are flexible with regard to size. The optimum size depends on your room layout, your individual storage space requirements and your aesthetic preferences. Depending on the lift system type, heights of approx. 185 mm to 1040 mm are

possible, coupled with widths ranging from 300 mm to 1800 mm.

#### Motion – New effortlessness for lift systems

Even heavy and wide fronts have a feather-light glide. Regardless of the force applied, all AVENTOS lift systems always close silently and effortlessly – thanks to BLUMOTION. With SERVO-DRIVE, the electrical motion support system, lift systems open with just a light touch and close at the touch of an easily accessible switch.



# The lift system programme

#### Everything at a glance

The graphic below shows how the five fittings from the AVENTOS range can be used in a common kitchen system.



\*AVENTOS is flexible enough to be used in wall cabinets using 4-tier systems in addition to the 6-tier system shown above.



|                                       | HF         | HS         | HL         | ΗK         | HK-S        |
|---------------------------------------|------------|------------|------------|------------|-------------|
| Area of application                   |            |            |            |            |             |
| High wall cabinets                    | -          |            |            |            |             |
| Medium wall cabinets                  |            |            |            |            |             |
| Low wall cabinets                     |            |            |            |            |             |
| Tall cabinets                         |            |            |            |            |             |
| Room planning                         |            |            |            |            |             |
| Min. top space requirement            |            |            |            |            |             |
| Design                                | T          | Γ          | I          | Γ          |             |
| Single front                          |            |            |            |            |             |
| Two-part front                        |            |            |            |            |             |
| Can be combined with cornice or crown |            |            |            |            |             |
| moulding                              | -          |            |            |            | -           |
| Cabinet height dimensions in mm       | 480-1040   | 350-800    | 300-580    | up to 6001 | up to 400   |
| Cabinet width dimensions in mm        | up to 1800 | up to 1800 | up to 1800 | up to 1800 | up to 18002 |
|                                       |            |            |            |            |             |
| Ergonomics                            |            |            |            |            |             |
| Handles within easy reach             |            |            |            | (          | (           |
| Easy access to cabinet interior       |            |            |            |            |             |
| Motion technologies                   |            |            |            |            |             |

| wouldnitechnologies |  |   |  |
|---------------------|--|---|--|
| BLUMOTION           |  |   |  |
| SERVO-DRIVE         |  |   |  |
| TIP-ON              |  |   |  |
|                     |  | 3 |  |

<sup>1</sup> For ergonomic reasons, we recommend a maximum cabinet height of 600 mm. However, higher lift systems can also be implemented

subject to the power factor limits (see page 54). 2 Cannot be combined with BLUMOTION

3



## Fascinating ease of motion for lift systems

With its innovative motion technologies, Blum not only makes opening and closing lift systems easier – it turns the process into an experience.



### BLUMOTION

### Soft and effortless closing BLUMOTION is synonymous with

fascinating quality of motion. Allow your customers to see for themselves – they will be inspired

NAME ADDRESS OF TAXABLE PARTY.

Compatible with

## SERVO-DRIVE

### Unsurpassed ease of use

A single touch suffices and the lift system opens as if by magic. To close, simply press the easy-to-access switch on the inside of the cabinet.



#### TIP-ON

### Simply press the lift system and it opens

TIP-ON for AVENTOS HK our mechanical opening support system, now makes handle-less fronts easy and comfortable to open.

8

A STATISTICS.





## Reliability – a furniture lifetime





We want our fitting solutions to provide your customers with many years of enjoyment and satisfaction.

That is why we focus on ensuring the highest quality:

#### Precision testing

Each fitting is tested extensively according to strict criteria. Testing is carried out at our own test labs as well as in conjunction with international testing organisations. An AVENTOS lift system goes through the opening and closing process up to 80,000 times which is double the industry requirement – only then are we satisfied in terms of our qualit y.

#### Long warranty

Our promise to provide "quality a furniture lifetime" naturally applies to AVENTOS as well. We are so confident of this that we also offer you a full 5-year warranty in respect of all the electrical components e.g. SERVO-DRIVE when used in combination with Blum products.

Meticulous selection and processes Highquality robust materials. Exact assembly. Fast and simple assembly. From the choice of material right through to construction and start-up, we insist on consistently high levels of quality.



**blum** 

Easy insertion: Assembly of th cross stabiliser for AVENTOS HS and AVENTOS HL is now completely tool-free. 68

## Just a few simple steps are required

Almost entirely tool-free AVENTOS can be assembled with ease and the proven CLIP technology makes the process almost entirely tool-free. The only tool required is a power screwdriver for adjusting the lift mechanism in precise accordance with the front weight. The fact that the cross stabiliser for AVENTOS HS is attached without tools significantly reduces the amount of effort required for assembly. Fronts can be conveniently adjusted in 3 dimensions to ensure perfect gap alignment.

#### SERVO-DRIVE: Start-up made easy

SERVO-DRIVE for AVENTOS only has a few components. These are easy to attach and can be precisely adjusted. In just a few simple steps, SERVO-DRIVE can be assembled, cable added, switch installed and the system can be put into operation.

> Find out more about SERVO-DRIVE





#### AVENTOS

## Why is it that the lift system rises or falls when you let go?

This occours when the lift mechanism has not been set correctly. The fine adjustment process involves using a power screwdriver and the integral calibration to adjust the lift mechanism in precise accordance with the front weight. The result: The front stays in the position required.

#### **SERVO-DRIVE for AVENTOS**

# Is it possible to synchronise multiple lift systems?

Yes. Up to three drive units can be set so that they move simultaneously. This is especially practical in cases where there is a shared front covering several cabinets. In addition, the "collision avoidance" function for corner solutions allows you to adjust the drive units so that only one front ever opens at a time.

#### Is it also possible to use opening angle stops?

Yes, it is possible for AVENTOS HF, HK and HK-S. In the case of SERVO-DRIVE for AVENTOS, the drive unit must be mounted first and once the opening angle stop has been subsequently mounted, a reference run must be performed.

# What does my customer see when the wireless switch battery has to be replaced?

The SERVO-DRIVE switch contains a battery display. It flashes red when the battery power begins to weaken. Battery replacement is very simple. All you need is a conventional button cell battery (type CR 2032).

# Can the AVENTOS concept be implemented without using handles?

Yes, you can equip the lift system with SERVO-DRIVE (an electrical motion support system) or TIP-ON (a mechanical opening support system). A single touch suffices and the lift systems appear to open by themselves.

#### What happens when the power goes out?

When there is a power cut SERVO-DRIVE for AVENTOS is not activated. However, you can continue to open and close manually without restrictions.

Once the power has been restored, you can carry on using everything as normal without having to reset the SERVO-DRIVE unit.

#### Can SERVO-DRIVE for AVENTOS be deactivated?

Your customers can deactivate SERVO-DRIVE for AVENTOS very easily. This is especially practical when cleaning the fronts, for example. We recommend a switched outlet for this. While deactivated, the lift systems can continue to be opened and closed manually.



# Award-winning design

#### Enchanting Elegance

Along with high functionality, the AVENTOS range is sure to inspire through its simple yet elegant design. The fact that it is has received a number of international awards is testament to this.

![](_page_16_Picture_3.jpeg)

interzum award: intelligent material & design 2009

![](_page_16_Picture_5.jpeg)

![](_page_16_Picture_6.jpeg)

Ablum

![](_page_16_Picture_8.jpeg)

Ŷ

![](_page_17_Picture_0.jpeg)

The AVENTOS HF bi-fold lift system is the ideal solution for high and mid wall units. Thanks to the two-part front, even high cabinets can be accommodated. With AVENTOS HF, there is no limit to the variety of planning and design options available. Whether your customers want wooden fronts, narrow or wide aluminium frames, combinations of different materials or even fronts of different heights, you will always be able to meet their individual requirements. Handle-less fronts can be opened using SERVO-DRIVE technology.

![](_page_17_Picture_2.jpeg)

Watch video of the assembly and adjustment processes

![](_page_18_Picture_0.jpeg)

![](_page_18_Picture_1.jpeg)

Greater freedom of design: AVENTOS HF Innovative technology that offers allows you to combine different materials protection: The CLIP top centre hinge for the lift system front.

prevents fingers getting caught.

At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.

# AVENTOS HF

![](_page_19_Figure_1.jpeg)

![](_page_20_Picture_0.jpeg)

|   | 1  | Lift mechanism  |   | 6a           | Drive unit<br>The drive unit is attached without tools   |
|---|----|---|---|--------------|--|
|   | 2  | Telescopic arm  |   |              | to the left lift mechanism. The same drive<br>unit can be used for all lift mechanisms.  |
|   | За | Cover cap, left<br>The left SERVO-DRIVE cover cap<br>is used to cover the lift mechanism,<br>drive unit and distribution cable.<br>To cover the cabling, the cover cap<br>can be expanded up to an internal<br>depth of 350 mm.   | 1 | 6b           | Distribution cable<br>This cable is used to supply power to<br>the drive unit. The maximum permitted<br>operating power is 24 V.   |
|   | 3b | Cover cap right   | 1 | 6c<br>6<br>d | Connecting node +<br>cable end protector<br>This node establishes the electrical<br>connection between the distribution<br>cable and the transformer. The cable end  |
|   | 3c | Cover cap round   |   |              | protector is inserted into the "open" end of the cable.  |
| • | 3d | SERVO-DRIVE switch<br>The SERVO-DRIVE switch is<br>attached to the cabinet side at the<br>bottom. The switch signals the drive<br>unit via a wireless connection. The<br>2.4 GHz frequency is certified for<br>international use. | • | 7<br>9       | Blum transformer + flex<br>The Blum transformer can be used<br>worldwide. It converts the country-<br>specific mains voltage to 24 V direct<br>current. You must use a flex with a<br>regular plug for the respective country<br>depending on the installation location. |
| • | 3e | Blum distance bumper<br>The Blum distance bumper creates<br>and maintains the required trigger path<br>of 2 mm.   | • | 8            | Transformer unit housing<br>The transformer is easily and securely<br>stored in the transformer unit housing.  |
|   | 4  | Mounting plate for telescopic arm   |   | 10           | CLIP top 120° hinge<br>(unsprung)  |
|   | 5  | Mounting plate for<br>CLIP top 120° hinge<br>CLIP top centre hinge  |   | 11           | CLIP top centre hinge  |

**Ablum** 

## Order information Standard and SERVO-DRIVE for AVENTOS HF

#### Wooden fronts and wide aluminium frames symmetrical/asymmetrical

![](_page_21_Picture_2.jpeg)

3 types of lift mechanisms are enough to cover a wide range of applications.

Using the power factor, you can calculate the number of required lift mechanisms. The power factor required depends on the weight of the lower and upper front and the cabinet height. The power factor and the door weight can be increased by 50 % when a third lift mechanism is used.

The larger front must be at the top for asymmetrical fronts.

#### Power factor LF = cabinet height KH (mm) x front weight bottom and top incl. handle (kg)

|             | LF 2600-5500 |               | LF 9000-1 | 7250 |              |  |
|-------------|--------------|---------------|-----------|------|--------------|--|
|             | 20F2200.05   |               | 20F2800   | 0.05 |              |  |
| 20F2200.05  |              | 20F2500.05    |           | 2    | 20F2800.05   |  |
| LF 960-2650 |              | LF 5350-10150 |           | LF 1 | 3500-259001) |  |

Lift mechanism one-sided

Additional 3rd lift mechanism lift mechanism

A trial application is recommended when you are in a borderline area of the individual lift mechanism.

<sup>1)</sup> We recommend two synchronised drive units for a power factor > 17250.

![](_page_21_Picture_12.jpeg)

![](_page_22_Picture_0.jpeg)

|   |                    | Cover can get                        |             |                       | Hingo cot   |              |
|---|--------------------|--------------------------------------|-------------|-----------------------|---|--------------|
|   | 3                  | Nulon                                |             |                       | for woodon fronts                                     |              |
|   |                    |                                      |             | and the second        | Finite method   |              |
|   |                    | light grey, slik white,              |             |                       | INSERTA/EXPANDO/knock in                              |              |
|   |                    |                                      | 20F8000     |                       |   | 78Z5530T10   |
|   |                    | Composed of:                         |             | and Design            |   |              |
| ļ | 3a                 | 1 x cover cap large left             |             |                       | Comprising of:  |              |
|   | 3                  | 1 x cover cap large right            |             | 10 11                 | 2 x CLIP top 120° hinge o. F.3) (70T5590BTL           | _)           |
|   | b                  | 2 x round cover caps                 |             | 4, 5, 12              | 2 x CLIP top centre hinge (78Z5530T)                  |              |
|   | 3c                 |                                      |             | 12                    | 6 x Horizontal cam mounting plate (177H5              | 100)         |
|   | 3                  | Cover cap set for SERVO-DRIVE        |             |                       | 2 x Cruciform mounting plate (174E6100.0              | 1)           |
|   |                    | Nylon                                |             |                       | <sup>3)</sup> o. F. = unsprung                        |              |
|   | (0)                | light grey, silk white,              |             |                       |   |              |
|   |                    |                                      | 21F8 0 0 0  |                       |   |              |
|   | <b>0</b> ,0        |                                      |             |                       | Hinge set   |              |
|   |                    | Composed of:                         |             | and the second second | for wooden fronts and wide alu frames                 |              |
|   | 3a                 | 1 x SERVO-DRIVE cover cap large left |             |                       | Fixing method: Screw-on4)                             |              |
| ĺ | 3                  | 1 x cover cap large right            |             |                       |   | 78Z5500T11   |
| j | b                  | 2 x round cover caps                 |             |                       | Comprising of:  |              |
| j | Зc                 | 2 x SERVO-DRIVE switches             |             | 10 11                 | 2 x CLIP top 120° hinge o. F.3) (70T5550.TL)          | )            |
| j | 3                  | 6 x Blum distance bumpers, Ø 5 mm    |             | 4, 5, 12              | 2 x CLIP top centre hinge (78Z5500T)                  |              |
|   | d                  |                                      |             | 12                    | 6 x Horizontal cam mounting plate (175H5              | 400)         |
|   | <mark>-3e</mark> 6 | SERVO-DRIVE set                      |             |                       | 2 x Cruciform cam mounting plate (173H71              | 100)         |
|   | A Deman            | Nylon                                |             |                       |   |              |
|   | A CONTRACT         | RAL 7037 dust grey                   | 21FA 0 0 0  |                       | <sup>3)</sup> o. F. = unsprung                        |              |
|   |                    |                                      |             |                       | <sup>4)</sup> Use chipboard screws (609.1x00) for woo | den fronts.  |
|   |                    | Composed of:                         |             |                       | Use self tapping screw, countersunk head              | d (660.0950) |
| j | 6a                 | 1 x drive unit                       |             |                       | for wide alu frames.                                  |              |
| l | 6                  | 1 x distribution cable, 1500 mm      |             |                       |   |              |
| l | b                  | 1 x connecting node                  |             |                       | Bit PZ cross slot                                     |              |
| l | бс                 | 2 x cable end protectors             |             |                       | Size 2. length 39 mm                                  |              |
| l | 6                  |                                      |             |                       |   | BIT-P7 KS2   |
|   | d                  |                                      |             |                       |   |              |
|   |                    | Opening angle stop                   |             | 7.0.0                 | Plum transformer                                      |              |
|   |                    | Nulon 10/° 83°                       |             | /, 8, 9               | flex and transformer unit housing                     |              |
|   |                    | Deale area                           | 2           |                       |   |              |
|   | -                  | Dark grey                            | 2 x 20F7051 |                       |   |              |
|   |                    | Dust grey                            | 2 x 20F7011 |                       |   | Page 74      |
|   |                    |                                      |             |                       |   |              |

## Planning information Standard and SERVO-DRIVE for AVENTOS HF

wooden nonts and wide aluminium names symmetrical

![](_page_23_Figure_2.jpeg)

Mounting plate

📥 Mounting plate

24

![](_page_24_Picture_0.jpeg)

![](_page_24_Figure_1.jpeg)

Standard

**Ablum** 

## Planning information Standard and SERVO-DRIVE for AVENTOS HF

wooden nonts and wide aluminium names asymmetricar

![](_page_25_Figure_2.jpeg)

![](_page_25_Figure_3.jpeg)

Min. lower front height X + 19 + FAu

FHo Front height top

TKH Theoretical cabinet height

SFA Side front overlay

FAu Lower front overlay

Number of hinges 3 hinges starting at cabinet width 1200 mm and/or 12 kg door weight 4 hinges starting at cabinet width 1800 mm and/or 20 kg door weight

| Theoretical             | Х          | х         |  |  |
|-------------------------|------------|-----------|--|--|
| cabinet height<br>(TKH) | 177H5100   | 177H5400E |  |  |
| 480-549 mm              | FHo/2 + 70 | FHo/2 + 6 |  |  |
| 550-1040 mm             | mm FHo/2 + | mm FHo/2  |  |  |
|                         | 47 mm      | 45 mm     |  |  |

![](_page_25_Figure_11.jpeg)

F () Gappilling distance TB for standard hing@LIP top 120° special hinge

| Front overlay FA |   |    |   |   |    |    |    |    |     |    |     |    |    |
|------------------|---|----|---|---|----|----|----|----|-----|----|-----|----|----|
|                  | 5 | 6  | 7 | 8 | 9  | 10 | 11 | 12 | 13  | 14 | 15  | 16 | 17 |
| 0                |   |    |   |   |    |    |    |    |     | 3  | 4   | 5  | 6  |
| 3                |   |    |   |   |    |    | 3  | 4  | 5   | 6  |     |    |    |
| 6                |   |    |   | 3 | 4  | 5  | 6  |    |     |    |     |    |    |
| 9                | 3 | 4  | 5 | 6 |    |    |    |    |     |    |     |    |    |
| ▲_               | Ν | Лo | u | n | ti | in | g  | F  | b I | а  | t e |    |    |

![](_page_25_Figure_14.jpeg)

Min. gap F = 1.5 mm

\* 37 mm for cruciform mounting plates (37/32)

Drilling distance TB

|    | Centre gap F   |   |   |   |   |
|----|----------------|---|---|---|---|
|    |                | 3 | 4 | 5 | 6 |
| 0  |                | 6 | 5 | 4 | 3 |
| 3  |                |   |   |   |   |
| 6  |                |   |   |   |   |
| 9  |                |   |   |   |   |
| ▲_ | Mounting plate |   |   |   |   |
|    |                |   |   |   |   |

![](_page_26_Picture_0.jpeg)

![](_page_26_Figure_1.jpeg)

Standard

## Order information Standard and SERVO-DRIVE for AVENTOS HF

### Narrow aluminium frames symmetrical/asymmetrical

![](_page_27_Figure_2.jpeg)

Power factor LF = cabinet height KH (mm) x front weight bottom and top incl. handle (kg)

|                          | LF 2600-5500 |                          | LF 9000-172 | 250 |                |
|--------------------------|--------------|--------------------------|-------------|-----|----------------|
|                          | 20F2200.05   |                          | 20F2800.0   | 05  |                |
| 20F2200.05               |              | 20F2500.05               |             |     |                |
| LF 960-2650              |              | LF 5350-10150            |             |     |                |
| Lift mechanism one-sided |              | Lift mechanism two-sided |             |     | LF Power facto |

A trial application is recommended when you are in a borderline area of the individual lift mechanism.

| 1       | Lift mechanism set                   |            | 2   | Telescopic arm set   |             |
|---------|--------------------------------------|------------|-----|--|-------------|
| Sec. 1  | Power factor LF                      |            | -M  | Nickel plated steel  |             |
|         | 2600-5500 (1 piece LF 960-2650)      | 20F2200.05 | -TY | Cabinet height2) 480–570 mm  | 20F3200.01  |
|         | 5350-10150                           | 20F2500.05 |     | Cabinet height2) 560-710 mm  | 20F3500.01  |
| Canal - | 9000-17250 (3 pieces LF 13500-25900) | 20F2800.05 |     | Cabinet height2) 700–900 mm  | 20F3800.01  |
|         | Composed of:                         |            |     | Cabinet height2) 760–1040 mm   | 20F3900.01  |
|         | 2 x symmetrical lift mechanisms      |            |     | Composed of:   |             |
|         | 10 x chipboard screws Ø 4 x 35 mm    |            |     | 2 x symmetrical telescopic arms  |             |
|         |                                      |            |     | <sup>2)</sup> "Theoretical cabinet height" for asymmetr<br>= front height top (FHO) x 2 (incl. gaps) | ical fronts |

![](_page_28_Picture_0.jpeg)

| 3     | Cover cap set                        |            | 6                        | SERVO-DRIVE set  |
|-------|--------------------------------------|------------|--------------------------|--|
| .0 Oc | Nylon                                |            | (Change)                 | Nylon  |
|       | light grey, silk white,              |            |                          | RAL 7037 dust grey 21FA 0 0 0                          |
|       |                                      | 20F8000    |                          |  |
|       |                                      |            | ~                        | Composed of:   |
|       | Composed of:                         |            | 6a                       | 1 x drive unit   |
| За    | 1 x cover cap large left             |            | 6                        | 1 x distribution cable, 1500 mm                        |
| 3     | 1 x cover cap large right            |            | b                        | 1 x connecting node                                    |
| b     | 2 x round cover caps                 |            | 6c                       | 2 x cable end protectors                               |
| 3c    |                                      |            | 6                        |  |
|       |                                      |            | d                        |  |
| 3     | Cover cap set for SERVO-DRIVE        |            |                          | Hinge set  |
|       | Nylon                                |            |                          | for narrow alu frames                                  |
|       | light grey, silk white,              |            | INCOME AND A DESCRIPTION | Fixing method: screw-on                                |
|       |                                      | 21F8 0 0 0 | 0                        | 78Z5500T11   |
|       |                                      |            |                          | Comprising of:   |
| -     | Composed of:                         |            | 10                       | 2 x CLIP top 120° alu frame hinge o. F.2) (72T550A.TL) |
| 3a    | 1 x SERVO-DRIVE cover cap large left |            | 11                       | 2 x CLIP top alu frame centre hinge (78Z550AT)         |
| 3     | 1 x cover cap large right            |            | 12                       | 2 x CLIP adapter plate symmetrical (175H5A00)          |
| b     | 2 x round cover caps                 |            | 4                        | 2 x CLIP adapter plate left/right (175H5B00)           |
| Зc    | 2 x SERVO-DRIVE switches             |            | 5                        | 2 x Horizontal cam mounting plate (175H5400)           |
| 3     | 6 x Blum distance bumpers, Ø 5 mm    |            |                          |  |
| d     |                                      |            |                          | <sup>2)</sup> o. F. = unsprung                         |
| 3e    |                                      |            |                          |  |
|       | Bit PZ cross slot                    |            | 7, 8, 9                  | Blum transformer,                                      |
|       | Size 2, length 39 mm                 |            |                          | flex and transformer unit housing                      |
|       |                                      | BIT-PZ KS2 |                          |  |
|       |                                      |            |                          | Side 74  |

## Planning information Standard and SERVO-DRIVE for AVENTOS HF

Narrow aluminium trames symmetrical

![](_page_29_Figure_2.jpeg)

![](_page_30_Picture_0.jpeg)

![](_page_30_Figure_1.jpeg)

![](_page_30_Figure_2.jpeg)

Blum distance bumper

![](_page_30_Figure_3.jpeg)

![](_page_30_Figure_4.jpeg)

Blum distance bumper drilling position

## Planning information Standard and SERVO-DRIVE for AVENTOS HF

Narrow aluminum frames asymmetrical

![](_page_31_Figure_2.jpeg)

Drilled hole for SERVO-DRIVE distribution

н

TKH x 0.3 - 28 mm

TKH x 0.3 - 57 mm

cable, left only

480-549 mm

550-1040 mm

ТКН

\* Drilling depth 5 mm \*\* Alternative drilling

![](_page_31_Figure_3.jpeg)

SERVO-DRIVE

TKH Theoretical cabinet height

- KH Cabinet height
- FHo Front height top
- FHu Front height bottom
- Theoretical cabinet height (TKH) = upper front height (FHO) x 2 (including gaps)

![](_page_31_Figure_10.jpeg)

![](_page_32_Picture_0.jpeg)

![](_page_32_Figure_1.jpeg)

![](_page_32_Figure_2.jpeg)

![](_page_32_Figure_3.jpeg)

![](_page_32_Figure_4.jpeg)

Blum distance bumper

![](_page_32_Figure_6.jpeg)

![](_page_32_Figure_7.jpeg)

i Do not glue Blum distance bumper.

![](_page_33_Picture_0.jpeg)

With the lift system fitting for AVENTOS HS, even large, one-part fronts appear to defy gravity by swinging up effortlessly. There is still enough space over the cabinet for a host of design options, such as beautiful details in the form of cornice or crown mouldings. As you would expect, this product is just as easy to assemble as the others and the process is almost entirely tool-free. Handle-less fronts can be opened using SERVO-DRIVE technology and without any need for hinges.

![](_page_33_Picture_2.jpeg)

Watch video of the assembly and adjustment processes

![](_page_34_Picture_0.jpeg)

![](_page_34_Picture_1.jpeg)

Tailored to your tastes: AVENTOS HS also allows wall cabinets to be decorated lift mechanism with BLUMOTION and a with cornice or crown mouldings.

At the heart of this fitting solution is the robust spring package.

## AVENTOS HS

![](_page_35_Figure_1.jpeg)

Standard




|                | 6d 6c  |  |  |
|----------------|--|--|--|
|                |  |  |  |
|                |  |  |  |
|                |  |  |  |
|                |  |  |  |
|                |  |  |  |
|                |  |  |  |
|                |  |  |  |
|                | 6a 3a 3c   | 3 Cover cap set for SERVO-DRIVE  |  |
|                |  | Nylon  |  |
|                |  | light grey, silk white   |  |
|                |  | Lomposed ot:   |  |
|                |  | 3 A x cover cap large right  |  |
|                |  | b 2 x round cover caps   |  |
|                |  | 3c 2 x SERVO-DRIVE switches  |  |
|                |  | 3 4 x Bum distance bumpers, Ø 5 mm   |  |
|                | 30   | d  |  |
|                |  | 3e 4 Front fixing bracket set  |  |
|                |  | Nickel plated  |  |
|                |  | Wooden fronts and wide alu-<br>minium frames1)                             |  |
|                |  |  |  |
|                |  | Narrow alu frames  |  |
|                |  | tersunk self tapping screws (660.0950) per side for wide aluminium frames. |  |
| K N            | 1 Lift mechanism set KH 350-525                            |  |  |
|                | mm KH 526-675 mm KH 62052A00.05 2052B00.05 2052C00.05      | 5Cross stabiliser rod round  |  |
| 1279           | mm Composed of: 2 x symnz@sźza/00.05 2052E00.05 2052F00.05 | Aluminium, Ø 16 mm   |  |
| Con a          | lift mechanisms 10 x chip0s2c00.05 20S2H00.05 20S2H00.05   | 5 For cutting to size, 1061 mm 2.0 Q10 61U N                               |  |
| -000           | screws Ø 4 x 35 mm   | Cutting: LW - 129 mm   |  |
|                |  | SERVO-DRIVE: LW - 164 mm   |  |
|                |  |  |  |
|                | 2 lever arm set  | Connecting piece set for cross stabiliser                                  |  |
|                | Steel, nickel plated                                       | Aluminium, Ø 16 mm   |  |
|                |  | With LW of 1190 mm and up 20Q153ZN   |  |
|                | Composed of:   | Cutting for 5: LW / 2 - 147 mm   |  |
| -              | 2a 1 x lever arm left                                      | SERVO-DRIVE: LW / 2 - 165 mm   |  |
| and the second | 2b 1 x lever arm right                                     | Composed of:   |  |
| SA             | 2C 2 x cross stabiliser cover caps                         | 1 x fixing   |  |
| 71             | 2 Lever arm set for SERVOLDRIVE                            | 2 x cross stabiliser cover caps  |  |
|                | Steel, nickel plated                                       |  |  |
|                | 2153500.01   | 6 SERVO-DRIVE set  |  |
|                | Includes:  | Nylon  |  |
|                | 2a 1 x SERVO-DRIVE lever arm left                          | RAL 7037 dust grey 21FA 0 0 0  |  |
|                | 2b 1 x SERVO-DRIVE lever arm right                         | Composed of:   |  |
|                | 2c 2 x cross stabiliser cover caps                         | 6a I x drive unit  |  |
|                |  | b 1 x connecting node  |  |
|                | 3 Cover cap sec  | 6c 2 x cable end protectors  |  |
| •              | light grey, silk white 2058000                             | 6 We recommend one SERVO-DRIVE drive unit per set for<br>connected fronts! |  |
| and a          | Composed of:   | d  |  |
| SA             | 2a 1 x cover cap large left                                |  |  |
| 7              | 2b 1 x cover cap large right                               | Standard KH Cabinet height   |  |
|                | 2c 2 x round cover caps                                    | SERV LW Inner cabinet width  |  |
|                |  | and a state  |  |
|                | 28   |  |  |



10.25-18.75

10.25-18.75

10.50-18.50

10.50-18.50

10.75 -18. 25

11.00-18.00

11.25-17.75

11.50-17.50

11.00-18.00

11.25-17.75

11.25-17.50

10.75 -18. 25

10.50-18.50

10.50-18.50

|         | Bit PZ cross slot                                      |      |        |
|---------|--|------|--------|
|         | Size 2, length 39 mm                                   |      |        |
|         |  | BIT- | PZ KS2 |
|         |  |      |        |
| 7, 8, 9 | Blum transformer,<br>flex and transformer unit housing |      |        |
|         |  | Page | 74     |

The cabinet front and door weight is required in order to select the correct lift mechanism.

Example: KH = 600 mm, weight of front = 10 kg

Lift mechanism selection = 20S2E00.05

KH = 602 mm -> 600 mm, KH = 603 mm -> 605 mm

| 141 - 002 1111 - 0 | 000 mm, Ki i = 000 mm | - 005 1111  |                | 550     | 3.00-6.50    | 6.00-12.50   | 11.50-17.25    |
|--------------------|-----------------------|-------------|----------------|---------|--------------|--------------|----------------|
|                    |                       |             |                | 545     | 3.00-6.50    | 6.00-12.50   | 11.50-17.25    |
|                    | Door weight (kg)      |             |                | 540     | 3.00-6.50    | 6.0 0 -12.75 | 11.75-17.00    |
| KH (mm)            | 20S2G00.05            | 20S2H00.05  | 2052100.05     | 535     | 3.00-6.75    | 6.25 -12.75  | 11.75-16.75    |
| · · · ·            |                       |             |                | 530     | 3.00-6.75    | 6.25 -12.75  | 11.75-16.75    |
| 800                | 4.00-7.00             | 6.00-12.25  | 10.50-20.00    | 526     | 3.00-6.75    | 6.25-13.00   | 12.00-16.50    |
| 795                | 4.00-7.00             | 6.00-12.25  | 10.50-20.00    |         |              |              |                |
| 790                | 4.00-7.00             | 6.00-12.25  | 10.75-20.00    | KH (mm) | 20S2A00.05   | 20S2B00.05   | 2052C00.05     |
| 785                | 4.00-7.00             | 6.25-12.50  | 10.75-20.00    |         | 2002/100100  | 2002800.00   | 2052200.05     |
| 780                | 4.00-7.00             | 6.25-12.50  | 10.75-20.25    | 525     | 2 50-4 00    | 3 25-7 50    | 7 25-15 00     |
| 775                | 3.75-7.00             | 6.25-12.50  | 11.00-20.25    | 520     | 2 50-4 00    | 3 50-7 50    | 7 25-15 00     |
| 770                | 3.75-7.00             | 6.25-12.50  | 11.00-20.25    | 515     | 2 50-4 00    | 3 50-7 50    | 7 25-14 75     |
| 765                | 3.75-7.25             | 6.50-12.50  | 11.00-20.25    | 510     | 2 50-4 00    | 3 50-7 75    | 7 50-14 75     |
| 760                | 3.75-7.25             | 6.50 -12.75 | 11.25-20.25    | 505     | 2 50-4 00    | 3 50-7 75    | 7 50-14 75     |
| 755                | 3.75-7.25             | 6.50 -12.75 | 11.25-20.50    | 500     | 2.50-4.25    | 3.50-7.75    | 7.50-14.75     |
| 750                | 3.50-7.25             | 6.50 -12.75 | 11.50-20.50    | 495     | 2 50-4 25    | 3 75-7 75    | 7 50-14 50     |
| 745                | 3.50-7.25             | 6.50 -12.75 | 11.50-20.50    | 490     | 2.50-4.25    | 3.75-8.00    | 7.75-14.50     |
| 740                | 3.50-7.25             | 6.50 -12.75 | 11.75-20.75    | 485     | 2 50-4 25    | 3 75-8 00    | 7 75-14 25     |
| 735                | 3.50-7.50             | 6.50-13.00  | 11.75-20.75    | 480     | 2.50-4.25    | 3.75-8.00    | 7.75-14.25     |
| 730                | 3.50-7.50             | 6.75-13.00  | 11.75 - 21.00  | 475     | 2.50-4.25    | 3.75-8.00    | 7.75-14.00     |
| 725                | 3.50-7.50             | 6.75-13.00  | 12.00-21.00    | 470     | 2.50-4.25    | 4.00-8.25    | 8.00-14.00     |
| 720                | 3.50-7.50             | 6.75-13.00  | 12.00-21.25    | 465     | 2.25-4.25    | 4.00-8.25    | 8.00-13.75     |
| 715                | 3.50-7.50             | 6.75-13.00  | 12.00-21.25    | 460     | 2.25-4.25    | 4.00-8.25    | 8.0 0 -13.75   |
| 710                | 3.50-7.75             | 6.75-13.25  | 12.25-21.25    | 455     | 2.25-4.25    | 4.00-8.50    | 8.25-13.50     |
| 705                | 3.50-7.75             | 6.75-13.25  | 12.25-21.50    | 450     | 2.25-4.25    | 4.00-8.50    | 8.25-13.50     |
| 700                | 3.50-7.75             | 6.75-13.25  | 12.50-21.50    | 445     | 2.25-4.50    | 4.25-8.50    | 8.25-13.25     |
| 695                | 3.50-7.75             | 6.75-13.25  | 12.50-21.50    | 440     | 2.25-4.50    | 4.25-8.50    | 8.25-13.00     |
| 690                | 3.50-7.75             | 6.75-13.25  | 12.75 – 21.50  | 435     | 2.25-4.50    | 4.25-8.75    | 8.50-13.00     |
| 685                | 3.50-8.00             | 7.00-13.25  | 12.75 - 21.50  | 430     | 2.25-4.50    | 4.25-8.75    | 8.50 -12.75    |
| 680                | 3.50-8.00             | 7.00-13.50  | 13.00-21.50    | 425     | 2.25-4.50    | 4.25-8.75    | 8.50 -12.75    |
| 676                | 3.50-8.00             | 7.00-13.50  | 13.00-21.50    | 420     | 2.25-4.50    | 4.25-8.75    | 8.50-12.50     |
|                    |                       |             |                | 415     | 2.25-4.50    | 4.25-8.75    | 8.50-12.50     |
|                    |                       |             |                | 410     | 2.25-4.50    | 4.25-9.00    | 8.75-12.25     |
| KH (mm)            | 20S2D00.05            | 20S2E00.05  | 20S2F00.05     | 405     | 2.25-4.50    | 4.25-9.00    | 8.75-12.00     |
|                    |                       |             |                | 400     | 2.00 - 4.75  | 4.25-9.00    | 8.75-12.00     |
| 675                | 3.00-5.25             | 5.00-11.00  | 0 9.75 -19.0 0 | 395     | 2.00 - 4.75  | 4.50-9.00    | 8 .75 –11.75   |
| 670                | 3.00-5.25             | 5.00-11.00  | 0 9.75 –19.0 0 | 390     | 2.00 - 4.75  | 4.50-9.00    | 8 .75 -11. 5 0 |
| 665                | 3.00-5.25             | 5.00-11.00  | 0 9.75 -19.0 0 | 385     | 2.0 0 - 4.75 | 4.50-9.25    | 9.00-11.50     |
| 660                | 3.00-5.50             | 5.25-11.25  | 10.00-19.00    | 380     | 2.00 - 4.75  | 4.50-9.25    | 9.00-11.25     |
| 655                | 3.00-5.50             | 5.25-11.25  | 10.00-19.00    | 375     | 2.00 - 4.75  | 4.50-9.25    | 9.00-11.25     |
| 650                | 3.00-5.50             | 5.25-11.25  | 10.00-19.00    | 370     | 2.00 - 4.75  | 4.50-9.25    | 9.00-11.00     |
| 645                | 3.00-5.50             | 5.25-11.25  | 10.00-18.75    | 365     | 2.00 - 4.75  | 4.50-9.25    | 9.00-11.00     |
| 640                | 3.00-5.50             | 5.25-11.25  | 10.00-18.75    | 360     | 2.00 - 4.75  | 4.50-9.50    | 9.25 -10.75    |
| 635                | 3.00-5.50             | 5.25-11.50  | 10. 25 –18 .75 | 355     | 2.00 - 4.75  | 4.50-9.50    | 9.25-10.50     |
| 630                | 3.00-5.75             | 5.50-11.50  | 10. 25 –18 .75 | 350     | 2.00-5.00    | 4.50-9.50    | 9. 25 –10.5 0  |
| 625                | 3.00-5.75             | 5.50-11.50  | 10. 25 –18 .75 |         |              |              |                |

620

615

610

605

600

595

590

585

580

575

570

565

560

555

3.00-5.75

3.00-5.75

3.00-6.00

3.00-6.00

3.00-6.00

3.00-6.00

3.00-6.00

3.00-6.25

3.00-6.25

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3.00-6.50

3.00-6.50

5.50-11.50

5.50-11.50

5.50-11.75

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5.50-12.00

5.75-12.00

5.75-12.00

5.75-12.00

5.75-12.25

5.75-12.25

6.00-12.25

6.00-12.50

| 7 <b>10</b> 1 | <u>e 11 1</u> |  |
|---------------|---------------|--|







**Ablum** 



This product is a brilliant combination of design and function. As its name suggests, the AVENTOS HL "lift up" lifts right up and out of the user's way so that everything is always within easy reach. As a result, even special installations are possible. For example, you can integrate electrical appliances into tall cabinets. Handle-less fronts can be opened using SERVO-DRIVE technology and without any need for hinges.



Watch video of the assembly and adjustment processes





Sheer beauty: With AVENTOS HL, electrical appliances disappear behind a continuous cabinet front.

At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.

# AVENTOS HL





### Order information Standard and SERVO-DRIVE for AVENTOS HL



|                    | Cabinet height |                |                |               |  |  |  |
|--------------------|----------------|----------------|----------------|---------------|--|--|--|
|                    | 300-349 mm     | 350-399 mm     | 400-550 mm     | 450-580 mm    |  |  |  |
|                    | Lever arm set  |                |                |               |  |  |  |
|                    | 20L3200.06     | 20L3500.06     | 20L3800.06     | 20L3900.06    |  |  |  |
| Lift mechanism set | 21L3200.01     | 21L3500.01     | 21L3800.01     | 21L3900.01    |  |  |  |
| 20L2100.05         | 1.25-4.25 kg   | 1.25-2.50 kg   |                |               |  |  |  |
| 20L2300.05         | 3.50-7.25 kg   | 1.75-5.00 kg   | 1.75–3.50 kg   |               |  |  |  |
| 20L2500.05         | 6.50-12.00 kg  | 4.25-9.00 kg   | 2.75-6.75 kg   | 2.00-5.25 kg  |  |  |  |
| 2012700.05         | 11.00-20.00 kg | 8.00-14.75 kg  | 5.75-11.75 kg  | 4.25-9.25 kg  |  |  |  |
| 20L2900.05         |                | 13.50-20.00 kg | 10.50-20.00 kg | 8.25-16.50 kg |  |  |  |

A trial application is recommended when you are in a borderline area of the individual lift mechanism.

| 1 | Lift mechanism set                |            | 2     | Lever arm set Cabinet height    |            |
|---|-----------------------------------|------------|-------|---------------------------------|------------|
|   |                                   | 20L2100.05 | 11 A1 | 300–349 mm Cabinet height       | 20L3200.06 |
|   |                                   | 20L2300.05 | fel   | 350–399 mm Cabinet height       | 20L3500.06 |
|   |                                   | 20L2500.05 |       | 400–550 mm Cabinet height       | 20L3800.06 |
|   |                                   | 20L2700.05 |       | 450–580 mm                      | 20L3900.06 |
|   |                                   | 20L2900.05 |       |                                 |            |
|   |                                   |            |       | Composed of:                    |            |
|   | Composed of:                      |            | 2a    | 1 x lever arm left              |            |
|   | 2 x symmetrical lift mechanisms   |            | 2b    | 1 x lever arm right             |            |
|   | 10 x chipboard screws Ø 4 x 35 mm |            | 2c    | 2 x cross stabiliser cover caps |            |
|   |                                   |            |       |                                 |            |



#### **Ablum**















i Do not glue Blum distance bumper.



This convenient lift system fitting for mid wall units requires only a small amount of space at the top. The AVENTOS HK stay lift is another product that provides inspiration thanks to its consistently high quality of motion. Handle-less fronts can be opened using SERVO-DRIVE or TIP-ON technology and without any need for hinges.



Watch video of the assembly and adjustment processes





A single touch is all that is needed. The TIP-ON mechanical opening support lift mechanism with BLUMOTION and a system makes opening cabinets easier and more convenient than ever before.

At the heart of this fitting solution is the robust spring package.

## AVENTOS HK







**Ablum** 

#### Order information Standard and SERVO-DRIVE for AVENTOS HK



Power factor LF = cabinet height KH (mm) x front weight incl. double handle weight (kg)



Lift mechanism two-sided

A trial application is recommended when you are in a borderline area of the individual lift mechanism.

| 1          | Lift mechanism set      |                  |        |            | 3     | Cover cap set             |         |
|------------|-------------------------|------------------|--------|------------|-------|---------------------------|---------|
| 2          | Power factor            | Opening a        | ngle   |            |       | Nylon                     |         |
|            | 480-1500                | 107°             |        | 20K2300.05 | PR FQ | light grey, silk white    | 20K8000 |
| N 2.8      | 750-2500                | 107°             |        | 20K2500.05 |       |                           |         |
| 136 4      | 1500-4900               | 107°             |        | 20K2700.05 |       |                           |         |
| ( <u>)</u> | 3200-9000               | 100°             | *)     | 20K2900.05 |       | Composed of:              |         |
|            |                         |                  |        |            | За    | 1 x cover cap large left  |         |
|            | Composed of:            |                  |        |            | 3     | 1 x cover cap large right |         |
|            | 2 x symmetrical lift me | echanisms        |        |            | b     | 2 x cover caps small      |         |
|            | 6 x chipboard screws (  | Ø 4 x 35 mm      |        |            | 3c    |                           |         |
|            |                         |                  |        |            |       |                           |         |
|            | Max. door weight 18 k   | g for two lift r | nechan | isms       |       |                           |         |
|            |                         |                  |        |            |       |                           |         |
|            | *) Pre-mounted openi    | ng angle stop    |        |            |       |                           |         |
|            |                         |                  |        |            |       |                           |         |

Note

We recommend a lift mechanism attached to the centre panel for wide cabinets. The reason for this is to prevent the middle of the front from sagging when open.





| 3        | Cover cap set for SERVO-DRIVE   | 5           | SERVO-DRIVE set   |            |
|----------|---|-------------|---|------------|
|          | Nylon   | 80.80       | Nylon   |            |
|          | light grey, silk white 21K8 0 0 0   | Lacos       | Dust grey   | 21K A0 0 0 |
|          |   | <b>~</b> ?# |   |            |
|          |   |             | Composed of:  |            |
| 6 H H    | Composed of:  | 6a          | 1 x drive unit  |            |
| 3a       | 1 x SERVO-DRIVE cover cap large left  | 6           | 1 x distribution cable, 1500 mm                                       |            |
| 3        | 1 x cover cap large right   | b           | 1 x connecting node   |            |
| b        | 2 x cover caps small  | 6c          | 2 x cable end protectors  |            |
| 3c       | 2 x SERVO-DRIVE switches  | 6           | We recommend two synchronised drive units for<br>power factor > 9000. | a          |
| 3        | 4 x Blum distance bumpers, Ø 5 mm   | d           |   |            |
| d        |   |             |   |            |
| 3e 4     | Front fixing bracket set  |             | Opening angle stop  |            |
| <b>4</b> | Nickel plated   | 3           | Nylon 100°Dark  |            |
|          | Wooden fronts and 20542E1   | U           | grey 75°Dust grey 2 x   | 20K7041    |
| 10 12    | wide aluminium frames ()  |             | 2 x   | 2 0 K      |
|          | Narrow alu frames 2054200A  |             |   |            |
|          |   |             | Bit PZ cross slot   |            |
|          | Composed of:  |             | Size 2, length 39 mm  |            |
|          | 2 x symmetrical front fixing brackets                                       |             |   | BIT-PZ KS2 |
|          |   |             |   |            |
|          | <sup>1)</sup> Use 4 chipboard screws (609.1x00) per side for wooden fronts. | 7, 8, 9     | Blum transformer,   |            |
|          | wide aluminium frames.  |             | flex and transformer unit housing                                     |            |
|          |   |             |   | Page 74    |









## Order information **TIP-ON for AVENTOS HK**



LF 750-2500 LF 3200-9000 20K2900T 20K2500T 20K2300T 20K2700T LF 480-1500 LF 1500-4900 LF Power factor

Lift mechanism two-sided

1 Lift mechanism set Cover cap set 2 Power factor Nylon Opening angle 6 480-1500 107° light grey, silk white 750-2500 107° 1500-4900 107° 3200-9000 100° Composed of: \*) 1 x cover cap large left 2a 2b 1 x cover cap large right Composed of: 2c 2 x cover caps small 2 x symmetrical lift mechanisms 6 x chipboard screws Ø 4 x 35 mm Max. door weight 18 kg for two lift mechanisms Opening angle stop Nylon 100° 75° 9 Dark grey \*) Pre-mounted opening angle stop 2 x 2 x Dust grey

A trial application is recommended when you are in a borderline area of the individual lift mechanism.





| 3  | Front fixing bracket set   | 4b | TIP-ON long version set  |                    |
|----|--|----|--|--------------------|
| đ. | Nickel plated  | •  | For front heights over 500 mm  |                    |
|    | Wooden fronts 20S42E1  |    | For drilling Ø 10 x 76 mm  |                    |
|    | and wide aluminium frames1)  |    | RAL 7037 nylon, dust grey  |                    |
|    | Narrow alu frames 20S4200A   |    | With magnet  | 955A1004           |
|    |  |    | Output path approx. 38 mm  |                    |
|    | Includes:  |    | Composed of:   |                    |
|    | 2 x symmetrical front fixing brackets  |    | 1 x TIP-ON   |                    |
|    |  |    | 1 x screw-on catch plate3)   |                    |
|    | <sup>1)</sup> Use 4 chipboard screws (609.1x00) for wooden fronts.                                     |    | 1 x chipboard screw 609.1500   |                    |
|    | Use 4 countersunk self tapping screws (660.0950) for<br>wide alu frames.                               |    | <sup>30</sup> Note: The glue-on catch plate should not be use<br>TIP-ON for AVENTOS HK | d in combination w |
|    |  |    |  |                    |
| 4a | TIP-ON set   | 5  | Adapter plate  |                    |
|    | For fronts up to a height of 500 mm  |    | Cruciform adapter plate  |                    |
|    |  |    | Nylon 7036 platinum grey   |                    |
| 0  | For drilling Ø 10 x 50 mm  |    | Screws   | 955.1501           |
|    | RAL 7037 nylon, dust grey  |    | EXPANDO<br>Assembly with Ø 3.5 mm or Ø 4 mm chipboard sc                               | 955.15E1           |
|    | With magnet 955.1004   |    |  |                    |
|    | Output path approx. 18 mm  |    |  |                    |
|    | Composed of:   |    | Bit PZ cross slot  |                    |
|    | 1 x TIP-ON   | -  | Size 2, length 39 mm   | BIT-PZ KS2         |
|    | 1 x screw-on catch plate2)   |    |  |                    |
|    | 1 x chipboard screw 609.1500   |    |  |                    |
|    | $^{\rm 2l}$ Note: The glue-on catch plate should not be used in combination with TIP-ON for AVENTOS HK |    |  |                    |

**Ablum** 









\* Min. 261 mm with visible wall hanging bracket



TIP-ON

Dunn





60













\* Factory setting = 2 mm

-

62



#### 

TIP-ON





AVENTOS HK-S is the perfect choice for small lift systems in tall cabinets, e.g. above refrigerators. Thanks to its neat and tidy dimensions, the fitting can be perfectly integrated into small pieces of furniture, making the best possible use of the storage space.



Watch video of the assembly and adjustment processes





At the heart of this fitting solution is the lift mechanism with BLUMOTION and a robust spring package.





|  | 1  | Lift mechanism       |  |
|--|----|----------------------|--|
|  | 2a | Cover cap, left      |  |
|  | 2b | Cover cap right      |  |
|  | 3  | Front fixing bracket |  |
|  |    |                      |  |
|  |    |                      |  |



### Order information Standard AVENTOS HK-S



3 types of lift mechanisms are enough to cover a wide range of applications.

Using the power factor, you can calculate the number of required lift mechanisms. The power factor required depends on the weight of the front and the cabinet height. The power factor and the door weight can be increased by 50 % when a third lift mechanism is used.

The maximum cabinet height for AVENTOS HK-S is 400 mm.

Standard

Power factor LF = cabinet height KH (mm) x front weight incl. double handle weight (kg)

|          | I                | LF 400-1000 |        |        |            |
|----------|------------------|-------------|--------|--------|------------|
|          |                  | 20K2C00.02  |        |        |            |
|          | 20K2B00.02       | 20K2E00.02  |        |        |            |
|          | LF 220-500       | LF 96       | 0-2215 |        |            |
| Lift med | hanism two-sided |             |        | LF Pov | ver factor |

|   | 1   | Lift mechanism set         |           |            | 3        | Front fixing bracket   |                        |
|---|-----|----------------------------|-----------|------------|----------|--|------------------------|
|   | F   | Power factor               | Spring    |            | STREET.  | Wooden fronts  |                        |
|   |     | 200-500                    | Weak      | 20K2B00.02 |          | and wide aluminium frames1) 2  | x 20K42E1.01           |
|   | - D | 400-1000                   | Medium    | 20K2C00.02 |          | <sup>1)</sup> Use 2 chipboard screws (609.1x00) for wooden fronts. Use 2 coun- | en fronts. Use 2 coun- |
| 2 | 3   | 960-2215                   | Strong    | 20K2E00.02 |          | tersunk self tapping screws (660.0950) for wide alu frames.                    |                        |
|   |     |                            |           |            |          |  |                        |
|   |     | Opening angle              | 107°      |            | з        | Front fixing bracket set   |                        |
|   |     |                            |           |            | 162105   | Narrow alu frames  | 20K4A00A01             |
|   |     | Composed of:               |           |            | 89.900 g |  |                        |
|   |     | 2 x symmetrical lift mech  | nanisms   |            |          | Composed of:   |                        |
|   |     | 2 x cover caps large left/ | right     |            |          | 2 x symmetrical front fixing brackets  |                        |
|   |     | light grey, silk white     |           |            |          |  |                        |
|   |     | 6 x chipboard screws, Ø    | 4 x 35 mm |            |          |  |                        |
|   |     |                            |           |            |          |  |                        |





|  | Opening angle stop   |     |            |
|--|----------------------|-----|------------|
|  | Nylon 100° 75°       |     |            |
|  | Dark grey            | 2 x | 20K7A41    |
|  | Dust grey            | 2 x | 2 0 K 7A11 |
|  |                      |     |            |
|  |                      |     |            |
|  | Bit PZ cross slot    |     |            |
|  | Size 2, length 39 mm |     |            |
|  |                      |     | BIT-PZ KS2 |
|  |                      |     |            |







#### Order information Blum transformer and accessories




A safety distance of 30 mm must be maintained for air circulation (see graphic); otherwise, there is a risk that the Blum transformer could overheat.









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# Overview of functions SERVO-DRIVE for AVENTOS

Star t- up





## Star t- up SERVO-DRIVE for AVENTOS



## Additional features







## Additional features SERVO-DRIVE for AVENTOS





## Deactivation SERVO-DRIVE for AVENTOS

Reset Wireless

7

Flashes quickly E Reset motion Resets the reference run and enables a new reference run to be started. 1 (7)3s Press the <Reset Motion> button using a pen (at least 3 seconds) until the LED flashes quickly. . Reset wireless Deactivates all functions: All active SERVO-DRIVE switches, synchronisations and collision avoidance settings for the respective drive unit are deleted. 1 SWITCH Press the <Reset Wireless> button using a pen (at least 3 seconds) until the LED flashes quickly. (7) 3s

| Motion LED signals |                               |   | Wireless LED signals |                                 |   |
|--------------------|-------------------------------|---|----------------------|---------------------------------|---|
| x                  | Flashes orange                | Reference run is required               | хф.                  | Flashes green                   | Activation mode                             |
| •                  | Lights orange<br>continuously | Power available                         | •                    | Lights up green<br>continuously | Activation confirmation                     |
|                    |                               | Operating mode display                  |                      |                                 |   |
|                    |                               | Reference run successfully<br>completed | ☆                    | Flashes green<br>quickly        | Deactivation confirmation                   |
| 渁                  | Flashes orange<br>quickly     | Reset Motion confirmation               | •                    | Lights red continuously         | Last process was not completed successfully |

**Ablum** 

# Blum





1958

The ANUBA hinge is Blum's

first furniture fitting.

1964

1966

1985





Début in the furniture industry Production start Blum produces concealed

furniture hinges.



Roller runners Blum starts to produce roller runners.



Assembly technology CLIP hinges can be mounted without tools thanks to CLIP technology.

The first product

Studs are attached to horseshoes to stop horses slipping.

80

## Perfecting motion

Blum's fittings solutions are designed to make opening and closing furniture a mesmerising experience. That's why we make every effort to perfect the motion of our lift, hinge, box and runner systems.



blum

### DYNAMIC SPACE

world.

users.

Blum products help optimise workflows, produce extra storage space and provide enhanced user convenience - making kitchens extremely practical.

Blum in Austria and around the world

help us perfect motion. Our fittings are

manufactured at ten plants. Seven are

in Austria, the remaining are in the USA,

Brazil and Poland. Thanks to international subsidiaries and sales agencies, Blum is

on site to serve its customers all over the

Global customer benefits

Everyone should benefit from the

advantages of Blum products – from

Over 5,000 employees work hard to

### Top quality

Blum products have been developed for everyday kitchen use and are a pleasure to use a furniture lifetime.



#### Innovations

We want our fittings solutions to be innovative and make everyday kitchen use easier. That's why our developments are based on findings from requirement research and input from our customers.

### Environment

Blum strives to minimise its environmental impact. We use environmentally-friendly processes, use raw materials intelligently and save energy wherever we can. Our commitment to environmental furniture manufacturers right down to end protection is internationally recognised

and rewarded. We endevour to maintain and are always looking to improve our environmental management systems





### 1987



BOX systems Blum's first BOX system goes into production with METABOX.



Soft-close system BLUMOTION ensures that furniture closes softly and effortlessly.



Lift systems AVENTOS lift systems are presented for the first time



2007

Electrical opening support system





2011

Runner systems With MOVENTO, a new generation of runner systems was born.

blum

Experience the mesmerising motion Blum showrooms

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