AVENTOS top

Ordering information and planning





The latest generation in our comprehensive repertoire

Our AVENTOS lift systems have been reliably used in wall and tall cabinets for more than two decades. It was time for an evolution: we have reduced the size, optimised the functions and adapted the design. With the fittings from the latest generation of AVENTOS top, you can masterfully stage individual furniture items or entire living spaces without compromise.

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Uniquely arranged. Across all living areas

With their compact size and minimalist design, the lift systems from the AVENTOS top range fit perfectly into every piece of furniture and every living space. Depending on your requirements and the space available, you can find a suitable and reliable solution with AVENTOS HF top, HS top, HL top and HK top. Freedom of movement and optimal access are maintained at all times – no matter whether fronts fold up, swing up and over, lift up or pivot up.



Detailed information on AVENTOS top at: www.blum.com/aventostop

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Our services at a glance

Our services are customised to your specific needs, for every step along your process chain, allowing you to work more efficiently and therefore save time. Tailored to you and available when and where you need them.



Digital services Digital support for more efficiency



Assembly devices Practical tools for precise work

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Communication services Comprehensive material for targeted marketing



Personal services Direct contact for customer-focussed support



Logistics services Optimised processes for quick delivery





Find out more about our Services: www.blum.com/services

The right tool for every composition

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14 R				
13 R				
12 R				
11 R	Tall cabinet (door)	Wall cabinet (door)		
10 R				
9 R				
8 R				
7 R				
6 R			 	
6 R 5 R				
5 R				
5 R 4 R				
5 R 4 R 3 R				

R = tier system

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AVENTOS HF top

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Wooden fronts and wide aluminium frames



Ordering information

Note

Power factor (LF) =

cabinet height* (KH) [mm] x front weight including handle weight [kg]

* Calculate with theoretical cabinet height (TKH) for asymmetrical fronts

For asymmetrical fronts: theoretical cabinet height TKH = front height top FHo (mm) x 2 + gaps

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

We recommend the more powerful lift mechanism for applications in overlapping ranges. A trial application is recommended when you are in a borderline area of the individual lift mechanism.

The power factor can be increased by 50% when using a third lift mechanism. We recommend a third lift mechanism for wide cabinets. This will prevent the front from sagging when open.

22F2800

1	Lift mechanism set	
	Fixing with chipboard screws with positio	ning system
	LF	
	2700–13500	22F2500

-13500		
0–19300		

LF Power factor Consisting of:

6

- 1 2 x Symmetrical lift mechanism
- - incl. positioning system
- 8 x Chipboard screws Ø 4 x 35 mm

10000

- Ideal for higher wall cabinets with bi-fold fronts
- Cabinet height 480-1200 mm
- Cabinet width up to 1800 mm
- Internal depth of at least 264 mm
- Integrated BLUMOTION adjustment feature for soft and effortless closing
- Light operating forces
- Variable stop
- Integrated opening angle stop
- Fixed position of the lift mechanism and front fixing bracket
- Symmetrical lever arm
- Tool-free assembly
- Two lift mechanism fixing methods
- 3-dimensional adjustment of both fronts
- Centre hinge with finger safety feature

1			Lift mechanism set	
			Fixing with pre-mounted system screws	
6			LF	
4			2700–13500	22F2510
			10000–19300	22F2810
LF	LF Power factor			
Consisting of:				
1	2 x Symmetrical lift mechanism with pre-mounted system screws			

Wooden fronts and wide aluminium frames

Ordering information

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840–120 22F3900
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22F3900 | Cabinet height (mm)* 22F3200 600-910 22F3900 840-1200 22F3900 Consisting of: 22 X 2 X X Symmetrical telescopic arm * For asymmetrical fronts: theoretical cabinet height TKH = front height top FH0 (mm) x 2 + gaps 7 8 Mounting plate for telescopic arm 7 * Fixing method Spacing (mm) Screw-on 0 177H3100 Knock-in K 22.8000 Cover cap set Colour Material SW, HGR, TGR K 23.8000 N-G 2x Branding element, embossed with Blum logo N-G SW, HGR, TGR K 23.8000 Cov

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bl 2 x Branding element, embossed with Blum logo
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All x SERVO-DRIVE switch
bl 2 x SERVO-DRIVE switch
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IN-G Material a 1 x SERVO-DRIVE cover cap left Material b 1 x Cover cap right Z 3.8000 Corresting of: International steel ste</td><td>Î</td><td></td><td>EXPANDO</td><td>0</td><td>177H3100E</td></tr><tr><td>4 Cover cap set Colour Material SW, HGR, TGR K 22.8000 Consisting of: - 1 x Cover cap left b1 x Cover cap right c2 x Branding element, embossed with Blum logo IN-G Material SW, HGR, TGR K 23.8000 Cover cap set for SERVO-DRIVE Colour Material SW, HGR, TGR K 23.8000 Colour Material SW, HGR, TGR SW, HGR, TGR K 23.8000 Colour Material SW, HGR, TGR SW, HGR, TGR K 23.8000 Colour Material SW, HGR, TGR SW, HGR, TGR K 23.8000 Cover cap set for SERVO-DRIVE SW, HGR, TGR K 23.8000 Cover cap right SERVO-DRIVE cover cap left Inserver cop right Server cop right <td colspa=</td><td>A Cover cap set Colour Material SW, HGR, TGR K 22.8000 Corsisting of: - 1 x Cover cap left b 1 x Cover cap right - c 2 x Branding element, embossed with Blum logo IN-G A Cover cap set for SERVO-DRIVE Colour Material SW, HGR, TGR K 23.8000 Corsisting of: SW, HGR, TGR K 23.8000 A Cover cap set for SERVO-DRIVE Colour Material sw, HGR, TGR K 23.8000 23.8000 Corsisting of: SW, HGR, TGR K 23.8000 Corsisting of: Sum of sum</td><td></td><td></td><td>Knock-in</td><td>0</td><td>177H3100</td></tr><tr><td>4 Cover cap set Colour Material SW, HGR, TGR K 22.8000 Consisting of: - 1 x Cover cap left b1 x Cover cap right c2 x Branding element, embossed with Blum logo IN-G Material SW, HGR, TGR K 23.8000 Cover cap set for SERVO-DRIVE Colour Material SW, HGR, TGR K 23.8000 Colour Material SW, HGR, TGR SW, HGR, TGR K 23.8000 Colour Material SW, HGR, TGR SW, HGR, TGR K 23.8000 Colour Material SW, HGR, TGR SW, HGR, TGR K 23.8000 Cover cap set for SERVO-DRIVE SW, HGR, TGR K 23.8000 Cover cap right SERVO-DRIVE cover cap left Inserver cop right Server cop right <td colspa=</td><td>A Cover cap set Colour Material SW, HGR, TGR K 22.8000 Corsisting of: - 1 x Cover cap left b 1 x Cover cap right - c 2 x Branding element, embossed with Blum logo IN-G A Cover cap set for SERVO-DRIVE Colour Material SW, HGR, TGR K 23.8000 Corsisting of: SW, HGR, TGR K 23.8000 A Cover cap set for SERVO-DRIVE Colour Material sw, HGR, TGR K 23.8000 23.8000 Corsisting of: SW, HGR, TGR K 23.8000 Corsisting of: Sum of sum</td><td>All hori:</td><td>zontal ste</td><td>el mounting plates with 0 r</td><td>nm spacing poss</td><td>ible</td></tr><tr><td>ColourMaterialSW, HGR, TGRK22.8000Cover cap left1 xCover cap left1 xCover cap right2 xBranding element, embossed with Blum logoIN-GIN-GCover cap set for SERV-DRIVEColourMaterialSW, HGR, TGRK23.8000Cover cap set for SERV-DRIVEColourMaterialSW, HGR, TGRKSW, HGR, TGRKSW, HGR, TGRK1 xSERVO-DRIVE cover cap leftSW, HGR, TGRK1 xSERVO-DRIVE cover cap leftSUB1 xCover cap rightSERVO-DRIVE cover cap leftIn-G</t</td><td>ColourMaterialSW, HGR, TGRK22.8000Cover cap left1 xCover cap left1 xCover cap right2 xBranding element, embossed with Blum logoIN-GIN-GCover cap set for SERV-DRIVECover cap set for SERV-DRIVECover cap set for SERV-DRIVESW, HGR, TGRMaterialSW, HGR, TGRK23.8000Cover cap leftb1 xSERVO-DRIVE cover cap leftb1 xSERVO-DRIVE cover cap leftb1 xSERVO-DRIVE cover cap leftbMaterial(In Cover cap rightCover cap rightCLIP top 120° hingeINSERTAUnsprung70155500ELS</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>SW, HGR, TGR K 22.8000 Cover cap left 1 x Cover cap right 1 x Cover cap right 1 x Cover cap right 1 x Cover cap set for SERVO-DRIVE 1 x SW, HGR, TGR K 23.8000 Colour 1 x SERVO-DRIVE cover cap left 1 x SERVO-DRIVE cover cap left SW, HGR, TGR 1 x SERVO-DRIVE cover cap left SW, HGR, TGR 1 x SERVO-DRIVE sover cap left SW, HGR, TGR 1 x SERVO-DRIVE sover cap left SW, HGR, TGR 1 x SERVO-DRIVE sover cap left SW, HGR, TGR 1 x SERVO-DRIVE sover cap left SW, HGR, TGR 2 x Branding element, embossed with Blum logo INGR 1 x SERVO-DRIVE sover cap right SW, HGR, TGR 2 x SERVO-DRIVE sover cap set for SERV SW, HGR, TGR 3 x SERVO-DRIVE sover cap right SW, HGR, TGR</td><td>SW, HGR, TGR K 22.8000 Cover cap left b 1 x Cover cap right c 2 x Branding element, embossed with Blum logo IN-G IN-G Material SW, HGR, TGR Material SW, HGR, TGR SW, HGR, TGR K 23.8000 Cover cap set for SERVO-DRIVE SW, HGR, TGR K 23.8000 Colour Material SW, HGR, TGR SW, HGR, TGR K 23.8000 Colour Material SW, HGR, TGR SW, HGR, TGR K 23.8000 Colour Material SW, HGR, TGR SW, HGR, TGR K 23.8000 Colour Material SW, HGR, TGR SW, HGR, TGR K 23.8000 Colour Material SW, HGR, TGR SW, HGR, TGR K 23.8000 INSERVO-DRIVE cover cap left INSERTA Unsprung</</td><td>4</td><td></td><td>Cover cap set</td><td></td><td></td></tr><tr><td>Consisting of: 1 x Cover cap left b 1 x Cover cap right c 2 x Branding element, embossed with Blum logo IN-G IN-G Material SW, HGR, TGR K 23.8000 Cover cap set for SERVO-DRIVE Colour Material SW, HGR, TGR K 23.8000 Cover cap set for SERVO-DRIVE Image: Serve of the serve of the</td><td>Consisting of:
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2 x Branding element, embossed with Blum logo
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SW, HGR, TGR K 23.8000
Consisting of:
a 1 x SERVO-DRIVE cover cap left
b 1 x Cover cap right
c 2 x Branding element, embossed with Blum logo
IN-G
d 2 x SERVO-DRIVE switch
e 6 x Blum distance bumper Ø 5 mm
5 CLIP top 120° hinge
Boss Spring
INSERTA Unsprung 70T5590BTL
Screw-on 1 Unsprung 70T5590BTL
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Colour Material
SW, HGR, TGR K 23.8000
Consisting of:
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ta 1 x SERVO-DRIVE cover cap left
ta 1 x SERVO-DRIVE cover cap left
ta 2 x Branding element, embossed with Blum logo
IN-G
ta 2 x SERVO-DRIVE switch
ta 6 x Blum distance bumper Ø 5 mm
SUB CLIP top 120° hinge
Boss Spring
INSERTA Unsprung 70T5590BTL
Screw-on ' Unsprung 70T5590BTL
Screw-on ' Unsprung 70T5590BTL
Screw-on ' Unsprung 70T5590BTL</td><td>IN-G
Cover cap set for SERVO-DRIVE
Colour Material
SW, HGR, TGR K 23.8000
Consisting of:
a 1 x SERVO-DRIVE cover cap left
b 1 x Cover cap right
c 2 x Branding element, embossed with Blum logo
IN-G
d 2 x SERVO-DRIVE switch
e 6 x Blum distance bumper Ø 5 mm
CLIP top 120° hinge
Boss Spring 10050000000000000000000000000000000000</td><td>lb 1 x</td><td>Cover c</td><td>ap right</td><td></td><td></td></tr><tr><td>A Cover cap set for SERVO-DRIVE Image: Construct of the set for SERVO-DRIVE Material SW, HGR, TGR Material SW, HGR, TGR K 23.8000 Cover cap right K 23.8000 Image: Cover cap right K 23.8000 Image: Cover cap right K 23.8000 Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right 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x</td><td>Brandin</td><td>g element, embossed with</td><td>n Blum logo</td><td></td></tr><tr><td>Colour Material SW, HGR, TGR K 23.8000 Colour SW, HGR, TGR SW, HGR, TGR K 23.8000 Colspan=">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Material SW, HGR, TGR K 23.8000 Colspan="2">Colspan="2" Colspan="2">Colspan="2" Cover cap right CLIP top 120° hinge CLIP top 120° hinge Cover cap right INSERTA Unsprung 7015590BTL Serew-on 1 U</td> <td>Colour Material SW, HGR, TGR K 23.8000 Colour SW, HGR, TGR K 23.8000 Colour SW, HGR, TGR K 23.8000 Corsisting of: SW, HGR, TGR K 23.8000 Corsisting of: SERVO-DRIVE cover cap left Image: Cover cap right Image: Cover cap right In-G Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap 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| Colour Material SW, HGR, TGR K 23.8000 Colour SW, HGR, TGR K 23.8000 Colour Colour K 23.8000 Colour Ka 1 x SERVO-DRIVE cover cap left IN-G IN-G IN-G CLIP top 120° hinge Serve-DRIVE switch INSERTA Unsprung INSERTA Unsprung INSERTA Unsprung Serew-on 1 INSERTA Unsprung Sorew-on 1 INSERTA Unsprung INSERTA Unsprung Sorew-on 1 Inserta Unsprung Sorew-on 1 Inserta Unsprung Sorew-on Inserta Inserta Inserta | Colour Material SW, HGR, TGR K 23.8000 Colour SW, HGR, TGR K 23.8000 Colour SW, HGR, TGR K 23.8000 Corsisting of: SW, HGR, TGR K 23.8000 Corsisting of: SERVO-DRIVE cover cap left Image: Cover cap right Image: Cover cap right In-G Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right Image: Cover cap right <t< th=""><th>4</th><th></th><th>Cover cap set for SEB</th><th></th><th></th></t<>

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 | | Cover cap set for SEB | | | | |
| SW, HGR, TGR K 23.8000 Consisting of: Image: Serve-DRIVE cover cap left Image: Serve-DRIVE switch Image: Serve-DRIVE switch <td colspan="2" imag<="" td=""><td>SW, HGR, TGR K 23.8000 Cover cap left In SERVO-DRIVE switch In Servo- ninge In Servo- ninge INSERTA In Servo- n In In Servo- n In In Servo- n In In Servo- n</td><td></td><td>۔</td><td></td><td></td><td></td></td> | <td>SW, HGR, TGR K 23.8000 Cover cap left In SERVO-DRIVE switch In Servo- ninge In Servo- ninge INSERTA In Servo- n In In Servo- n In In Servo- n In In Servo- n</td> <td></td> <td>۔</td> <td></td> <td></td> <td></td>

 | | SW, HGR, TGR K 23.8000 Cover cap left In SERVO-DRIVE switch In Servo- ninge In Servo- ninge INSERTA In Servo- n In In Servo- n In In Servo- n In In Servo- n | | ۔ | | | |
| Consisting of:
a 1 x SERVO-DRIVE cover cap left
b 1 x Cover cap right
c 2 x Branding element, embossed with Blum logo
IN-G
d 2 x SERVO-DRIVE switch
b 6 x Blum distance bumper Ø 5 mm
5 CLIP top 120° hinge
Boss Spring
INSERTA Unsprung 70T5590BTL
Screw-on ' Unsprung 70T5590BTL
Boss overlay TO (fixed dimension) 11 mm | Consisting of:
a 1 x SERVO-DRIVE cover cap left
b 1 x Cover cap right
c 2 x Branding element, embossed with Blum logo
IN-G
d 2 x SERVO-DRIVE switch
e 6 x Blum distance bumper Ø 5 mm
5 CLIP top 120° hinge
Boss Spring
INSERTA Unsprung 70T5590BTL
Screw-on 1 Unsprung 70T5590BTL
Boss overlay TO (fixed dimension) 11 mm

 |
 | | Colour | Material | | | |
| I x SERVO-DRIVE cover cap left 1 x Cover cap right 2 x Branding element, embossed with Blum logo IN-G IN-G 2 x SERVO-DRIVE switch 6 x Blum distance bumper Ø 5 mm CLIP top 120° hinge Spring INSERTA Unsprung 70T5590BTL Screw-on 1 Unsprung 70T5550.TL Boss overlay TO (fixed dimension) | a 1 x SERVO-DRIVE cover cap left b 1 x Cover cap right c 2 x Branding element, embossed with Blum logo IN-G IN-G cd 2 x SERVO-DRIVE switch e 6 x Blum distance bumper Ø 5 mm CLIP top 120° hinge Serve-on INSERTA Unsprung 70T5590BTL Screw-on 1 Unsprung 70T5550.TL Boss overlay TO (fixed dimension)

 | 88
 | | SW, HGR, TGR | К | 23.8000 | | |
| Instruction Cover cap right Instruction Instruction | 1 x Cover cap right 2 x Branding element, embossed with Blum logo
IN-G 2 x SERVO-DRIVE switch 6 x Blum distance bumper Ø 5 mm CLIP top 120° hinge Server Serve

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| and a x and a constraint of a c | a 2 x SERVO-DRIVE switch b 6 x Blum distance bumper Ø 5 mm c CLIP top 120° hinge b INSERTA Unsprung c Screw-on Unsprung c Vorts550.TL Boss Screw-on t Unsprung t Tot5550.TL Boss Strew-on t Unsprung t Tot5550.TL Boss Strew-on t Unsprung t Tot5550.TL

 | lc 2 x |
 | g element, embossed with | n Blum logo | | | |
| Arrow Blum distance bumper Ø 5 mm S CLIP top 120° hinge Boss Spring INSERTA Unsprung 70T5590BTL Screw-on Unsprung 70T5550.TL Boss Inserta Unsprung 11 mm | Image: Book of the stand stands of the stands of

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| Solution CLIP top 120° hinge Boss Spring INSERTA Unsprung 70T5590BTL Screw-on Unsprung 70T5550.TL Boss overlay TO (fixed dimension) 11 mm | Solution CLIP top 120° hinge Boss Spring INSERTA Unsprung 70T5590BTL Screw-on Unsprung 70T5550.TL Boss overlay TO (fixed dimension) 11 mm

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| Boss Spring INSERTA Unsprung 70T5590BTL Screw-on Unsprung 70T5550.TL Boss overlay TO (fixed dimension) 11 mm | Boss Spring INSERTA Unsprung 70T5590BTL Screw-on Unsprung 70T5550.TL Boss overlay TO (fixed dimension) 11 mm

 | 4e 6 x Blum distance bumper Ø 5 mm
 | | | | | | |
| INSERTA Unsprung 70T5590BTL
Screw-on ¹ Unsprung 70T5550.TL
Boss overlay TO (fixed dimension) 11 mm | INSERTA Unsprung 70T5590BTL
Screw-on ¹ Unsprung 70T5550.TL
Boss overlay TO (fixed dimension) 11 mm

 | 5
 | | CLIP top 120° hinge | | | | |
| Screw-on ¹ Unsprung 70T5550.TL
Boss overlay TO (fixed dimension) 11 mm | Screw-on ¹ Unsprung 70T5550.TL
Boss overlay TO (fixed dimension) 11 mm

 |
 | | Boss | Spring | | | |
| Boss overlay TO (fixed dimension) 11 mm | Boss overlay TO (fixed dimension) 11 mm

 | سىچى
 | P | INSERTA | Unsprung | 70T5590BTL | | |
| |

 |
 | - | Screw-on 1 | Unsprung | 70T5550.TL | | |
| 3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight | 3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight

 | Boss overlay TO (fixed dimension) 11 mm
 | | | | | | |
| |

 | 2 bingon starting at appingt width KB 1000 mm and/or 10 kg front weight
 | | | | | | |

4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight

Alternative to 5					
-	CLIP top 120° special	CLIP top 120° special hinge for larger front overlay			
6	Boss	Spring			
	INSERTA	Unsprung	72T5590BTL		
	Screw-on 1	Unsprung	72T5550.TL		
Boss overlay T	Boss overlay TO (fixed dimension) 13 mm				
3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight					
4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight					

	Mounting plate for CLI	P top 120° hing	e	
	Fixing method	Spacing (mm)		
<u> </u>	Screw-on 1	0	175H3100	
S.	EXPANDO	0	177H3100E	
	Knock-in	0	177H3100	

Standard mounting plates, spacing depends on the upper front overlay

6

7

	P top centre hinge		
Bos	s	Spring	
Scre	w-on 1	Unsprung	78Z5500T
EXP	ANDO	Unsprung	78Z553ET

3 hinges starting at cabinet width KB 1200 mm and/or 12 kg front weight

4 hinges for cabinet width KB 1800 mm and/or starting at 20 kg front weight

8	Mounting plate for CLIP top centre hinge			
	Fixing method	Spacing (mm)		
<u> </u>	Screw-on 1	0	175H3100	
	EXPANDO	0	177H3100E	
	Knock-in	0	177H3100	

Standard mounting plates with 0 mm spacing

Only use cruciform mounting plates for wide aluminium frames under a 57 mm frame width

¹ Use 2 chipboard screws (609.1x00) per side for wooden fronts. Use 2 countersunk self-tapping screws (660.0950) per side for wide aluminium frames.

eblum

Wooden fronts and wide aluminium frames

Ordering information

9			SERVO-DRIVE set				
Ð			Colour	Material			
		<	R7037	К	23.A000		
Co	onsis	ting of:					
9a	1 x	SERVO	-DRIVE drive unit				
9b	1 x	SERVO	-DRIVE distribution cable	, 1500 mm			
-	1 x	Connec	ting node				
-	2 x	Cable end protector					
For three lift mechanisms or more, we recommend two synchronised drive units							
10			SERVO-DRIVE power	supply unit and	accessories		

See page 56

Optional

4c	Branding element			
s blottan	Material	Colour		
Relience	К	SW-M, TGR	IN-G	
Printed *	2 x	ABD.1000.BL	ABD.1009.BL	
Embossed *	2 x	ABD.1000.BT	ABD.1009.BT	
Plain	2 x	ABD.1000	ABD.1009	
* With Blum logo				
From 1000 pcs:				
Customised, printed branding element				
From 5000 pcs:				
Customised, em	oossed branding eleme	nt		

Colours and material

Name	
SW	Silk white
HGR	Light grey
TGR	Dark grey
R7037	RAL 7037 dust grey
SW-M	Silk white matt
IN-G	In-mould brushed stainless steel
К	Nylon

Narrow aluminium frames



Note

Ordering information

Power factor (LF) = cabinet height* (KH) [mm] x front weight including handle weight [kg]

* Calculate with theoretical cabinet height (TKH) for asymmetrical fronts

For asymmetrical fronts: theoretical cabinet height TKH = front height top FHo (mm) x 2 + gaps

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

We recommend the more powerful lift mechanism for applications in overlapping ranges. A trial application is recommended when you are in a borderline area of the individual lift mechanism.

The power factor can be increased by 50% when using a third lift mechanism. We recommend a third lift mechanism for wide cabinets. This will prevent the front from sagging when open.

22F2800

1	Lift mechanism set	
	Fixing with chipboard screws with positio	ning system
	LF	
	2700–13500	22F2500

- Consisting of:
- 2 x Symmetrical lift mechanism 1
- incl. positioning system
- Chipboard screws Ø 4 x 35 mm 8 x

10000-19300

- Ideal for higher wall cabinets with bi-fold fronts
- Cabinet height 480-1200 mm
- Cabinet width up to 1800 mm
- Internal depth of at least 264 mm
- Integrated BLUMOTION adjustment feature for soft and effortless closing
- Light operating forces
- Variable stop
- Integrated opening angle stop
- Fixed position of the lift mechanism and front fixing bracket
- Symmetrical lever arm
- Tool-free assembly
- Two lift mechanism fixing methods
- 3-dimensional adjustment of both fronts
- Centre hinge with finger safety feature

1		Lift mechanism set	
		Fixing with pre-mounted system screws	
		LF	
		2700–13500	22F2510
		10000–19300	22F2810
LF Po	ower facto	r	
Consis	ting of:		
1 2 x	Symme	trical lift mechanism with pre-mounted sys	tem screws

(blum

Narrow aluminium frames

Ordering information

0									
2									
	Á	1	Cabinet height (mm)*						
	R	VA	480–610 22F320						
H		RV	600–910		22F3500				
	Î		840–1200 22F3900						
Consisting of:									
2	2 x	Symme							
			al fronts: theoretical cab	inet height TKH	=				
front height top FHo (mm) x 2 + gaps									
3			CLIP adapter plate set for telescopic arms						
(R	đ	Version	Spacing (mm)					
		H	Left/right	0	175H5B00				
4			Cover cap set						
			Colour	Material					
			SW, HGR, TGR	К	22.8000				
Co	onsis	ting of:							
-	1 x	Cover c	ap left						
4b	1 x	Cover c	ap right						
4c	2 x	Brandin	g element, embossed wit	h Blum logo					
		IN-G							
		_							
4 Г		_	Cover cap set for SER	VO-DRIVE					
Ę			Colour	Material					
		-	SW, HGR, TGR	К	23.8000				
Co	nsist								
4a									
	1 x	ting of: SERVO	-DRIVE cover cap left						
	1 x 1 x	-	•						
4b		SERVO Cover c	•	h Blum logo					
4b	1 x	SERVO Cover c	ap right	h Blum logo					
4b	1 x	SERVO Cover c Brandin IN-G	ap right	h Blum logo					
4b 4c	1 x 2 x	SERVO Cover c Brandin IN-G SERVO	ap right g element, embossed wit	h Blum logo					
4b 4c 4d	1 x 2 x 2 x	SERVO Cover c Brandin IN-G SERVO	ap right g element, embossed wit -DRIVE switch		inge				
4b 4c 4d 4e	1 x 2 x 2 x	SERVO Cover c Brandin IN-G SERVO	ap right g element, embossed wit -DRIVE switch stance bumper Ø 5 mm		inge				
4b 4c 4d 4e	1 x 2 x 2 x	SERVO Cover c Brandin IN-G SERVO	ap right g element, embossed wit -DRIVE switch stance bumper Ø 5 mm CLIP top 120° alumini	um frame door h	inge 72T550A.TL				
4b 4c 4d 4e 5	1 x 2 x 2 x 6 x	SERVO Cover c Brandin IN-G SERVO Blum dia	ap right g element, embossed wit -DRIVE switch stance bumper Ø 5 mm CLIP top 120° alumini Boss Screw-on	um frame door h Spring Unsprung	72T550A.TL				
4b 4c 4d 4e 5	1 x 2 x 6 x	SERVO Cover c Brandin IN-G SERVO Blum dia Data Starting	ap right g element, embossed wit -DRIVE switch stance bumper Ø 5 mm CLIP top 120° alumini Boss	um frame door h Spring Unsprung mm and/or 12 kg	72T550A.TL front weight				
4b 4c 4d 4e 5 3 h 4 h	1 x 2 x 6 x	SERVO Cover c Brandin IN-G SERVO Blum dia Data Starting	ap right g element, embossed with -DRIVE switch stance bumper Ø 5 mm CLIP top 120° alumini Boss Screw-on at cabinet width KB 1200	um frame door h Spring Unsprung mm and/or 12 kg	72T550A.TL front weight				
4b 4c 4d 4e 5 3 h	1 x 2 x 6 x	SERVO Cover c Brandin IN-G SERVO Blum dia Data Starting	ap right g element, embossed with -DRIVE switch stance bumper Ø 5 mm CLIP top 120° alumini Boss Screw-on at cabinet width KB 1200	um frame door h Spring Unsprung mm and/or 12 kg d/or starting at 20	72T550A.TL front weight kg front weight				
4b 4c 4d 4e 5 3 h 4 h	1 x 2 x 6 x	SERVO Cover c Brandin IN-G SERVO Blum dia Data Starting	ap right g element, embossed wit -DRIVE switch stance bumper Ø 5 mm CLIP top 120° alumini Boss Screw-on at cabinet width KB 1200 net width KB 1800 mm an	um frame door h Spring Unsprung mm and/or 12 kg d/or starting at 20	72T550A.TL front weight kg front weight				
4b 4c 4d 4e 5 3 h 4 h	1 x 2 x 6 x	SERVO Cover c Brandin IN-G SERVO Blum dia Data Starting	ap right g element, embossed with -DRIVE switch stance bumper Ø 5 mm CLIP top 120° alumini Boss Screw-on at cabinet width KB 1200 net width KB 1800 mm an Mounting plate for CL	um frame door h Spring Unsprung mm and/or 12 kg d/or starting at 20 IP top 120° hing	72T550A.TL front weight kg front weight				
4b 4c 4d 4e 5 3 h 4 h	1 x 2 x 6 x	SERVO Cover c Brandin IN-G SERVO Blum dia Data Starting	ap right g element, embossed wit -DRIVE switch stance bumper Ø 5 mm CLIP top 120° alumini Boss Screw-on at cabinet width KB 1200 net width KB 1800 mm an Mounting plate for CL Fixing method	um frame door h Spring Unsprung mm and/or 12 kg d/or starting at 20 IP top 120° hing Spacing (mm)	72T550A.TL front weight kg front weight e				

Standard mounting plates, spacing depends on the upper front overlay

7			CLIP top aluminium ce	entre hinge				
	5		Boss	Spring				
Ċ	-7)	Screw-on	Unsprung	78Z550A1			
3 h	linge	s starting	at cabinet width KB 1200	mm and/or 12 kg	front weight			
4 h	linge	s for cabii	net width KB 1800 mm and	d/or starting at 20) kg front weight			
8			CLIP adapter plate for	centre hinges				
			Version	Spacing (mm)				
			Symmetrical	175H5A0(
9			SERVO-DRIVE set					
F			Colour	Material				
		~	R7037	К	23.A000			
Co	nsis	ting of:						
9a	1 x	SERVO	-DRIVE drive unit					
9b	1 x	SERVO	-DRIVE distribution cable,	, 1500 mm				
-	1 x	Connec	ting node	ting node				
-	2 x	Cable e	nd protector					
For three lift mechanisms or more, we recommend two synchronised drive units								
10			SERVO-DRIVE power	supply unit and	accessories			
Se	e paç	je 56						

Optional

Branding element						
Material	Colour					
К	SW-M, TGR	IN-G				
2 x	ABD.1000.BL	ABD.1009.BL				
2 x	ABD.1000.BT	ABD.1009.BT				
2 x	ABD.1000	ABD.1009				
ted branding element						
ossed branding elemer	ıt					
	Material K 2 x 2 x 2 x 2 x	Material Col K SW-M, TGR 2 x ABD.1000.BL 2 x ABD.1000.BT 2 x ABD.1000				

Colours and material

Name	
SW	Silk white
HGR	Light grey
TGR	Dark grey
R7037	RAL 7037 dust grey
SW-M	Silk white matt
IN-G	In-mould brushed stainless steel
К	Nylon

Wooden fronts, wide and narrow aluminium frames

Planning





4 x chipboard screws Ø 4 x 35 mm

* 116 mm for cabinet height KH 520–1200 mm 93 mm for cabinet height KH 480–519 mm



Fixing position for lift mechanism with pre-mounted system screws



Cabinet height KH (mm)	X (mm)	Y (mm)
480–519	38.5	102
520–1200	38.5	124

* 116 mm for cabinet height KH 520–1200 mm 93 mm for cabinet height KH 480–519 mm

Wooden fronts, wide and narrow aluminium frames

Planning





X max = FH x 0.9 + 1.5 x FD + 35

Opening angle stop	Y (mm)
Unsprung	FH x 0.44 + 38
107°	FH x 0.29 + 35
97°	FH x 0.12 + 31
88°	28
81°	0
FD Front thickness	
FH Front height	

KH Cabinet height





Planning

Wood and wide aluminium frames





F Gap

() CLIP top 120° special hinge

Drilling distance TB

QW	Fro	nt ove	erlay	FA (m	m)								
	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									
MD	Mour	nting p	late s	pacin	g (mm	ı)							

The front overlay must always be 2 mm bigger for the CLIP top 120 $^\circ$ special hinge.

Screw-on assembly



Cabinet height KH (mm)	Z (mm)
480–519	170
520–1200	189

F1	Gap 1
F2	Gap 2
FAu	Bottom front overlay
FHo	Front height top
FHu	Lower front height
SFA	Side front overlay

CLIP top centre hinge



F Min. gap 1.5 mm

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

Drilling distance TB

MD	Horizontal gap F between fronts (mm)				
Σ		3	4	5	6
0		6	5	4	3
3					
6					
9					
MD	Mounting plate spacing (mm)				

INSERTA | EXPANDO assembly



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Narrow aluminium frames

Planning

Narrow aluminium frame



Cabinet height KH (mm)	Z (mm)
480–519	188
520–1200	207
F Gap	
FAu Bottom front overlay	
FHo Front height top	

FHu Lower front height

CLIP top 120° aluminium frame door hinge







F Min. gap 1.5 mm

The gap needs to be adjusted for frame thicknesses over 20.5 mm



* When changing material thickness, adjust the assembly dimensions accordingly



Find more information on assembly and adjustment of AVENTOS HF top at

www.blum.com/hftopassembly

SERVO-DRIVE for AVENTOS HF top

Planning





SERVO-DRIVE switch

Consider drilling the Blum distance bumper in the cabinet side

A trial application must be carried out when fixing to the front

* From cabinet bottom edge for fronts that protrude below

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Accessories for AVENTOS HF top

Ordering information

Hinge set – wooden fronts



Orderi	ng information	
Fixing	method	
INSER	A Knock-in EXPANDO	ත 78Z5530T11
Consis	ting of:	
2x	CLIP top 120° hinge unsprung	
	70T5590BTL	
2 x	CLIP top centre hinge unsprung	
	78Z5530T	
6 x	Horizontal cam mounting plate	
	177H3100	

Hinge set – wooden fronts and wide aluminium frames



Orderii	Ordering information			
Fixing	method			
Screw-	on ¹			
Consis	ting of:			
2x	CLIP top 120° hinge unsprung			
	70T5550.TL			
2 x	CLIP top centre hinge unsprung			
	78Z5500T			
6 x	Horizontal cam mounting plate			
	175H3100			
¹ Use chipboard screws (609.1x00) for wooden fronts. Use countersunk self-tapping screws (660.0950) for wide aluminium frames.				

For wide aluminium frames, an additional cruciform mounting plate is required for the CLIP top centre hinge.

Hinge set – narrow aluminium frames



Ordering information				
Fixing	method			
Screw-	on 278Z550AT11			
Consis	ting of:			
2x	CLIP top 120° aluminium frame door hinge unsprung			
	72T550A.TL			
2 x	CLIP top aluminium centre hinge unsprung			
	78Z550AT			
2 x	Horizontal cam mounting plate			
	175H5400			
2 x	CLIP adapter plate symmetric			
	175H5A00			
2 x	CLIP adapter plate left/right			
	175H5B00			

AVENTOS HS top



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Ordering information

Note

We recommend the more powerful lift mechanism for applications in overlapping ranges. A trial application is recommended when you are in a borderline area of the individual lift mechanism.

The power factor can be increased by 50% when using a third lift mechanism. We recommend a third lift mechanism for wide cabinets. This will prevent the front from sagging when open.

1		Lift mechanism set		
		Fixing with chipboard screws with positioning system		
		KH (mm)	FG (kg)	
		350-450	2.00-11.50	2252200
(a)		450-540	2.50-12.50	2232200
		480–660	2.75-15.25	22S2500
		650-800	3.50-18.50	22S2800
FG Fr	ont weigh	t		
KH Ca	abinet hei	ght		
Consisting of:				
1 2 x	Symme	Symmetrical lift mechanism		
	incl. pos	incl. positioning system		
- 8 x	Chipboard screws Ø 4 x 35 mm			

1		Lift mechanism set				
		Fixing with pre-mou	inted system screws			
	~	KH (mm)	FG (kg)			
	350-450	2.00-11.50	22S2210			
		450–540	2.50-12.50	2252210		
		480–660	2.75–15.25	22S2510		
		650-800	3.50-18.50	22S2810		
FG Fr	FG Front weight					
KH Cabinet height						
Consisting of:						
1 2 x	2 x Symmetrical lift mechanism with pre-mounted system screws					

- Ideal for large, one-part fronts
- Cabinet height 350-800 mm
- Cabinet width up to 1800 mm
- Internal depth of at least 264 mm
- Integrated BLUMOTION adjustment feature for soft and effortless closing
- Light operating forces
- Variable stop
- Fixed position of the lift mechanism and front fixing bracket
- Symmetrical lever arm
- Tool-free assembly
- Two lift mechanism fixing methods
- 3-dimensional adjustment of the front

Ordering information

	iei li	ig inioi	mation			
2			Lever arm set			
q	Ĵ		Colour	Material		
			NI	Steel	22\$3500	
Co	nsis	ting of:				
2	2 x	Symmet	rical lever arm			
3			Cover cap set			
			Colour	Material		
		8	SW, HGR, TGR	К	22.8000	
Co	nsis	ting of:				
-	1 x	Cover c	ap left			
3b	1 x	Cover c	ap right			
3c	2 x	Brandin	g element, embossed with	n Blum logo		
		IN-G				
3			Cover cap set for SER			
Г		-				
6			Colour	Material		
1			SW, HGR, TGR	К	23.8000	
Co	onsis	ting of:				
3a	1 x	SERVO	-DRIVE cover cap left			
3b	1 x	Cover c	ap right			
3c	2 x	Brandin	g element, embossed with	n Blum logo		
		IN-G				
3d	2 x	SERVO	-DRIVE switch			
3e	6 x	Blum dis	stance bumper Ø 5 mm			
4			Front fixing bracket se	t		
			Version			
			Wooden fronts and wide aluminium frames	1	20\$4200	
	-		Narrow aluminium frame	s	20S4200A	
¹ Use 4 chipboard screws (609.1x00) per side for wooden fronts. Use 4 countersunk self-tapping screws (660.0950) per side for wide aluminium frames.						
Alternative to front fixing bracket set						
-			Front fixing bracket			
	,		Version			
			Thin fronts	2 x	20S42T1	
EV	EXPANDO T suitable for thin fronts – see page 54					
EXPANDO T suitable for thin froms – see page 54						

5			SERVO-DRIVE set		
			Colour	Material	
	N.		R7037	К	23.A000
Co	onsis	ting of:			
5a	1 x	SERVO	-DRIVE drive unit		
5b	1 x	SERVO-DRIVE distribution cable, 1500 mm			
-	1 x	Connecting node			
-	2 x	Cable end protector			
	For three lift mechanisms or more, we recommend two synchronised drive units				
0	•				
6	6 SERVO-DRIVE power supply unit and accessories				
Se	See page 56				

Optional

3c	Branding element			
(Libras)	Material	Colour		
KENTAD A	К	SW-M, TGR	IN-G	
Printed *	2 x	ABD.1000.BL	ABD.1009.BL	
Embossed *	2 x	ABD.1000.BT	ABD.1009.BT	
Plain	2 x	ABD.1000	ABD.1009	
* With Blum logo				
From 1000 pcs:				
Customised, prin	Customised, printed branding element			
From 5000 pcs:				
Customised, embossed branding element				

Colours and material

Name	
SW	Silk white
HGR	Light grey
TGR	Dark grey
R7037	RAL 7037 dust grey
SW-M	Silk white matt
NI	Nickel plated
IN-G	In-mould brushed stainless steel
К	Nylon

Planning



- KH Cabinet height
- LT Internal cabinet depth



- X 38.5 mm
- Y 45 mm

Space requirement



Symmetrical aluminium frames



- KH Cabinet height
- LT Internal cabinet depth

Fixing position for lift mechanism with pre-mounted system screws



SERVO-DRIVE

- X 38.5 mm
- Y 45 mm



Dimensions depend on tilt adjustment

Planning

Front assembly

Wooden fronts and wide aluminium frames



Narrow aluminium frames



- FAo Upper front overlay
 - FAu Bottom front overlay
 - F Gap
 - Z 195.5 + FAo
 - FH Front height
 - KH Cabinet height

FAo Upper front overlay

FAu Bottom front overlay

- F Gap
- Z 195 + FAo
- FH Front height
- KH Cabinet height
- SFA Side front overlay





Find more information on assembly and adjustment of AVENTOS HS top at

www.blum.com/hstopassembly

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SERVO-DRIVE for AVENTOS HS top

Planning





* From cabinet bottom edge for fronts that protrude below



AVENTOS HL top

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- Ideal for small one-part fronts
- Cabinet height 300-580 mm
- Cabinet width up to 1800 mm
- Internal depth of at least 264 mm
- Integrated BLUMOTION adjustment feature for soft and effortless closing
- Light operating forces
- Variable stop
- Fixed position of the lift mechanism and front fixing bracket
- Symmetrical lever arm
- Tool-free assembly
- Two lift mechanism fixing methods
- 3-dimensional adjustment of the front

Ordering information

1			Lift mechanism set	
		Fixing with chipboard screws with		oning system
			KH (mm)	
			300–389	22L2200
			390–580	22L2500
KH	l Ca	binet hei	ght	
Co	nsis	ting of:		
1	2 x	Symme	trical lift mechanism	
-	-	incl. positioning system		
-	8 x	Chipbo	ard screws Ø 4 x 35 mm	



Lift mechanism set	
Fixing with pre-mounted system screws	
KH (mm)	
300–389	22L2210
390–580	22L2510

KH Cabinet height

Consisting of:

1 2 x Symmetrical lift mechanism with pre-mounted system screws

2			Lever arm set			
			Colour		Material	
		Dan	NI		Steel	
2			KH (mm)	FG (kg	g)	
Ĩ			300–339	1.50-9	9.00	22L3200
k			340–389	1.75–1	0.00	22L3500
•			390–540	2.00-1	12.25	22L3800
			480–580	2.50-1	14.00	22L3900
FG	i Fro	ont weigh	t			
KH	l Ca	binet hei	ght			
Co	nsis	ting of:				
2a	2 x	Symme	trical lever arm			
2b	2 x	Cross stabiliser cover cap				
2c	1 x	Adapter	for cross stabiliser r	od		
2d	1 x	Length	adapter for cross stal	biliser		

Ordering information

 3c 2 x Branding element, embossed with Blum logo IN-G 3 Cover cap set for SERVO-DRIVE 	22.8000
SW, HGR, TGR K Consisting of: - 1 x Cover cap left 3b 1 x Cover cap right 3c 2 x Branding element, embossed with Blum logo IN-G Cover cap set for SERVO-DRIVE	22.8000
Consisting of: 1 x Cover cap left 3b 1 x Cover cap right 3c 2 x Branding element, embossed with Blum logo IN-G 3 Cover cap set for SERVO-DRIVE	22.8000
 1 x Cover cap left 3b 1 x Cover cap right 3c 2 x Branding element, embossed with Blum logo IN-G 3 Cover cap set for SERVO-DRIVE 	
 3b 1 x Cover cap right 3c 2 x Branding element, embossed with Blum logo IN-G 3 Cover cap set for SERVO-DRIVE 	
3c 2 x Branding element, embossed with Blum logo IN-G 3 Cover cap set for SERVO-DRIVE	
IN-G 3 Cover cap set for SERVO-DRIVE	
3 Cover cap set for SERVO-DRIVE	
Colour Material	
SW, HGR, TGR K	23.8000
Consisting of:	
3a 1 x SERVO-DRIVE cover cap left	
3b 1 x Cover cap right	
3c 2 x Branding element, embossed with Blum logo	
IN-G	
3d 2 x SERVO-DRIVE switch	
3e 6 x Blum distance bumper Ø 5 mm	
4 Front fixing bracket set	
Version	
Wooden fronts and wide	20S4200
🛍 Narrow aluminium frames	20S4200A
¹ Use 4 chipboard screws (609.1x00) per side for wooden fr Use 4 countersunk self-tapping screws (660.0950) per sid wide aluminium frames.	
Alternative to front fixing bracket set	
- Front fixing bracket	
Version	
Thin fronts 2 x	20S42T1

5	Cross stabiliser	
	Length (mm)	
	1076	22Q1076U
For cutting to siz	e	
Cutting	Internal cabinet width LW - 113 mm	

-						
			Connecting piece set for cross stabiliser			
C O OLAND			Recommended from an internal cabinet width ≧ 1190 mm or a cabinet width ≧ 1228 mm			
		addee	Material			
	~~{	3	Zinc		22Q080Z	
Co	onsis	ting of:				
2b	2 x	Cross s	tabiliser cover cap			
2c	2 x	Adapte	r for cross stabiliser	r rod		
-	1 x	Connec	ting piece for cross	sstabiliser		
-	1 x	Cross s	tabiliser fixing			
Cutting for 5 Internal cabinet width LW/2 - 105 mm						
101						
6			SERVO-DRIVE s	set		
			SERVO-DRIVE s	et Material		
		•			23.A000	
6		ting of:	Colour	Material	23.A000	
6 Co	onsis	•	Colour	Material	23.4000	
6 Co 6a	onsist 1 x	SERVO	Colour R7037	Material K	23.A000	
6 Co 6a 6b	onsisi 1 x 1 x	SERVO SERVO	Colour R7037 -DRIVE drive unit	Material K	23.A000	
6 Co 6a 6b 6c	onsisi 1 x 1 x	SERVO SERVO Connec	Colour R7037 -DRIVE drive unit -DRIVE distributior	Material K	23.A000	
6 Co 6a 6b 6c 6d Fo	onsis 1 x 1 x 1 x 2 x	SERVO SERVO Connec Cable e e lift mec	Colour R7037 -DRIVE drive unit -DRIVE distribution sting node end protector	Material K		
6 Co 6a 6b 6c 6d Fo	onsis 1 x 1 x 1 x 2 x r thre	SERVO SERVO Connec Cable e e lift mec	Colour R7037 -DRIVE drive unit -DRIVE distribution sting node end protector shanisms or more, w	Material K	chronised	

Optional

3c	Branding element				
(Librai)	Material	Col	our		
stattering a	К	SW-M, TGR	IN-G		
Printed *	2 x	ABD.1000.BL	ABD.1009.BL		
Embossed *	2 x	ABD.1000.BT	ABD.1009.BT		
Plain	2 x	ABD.1000	ABD.1009		
* With Blum logo					
From 1000 pcs:					
Customised, prin	Customised, printed branding element				
From 5000 pcs:					
Customised, emb	oossed branding eleme	nt			

Colours and material

Name	
SW	Silk white
HGR	Light grey
TGR	Dark grey
R7037	RAL 7037 dust grey
SW-M	Silk white matt
IN-G	In-mould brushed stainless steel
К	Nylon

blum

Planning



- KB Cabinet width
- KH Cabinet height
- LT Internal cabinet depth





SERVO-DRIVE

- X 38.5 mm
- Y 71 mm

Space requirement



Symmetrical aluminium frames



KB Cabinet width

- KH Cabinet height
- LT Internal cabinet depth

Fixing position for lift mechanism with pre-mounted system screws



SERVO-DRIVE

- X 38.5 mm
- Y 71 mm

Planning



Lever arm	a (mm)	b (mm)	c (mm)	Y (mm)	
22L3200	112	272.5	155.5	272.5	
22L3500	140.5	340	195	340	
22L3800	176	425	245	425	
22L3900	214.5	517	297.5	517	
Dimension (b) based on bottom gap (= 0 mm)					

Dimension (Y) based on top gap (= 0 mm)

KH Cabinet height

Front assembly



Lever arm	Z
22L3200	113 + FAo
22L3500	153 + FAo
22L3800	203 + FAo
22L3900	256 + FAo
FAo Upper front overlay	
FAu Bottom front overlay	
F Gap	
FH Front height	
KH Cabinet height	
SFA Side front overlay	



Top panel thickness (SOB)	X (mm)
16 mm	25
17 mm	26
18 mm	27
19 mm	28
20 mm	29



Space requirement – cornice | crown moulding

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Planning

Extra wide applications

Cross stabiliser from an internal cabinet width ≧ 1190 mm or a cabinet width ≧ 1228 mm







LW Internal cabinet width







Find more information on assembly and adjustment of AVENTOS HL top at

www.blum.com/hltopassembly

SERVO-DRIVE for AVENTOS HL top



SERVO-DRIVE switch



AVENTOS HK top

blum

Standard and SERVO-DRIVE



Ordering information

Note

Power factor (LF) =

cabinet height (KH) [mm] x front weight incl. double handle weight [kg]

We recommend the more powerful lift mechanism for applications in overlapping ranges. A trial application is recommended when you are in a borderline area of the individual lift mechanism.

The power factor (LF) can be increased by 50% if you use a third lift mechanism. We recommend a third lift mechanism for wide cabinets. This will prevent the front from sagging when open.

1		Lift mechanism set					
		Fixing with chipboa	Fixing with chipboard screws with positioning system				
E FO		LF	ow				
		420–1610	107°	22K2300			
		930–2800	107°	22K2500			
- 10		1730–5200	107°	22K2700			
		3200-9000	107°	22K2900			
Max. fro	ont weigh	t 18 kg if using two lif	t mechanisms.				
LF Po	ower facto	r					
OW O	pening an	gle (infinitely variable	e adjustment)				
Consis	ting of:						
1 2 x	Symme	Symmetrical lift mechanism					
	incl. positioning system						
- 8 x	Chipbo	Chipboard screws Ø 4 x 35 mm					

 Ideal for s 	mall applications in wall cabinets,
tall cabine	ets and over the refrigerator

- Cabinet height 205-600 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Harmonious quality of motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable adjustment of the lift mechanism
- No hinges required
- Integrated safety mechanism
- Integrated infinitely variable opening angle stop

1 [Lift mechanism set				
		Fixing with pre-mounted system screws				
	T.C.D.	LF	ow			
		420–1610	107°	22K2310		
		930–2800	107°	22K2510		
	19	1730–5200	107°	22K2710		
		3200-9000	107°	22K2910		
Max. front	weight	18 kg if using two lift	mechanisms.			
LF Powe	LF Power factor					
OW Open	OW Opening angle (infinitely variable adjustment)					
Consisting of:						
1 2 x S	symmetr	ical lift mechanism v	vith pre-mounted syst	em screws		

Lift machaniam

Standard and SERVO-DRIVE

Ordering information

ord	ierir	ig infor	mation				
2			Cover cap set			4	
	1		Colour	Material			
			SW, HGR, TGR	К	22K8000		
	-						
6	neie	ting of:				C	onsis
	1 x	Cover c	an left			4a	1 x
2b	1 x	Cover c				4b	1 x
 2c	2 x		g element, embossed with	n Blum logo		4c	1 x
	- ^	IN-G	g elellell, ell20000 ill.	. Diani logo			2 x
						Fo	or thre
2			Cover cap set for SER	O-DRIVE		un	nits
٦			Colour	Material		5	
	\geq		SW, HGR, TGR	К	23K8000	Se	ee pa
•	回凹. ·	N				Opt	iona
		ting of:				-	
2a 2b	1 x		-DRIVE cover cap left				-
2D 2C	1 x 2 x	Cover c		Dumlara			KBI
20	2 X	IN-G	g element, embossed with	г ышп юдо		Pr	inted
2d	2 x		-DRIVE switch			En	nbos
2u 2e	2 x		stance bumper Ø 5 mm			Pla	ain
20	2 ^	Diamai				* \	With
3			Front fixing bracket se	t		Fr	om 1
	Ą		Version			Сι	uston
			Wooden fronts and wide	1	20\$4200	Fr	om 5
			aluminium frames			Cı	uston
			Narrow aluminium frame		20S4200A		
		•	l screws (609.1x00) per sid ink self-tapping screws (60				ours
		luminium		50.0950) per sidi	6 101		ime
Alte	rnati	ve to fror	nt fixing bracket set			SM	
-			Front fixing bracket			HG	
	đ		Version			TG	
			Thin fronts	2 x	20S42T1		037
	4						V-M
EX		DO T suit	able for thin fronts – see p	age 54		IN-	G
			F	0		К	

4			SERVO-DRIVE set			
F			Colour	Material		
			R7037	К	23KA000	
Co	onsis	ting of:				
4a	1 x	SERVO-DRIVE drive unit				
4b	1 x	SERVO-DRIVE distribution cable, 1500 mm				
4c	1 x	Connecting node				
-	2 x	Cable end protector				
	For three lift mechanisms or more, we recommend two synchronised drive units					
5						
5			SERVO-DRIVE powers	supply unit and	accessories	
Se	See page 56					

al

-	Branding element			
(J-Jhrran)	Material		Colour	
Rolland	к		SW-M, TGR	IN-G
Printed *	2:	x	ABD.1000.BL	ABD.1009.BL
Embossed *	2:	x	ABD.1000.BT	ABD.1009.BT
Plain		x	ABD.1000	ABD.1009
* With Blum logo				
From 1000 pcs:				
Customised, printed branding element				
From 5000 pcs:				
Customised, embossed branding element				

and material

Name	
SW	Silk white
HGR	Light grey
TGR	Dark grey
R7037	RAL 7037 dust grey
SW-M	Silk white matt
IN-G	In-mould brushed stainless steel
К	Nylon

TIP-ON



- TIP-ON for handle-less stay lifts
- Cabinet height 205-600 mm
- Cabinet width up to 1800 mm
- For drilling or in combination with adapter plates

TIP-ON

Ordering information

Note

Power factor (LF) =

cabinet height (KH) [mm] x front weight incl. double handle weight [kg]

We recommend the more powerful lift mechanism for applications in overlapping ranges. A trial application is recommended when you are in a borderline area of the individual lift mechanism.

The power factor (LF) can be increased by 50% if you use a third lift mechanism. We recommend a third lift mechanism for wide cabinets. This will prevent the front from sagging when open.

1	Lift mechanism	Lift mechanism set for TIP-ON			
	Fixing with chipl	board screws with po	sitioning system		
TO TO L	LF	ow			
	420–1610	107°	22K2300T		
	930–2800	107°	22K2500T		
	1730–5200	100°	22K2700T		
	3200-9000	100°	22K2900T		
Max. front	weight 18 kg if using two	o lift mechanisms.			
LF Powe	er factor				
OW Oper	ing angle (infinitely varia	able adjustment)			
Consistin	g of:				
1 2 x S	symmetrical lift mechanis	sm			
ir	incl. positioning system				
- 8x C	hipboard screws Ø 4 x 3	35 mm			

1	Lift mechanism set for TIP-ON					
	Fixing with pre-mou	Fixing with pre-mounted system screws				
	LF	ow				
	420–1610	107°	22K2310T			
	930–2800	107°	22K2510T			
	1730–5200	100°	22K2710T			
	3200-9000	100°	22K2910T			
Max. front weight	Max. front weight 18 kg if using two lift mechanisms.					
LF Power facto	r					
OW Opening angle (infinitely variable adjustment)						
Consisting of:						

1 2 x Symmetrical lift mechanism with pre-mounted system screws

TIP-ON

Ordering information					
2			Cover cap set		
	T		Colour	Material	
	\geq		SW, HGR, TGR	К	22K8000
Co	nsis	ting of:			
-	1 x	Cover c	ap left		
2b	1 x	Cover c	ap right		
2c	2 x	Brandin	g element, embossed with	n Blum logo	
		IN-G			
3			Front fixing bracket se	t	
			Version		
			Wooden fronts and wide 20S420 aluminium frames		
		10	Narrow aluminium frame	20S4200A	
U	se 4 (l screws (609.1x00) per sid ink self-tapping screws (66 frames.		
Alte	rnati	ve to fror	it fixing bracket set		
-			Front fixing bracket		
	g		Version		
			Thin fronts	2 :	20S42T1
		•			
EX	EXPANDO T suitable for thin fronts – see page 54				
4			TIP-ON set		
			Colour	KH (mm)	
	-		SW, CS, R7036	Up to 600	
(~o	Version		

Optional

2c	Branding element				
(Alburni)	Material		Colour		
Relience	к		SW-M, TGR	IN-G	
Printed *	2 :	x	ABD.1000.BL	ABD.1009.BL	
Embossed * 2		x	ABD.1000.BT	ABD.1009.BT	
Plain 2 x		x	ABD.1000	ABD.1009	
* With Blum logo					
From 1000 pcs:					
Customised, prin	Customised, printed branding element				
From 5000 pcs:					
Customised, embossed branding element					

Colours and material

Name	
SW	Silk white
HGR	Light grey
TGR	Dark grey
R7036	RAL 7036 platinum grey
SW-M	Silk white matt
CS	Carbon black
NI-L	Nickel lacquered
IN-G	In-mould brushed stainless steel
К	Nylon

		TIP-ON set				
		Colour	KH (mm))		
		SW, CS, R7036	Up to 600			
		Version				
		Short version		956.1004		
KH Cabinet height						
Consisting of:						
1 x	TIP-ON					
1 x	Screw-on catch plate					
1 x	Chipboard screw 609.1500					
1 x	Glue-on catch plate					
	0nsis 1 x 1 x 1 x 1 x	I xTIP-ON1 xScrew-o1 xChipbox	Image: Colour SW, CS, R7036 Version Short version 1 Cabinet height <td co<="" th=""><th>Colour KH (mm) SW, CS, R7036 Up to 600 Version Short version 1 Cabinet height Short version 1 x TIP-ON 1 x Screw-on catch plate 1 x Chipboard screw 609.1500</th></td>	<th>Colour KH (mm) SW, CS, R7036 Up to 600 Version Short version 1 Cabinet height Short version 1 x TIP-ON 1 x Screw-on catch plate 1 x Chipboard screw 609.1500</th>	Colour KH (mm) SW, CS, R7036 Up to 600 Version Short version 1 Cabinet height Short version 1 x TIP-ON 1 x Screw-on catch plate 1 x Chipboard screw 609.1500	

Accessories

5	Adapter plate		
	Version	Colour	
000	Straight adapter plate – short version	SW, CS, R7036, NI-L	956.1201
66	Cruciform adapter plate – long version	R7036	956A1501
Standard, SERVO-DRIVE and TIP-ON

Planning



Space requirement



* Min. 261 mm with visible wall hanging bracket

Note: Cabinet height max. 600 mm

LH Internal cabinet height

Standard, SERVO-DRIVE and TIP-ON

Planning



Space requirement – cornice | crown moulding



Space requirement (mm)

At m	At max. opening angle						
Y = F	Y = FH x 0.29 + FD - SOB						
FD (mm) 16 19 22 26				26	28		
X (mm)		68	57	47	33	27	
SOB	SOB Top panel thickness						
FD	Front thickness						
FH	Front h	eight					





Narrow aluminium frames



For frame width 19 mm, an SFA of 11-18 mm is possible.

* When changing material thickness, adjust the assembly dimensions accordingly

SFA Side front overlay

Further planning information for TIP-ON - see page 52



Find more information on assembly and adjustment of AVENTOS HK top at

www.blum.com/hktopassembly

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SERVO-DRIVE for AVENTOS HK top

Planning



A trial application must be carried out when fixing to the front

* From cabinet bottom edge for fronts that protrude below



AVENTOS HK-S

blum

Standard and TIP-ON



- Ideal for small applications in wall cabinets, tall cabinets and over the refrigerator
- Cabinet height max. 600 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Harmonious quality of motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable adjustment of the lift mechanism
- No hinges required
- TIP-ON for handle-less stay lifts

Ordering information

Note

Power factor (LF) =

cabinet height (KH) [mm] x front weight incl. double handle weight [kg]

We recommend the more powerful lift mechanism for applications in overlapping ranges. A trial application is recommended when you are in a borderline area of the individual lift mechanism.

The power factor (LF) can be increased by 50% if you use a third lift mechanism.

1			Lift mechanism set					
T			LF	ow				
F			220–500	107° ¹	20K2B00.06			
F	J.	- All	400–1000	107°	20K2C00.06			
an a	9	5	960–2215	107°	20K2E00.06			
¹ C	ne lif	t mechan	ism is unsprung					
LF	Po	wer facto	r					
OV	V Op	ening an	gle					
Co	nsis	ting of:						
1a	2 x	Symmetrical lift mechanism						
1b	2 x	Cover cap left/right						
		SW, HGR, TGR						
1c	2 x	Branding element, embossed with Blum logo						
		IN-G						
-	6 x	Chipboa	ard screw Ø 4 x 35 mi	n				

1		Lift mechanism set for TIP-ON				
ſ		\square	LF	ow		
F			220–500	107° ¹	20K2B00T06	
F	Ŋ	- 39	400–1000	107°	20K2C00T06	
No.	5	.9	960–2215	107°	20K2E00T06	
¹ C	Dne lif	it mechan	iism is unsprung			
LF	Po	wer facto	r			
OV	N Op	pening an	gle			
Co	onsis	ting of:				
1a	2 x	Symmetrical lift mechanism				
1b	2 x	Cover cap left/right				
		SW, HGR, TGR				
1c	2 x	Branding element, embossed with Blum logo				
		IN-G				
-	6 x	Chipbo	ard screw Ø 4 x 35 m	m		

Ordering information

		Encode Contract Internet					
2		Front fixing bracket					
		Fixing method	Spacing (mm)				
		Screw-on 1	0	175H3100			
Î		EXPANDO	0	177H3100E			
		Knock-in	0	177H3100			
Woode	n fronts a	and wide aluminium fran	nes	2 x			
All horiz	contal stee	el mounting plates with 0 r	nm spacing poss	ible			
Use 2 d	•	d screws (609.1x00) per sid ink self-tapping screws (6 frames.					
- Front fixing bracket set							
1		Version					
1	and a	Narrow aluminium frame	20K4A00A02				
3		TIP-ON set					
3		TIP-ON set Colour	KH (mm)				
3	•		KH (mm) Up to 600				
3		Colour					
3		Colour SW, CS, R7036		956.1004			
	Libinet hei	Colour SW, CS, R7036 Version Short version		956.1004			
		Colour SW, CS, R7036 Version Short version		956.1004			
KH Ca		Colour SW, CS, R7036 Version Short version ght		956.1004			
KH Ca Consist 3a 1 x	ting of: TIP-ON Screw-o	Colour SW, CS, R7036 Version Short version ght		956.1004			
KH Ca Consist 3a 1 x	ting of: TIP-ON Screw-o Chipboa	Colour SW, CS, R7036 Version Short version ght		956.1004			

Optional

1c	Branding element					
(Libras)	Material	Col	our			
APPLIED N	К	SW-M, TGR	IN-G			
Printed *	2 x	ABD.1000.BL	ABD.1009.BL			
Embossed *	2 x	ABD.1000.BT	ABD.1009.BT			
Plain 2 x		ABD.1000	ABD.1009			
* With Blum logo						
From 1000 pcs:	From 1000 pcs:					
Customised, printed branding element						
From 5000 pcs:						
Customised, emb	oossed branding eleme	nt				

Colours and material

Name	
SW	Silk white
HGR	Light grey
TGR	Dark grey
R7036	RAL 7036 platinum grey
SW-M	Silk white matt
CS	Carbon black
NI-L	Nickel lacquered
IN-G	In-mould brushed stainless steel
К	Nylon

Accessories

4	Adapter plate				
	Version	Colour			
00	Straight adapter plate – short version	SW, CS, R7036, NI-L	956.1201		
66	Cruciform adapter plate – long version	R7036	956A1501		
-	Opening angle stop				
	Opening angle	Colour			
	100°	TGR	20K7A41		
^v	75°	R7037	20K7A11		

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Standard and TIP-ON

Planning





* Min. 240 mm with visible wall hanging bracket

Note: Cabinet height max. 600 mm

LH Internal cabinet height

Planning







- SOB Top panel thickness
- SFA Side front overlay
- F Gap

Space requirement – cornice | crown moulding



Opening ang	gle stop		Space req	uirement (m	m)
Unsprung			Y = FH x 0.29 - 15 + FD		
100°			Y = FH x 0.17 - 15 + FD		
75°			A = FH x 0.26 + 15 - FD		
FD (mm) 16 19		22	26	-	
X (mm) 70 59		49	35	-	
FD Front thickness					
FH Front height					



Narrow aluminium frames



For frame width 19 mm, an SFA of 11-18 mm is possible.

* When changing material thickness, adjust the assembly dimensions accordingly

SFA Side front overlay



Planning



Further planning information for TIP-ON – see page 52



Find more information on assembly and adjustment of AVENTOS HK-S at

www.blum.com/aventos-hks-assembly

AVENTOS HK-XS



blum

Standard and TIP-ON



Ordering information

Note

Power factor (LF) =

cabinet height (KH) [mm] x front weight incl. double handle weight [kg]

We recommend the more powerful lift mechanism for applications in overlapping ranges. A trial application is recommended when you are in a borderline area of the individual lift mechanism.

1	Lift mechanism				
A	LF	ow			
	200–1000	105°	20K1101		
	500-1500	105° ¹	20K1301		
	800-1800	105°	20K1501		
The power factor LF is doubled when used on two sides					
¹ For hinges with smaller opening angles, the opening angle will depend on the hinge used					
LF Power factor					
OW Opening a	angle				

1	Lift mechanism for TIP-ON				
	LF	ow			
	180-800	105°	20K1101T		
	500-1200	105° ¹	20K1301T		
	800–1600	105°	20K1501T		
The power factor LF is doubled when used on two sides					
¹ For hinges with smaller opening angles, the opening angle will depend on the hinge used					

LF Power factor

OW Opening angle

- Ideal for small applications in wall cabinets, tall cabinets and over the refrigerator
- Cabinet height 240-600 mm
- Internal cabinet depth min. 125 mm
- An internal cabinet depth of 100 mm or more is possible if you use a special drilling position
- Closes softly and effortlessly in conjunction with CLIP top BLUMOTION hinges
- TIP-ON for handle-less stay lifts with CLIP top unsprung hinges
- Light operating forces
- Harmonious quality of motion with a variable stop
- Simple, infinitely variable adjustment of the lift mechanism

Ordering information

2	Cabinet fixing		
	Fixing method		
	Screw-on		20K5101
S	EXPANDO		20K51E1
3	Front fixing bracke	et	
~	Version	Fixing method	
	Wooden fronts and wide aluminium frames	Screw-on ¹	20K4101
	Wooden fronts	den fronts EXPANDO	
	Narrow aluminium Screw-on frames		20K4101A
4	CLIP top BLUMOTI	ON 110° hinge	
	Boss	Spring	
100	INSERTA	With spring	71B3590
		1	71B3550

4 hinges with cabinet width KB 1200 mm and/or starting at power factor LF 2700

Alternative

CLIP top BLUMOTION hinges: 107°, profile/thick door, 95° aluminium frame door hinge or CLIP top hinges: 107°, profile/thick door, 95° aluminium frame door hinge in combination with BLUMOTION 973A – for clip on and/or CLIP hinges: 100°

4	CLIP top 110° hinge			
	Boss	Spring		
and the second second	INSERTA	Unsprung	70T3590.TL	
·	Screw-on 1	Unsprung	70T3550.TL	
		1 0		

3 hinges starting at cabinet width KB 900 mm and/or power factor LF 1800

4 hinges with cabinet width KB 1200 mm and/or starting at power factor LF 2700

Alternative

CLIP top hinges: 107°, profile/thick door, 95° aluminium frame door hinge and/or CLIP 100° (each hinge unsprung)

5	Mounting plate		
A Com	Fixing method	Spacing (mm)	
	Screw-on ¹	0	175H3100
~	EXPANDO	0	177H3100E

Standard mounting plates, spacing depends on the top gap

6			TIP-ON set						
			Colour	KH (mm)					
			SW, CS, R7036	Up to 600					
	1	A ()	Version						
Short version					956.1004				
KH	Cab	pinet hei	ght						
Cor	nsisti	ng of:							
6a	1 x	TIP-ON							
6b	1 x	Screw-o	w-on catch plate						
6c	1 x	Chipbo	pboard screw 609.1500						
-	1 x	Glue-or	alue-on catch plate						

Accessories

7	Adapter plate								
	Version								
	Straight adapter plate – short version	SW, CS, R7036, NI-L	956.1201						
	Cruciform adapter plate – long version	956A1501							
-	Opening angle stop								
	Opening angle	Colour							
N.	86°	S	70T3553						
Ear CLIP top PLI		110° hingo							

For CLIP top BLUMOTION 110° | CLIP top 110° hinge

Colours and material

Name	
SW	Silk white
S	Black
R7036	RAL 7036 platinum grey
CS	Carbon black
NI-L	Nickel lacquered

¹ Use 2 chipboard screws (609.1x00) per side for wooden fronts. Use 2 countersunk self-tapping screws (660.0950) per side for wide aluminium frames.

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Standard and TIP-ON

Planning



Space requirement



LH Internal cabinet height

- * Min. 200 mm with visible wall hanging bracket
- () Internal cabinet depth 100 mm



CLIP top BLUMOTION 110° hinge

Y = (FH - X) x 0.3								
FD (mm)	16	19	22	24				
X (mm)	45	34	23	15				
FD Front thickness								
FH Front height								

Planning

Front assembly





- FAo Upper front overlay
- SFA Side front overlay
- MD Mounting plate spacing
- K Cranking of hinge arm
 - Straight hinge arm 0 mm
- Cranked hinge arm 9.5 mm
- Double cranked arm 18 mm
- () Internal cabinet depth 100 mm

Space requirement – cornice | crown moulding



CLIP top BLUMOTION 110° hinge								
FD (mm)	16	19	22					
X (mm)	45	34	23					

FD Front height



Narrow aluminium frames



For frame width 19 mm, an SFA of 11-18 mm is possible.

* When changing material thickness, adjust the assembly dimensions accordingly

SFA Side front overlay

24

15

blum

Standard and TIP-ON

Planning





ž	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0										3	4	5	6	7
3							3	4	5	6	7			
6				3	4	5	6	7						
9	3	4	5	6	7									
MD	Mounting plate spacing (mm)													

MFu Minimum gap at the bottom 1.5 mm

Minimum gap F for fronts with a front radius (R = 1 mm) based on the factory setting													
		Front thickness FD (mm)											
	Drilling distance TB (mm)	16	18	19	20	21	22	23	24	25	26	28	30
	3	0.5	0.8	1.0	1.2	1.5	1.8	2.2	2.7	3.5	4.3	Δ	Δ
TD	4	0.5	0.8	1.0	1.2	1.4	1.7	2.0	2.5	3.1	3.8	Δ	Δ
	5	0.5	0.8	0.9	1.2	1.4	1.7	2.0	2.4	2.9	3.4	Δ	Δ
	6	0.5	0.8	0.9	1.2	1.3	1.6	1.9	2.3	2.7	3.2	Δ	Δ
	7	0.5	0.8	0.9	1.1	1.3	1.6	1.9	2.2	2.6	3.0	Δ	Δ
	△ A trial application is	For +2	2 mm he	eight ac	ljustme	ent, add	:						
	recommended	+0.2	+0.4	+0.4	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5	+0.5		

Screw-on assembly



INSERTA | knock-in assembly



Hinge boss dimensions



Further planning information for TIP-ON - see page 52



Find more information on assembly and adjustment of AVENTOS HK-XS at

www.blum.com/aventos-hkxs-assembly

TIP-ON

Planning







Installation dimensions for front gap



min. 2.6 mm with glue-on catch plate

() min. 3.1 mm with screw-on catch plate

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TIP-ON

Planning



FAu Bottom front overlay

EXPANDO T



EXPANDO T – pre-assembled fixing system

- Thin fronts of 8 mm or more
- Different front materials
- 3 different applications lift systems | hinge systems | box systems



Fixing positions as per the details in the respective planning information



- ES Min. 4 mm
- ES Max. drilling depth 0.5 mm
- * Stone and ceramic +0.2/-0.1 mm

Screws with M4 thread have to be used for EXPANDO T single

The lowest possible drilling depth should be selected for the single dowel depending on the screw length

Area of application and assembly recommendation

EXPANDO T is suitable for fixing Blum fittings to thin cabinet fronts of all types of materials. Front materials can be just 8 mm thick or more, provided they are sufficiently stable and strong.

Nm Minimum tightening torque

Limitation of liability

Blum accepts no liability for the use of EXPANDO T in combination with materials not listed or fittings from other manufacturers. It is recommended that assembly be carried out by an experienced furniture manufacturer.





Materials tested by Blum	Nm
Chipboard (transverse tensile strength > 0.4 N/mm ²)	1.5
MDF (transverse tensile strength > 0.6 N/mm ²)	1.5
HDF	2
HPL	2
Mineral composites	2
Granite stone – nero assoluto	3
Artificial stone – quartz composite	3
Ceramic panels	3



Find more information on assembly and adjustment of EXPANDO T at

www.blum.com/expando-t-9

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Assembly devices



SERVO-DRIVE power supply unit and accessories

SERVO-DRIVE for AVENTOS HF top, HS top, HL top



SERVO-DRIVE for AVENTOS HK top



SERVO-DRIVE power supply unit and accessories

Ordering information

1 SERVO-DRIVE power supply unit incl. flex							
		_ {					
			Q YA				
		310.15	NB .				
Markets	Language package		Markets	Language package			
E	Α	Z10NE04EA	I	Α	Z10NE04IA		
E	В	Z10NE04EB	к	I.	Z10NE04KI		
E	С	Z10NE04EC	N	н	Z10NE04NH		
E	D	Z10NE04ED	R	н	Z10NE04RH		
Е	E	Z10NE04EE	S	к	Z10NE04SK		
Е	F	Z10NE04EF	т	н	Z10NE04TH		
Е	I	Z10NE04EI	U G		Z10NE04UG		
в	Α	Z10NE04BA	U	J	Z10NE04UJ		
в	I	Z10NE04BI	z	I.	Z10NE04ZI		
н	I.	Z10NE04HI					
Incl. ope	rating and	installation instruct	ions				
Consist	ing of:						
1a 1 x	SERVO-D	RIVE power supply	/ unit				
1b 1 x	Flex						
2	1	Power supply unit	housing				
•		Panel fixing					
	Colour Material						
A.		WGR	к		Z10NG120		
For SERVO-DRIVE power supply unit							
Alternative to 1 2							

Alternative to 1 | 2

3 SERVO-DRIVE plug-in power supply unit									
Only su	Only suitable for one drive unit								
Markets	Markets Language package Markets Language package								
E	Α	ත Z10NA40EA	В	Α	ත Z10NA40BA				
E	В	ත Z10NA40EB	к	I	출 Z10NA40KI				
Е	С	ත Z10NA40EC	Ν	н	ත Z10NA40NH				
E	D	T Z10NA40ED	U	G	ත Z10NA40UG				
E	E	ය Z10NA40EE U J ය Z10NA40UJ							
Е	E F ଫ Z10NA40EF								
T Other	r combinati	ons available upon	request						

Consisting of:

3a 1 x SERVO-DRIVE plug-in power supply unit

3b 1 x Cable, 1120 mm

(with SERVO-DRIVE distribution cable extendible to max. 2000 mm)

Acc	esso	ries					
4			SERVO-DRIVE dis cable end protecto		ition cable and		
			Colour				
	Ø		S		8	Z10K800AE	
Co	onsis	ting of:					
4a	1 x	SERVO	-DRIVE distribution c	able			
4b	5 x	Cable e	nd protector				
Fo	r cutt	ing to size	e				
4							
4			Connecting node and cable end protector				
	- Sta		Colour		Material		
	A PO	300	S		К	Z10V100E.01	
Co	onsis	ting of:					
4a	4a 1 x Connecting node						
4b	4b 2 x Cable end protector						
-			Cable holder				
	18	١	Colour	Ma	iterial		

A company	Colour	Material		
	W	К	Z10K0009	
E.g. for fixing the SERVO-DRIVE distribution cable				

Markets and language packages

Name				
Markets Language packages*		nguage packages*		
Е	Europa	Α	DE, EN, FR, IT, NL	
в	UK	в	DA, EN, FI, NO, SV	
н	IN	С	EL, EN, HR, SR, SL, TR	
Т	IL	D	EN, ES, FR, IT, PT	
к	AU	Е	CS, HU, PL, SK	
Ν	CN	F	BG, ET, LV, LT, RO, RU, UK	
R	KR	G	EN, ES, FR	
s	BR	н	EN, ZH, KO	
т	TW	Т	EN	
U	US CA	J	JA	
z	ZA	к	EN, ES, PT	
* Language descriptions as per ISO-639				

Colours and material

Name	
WGR	White grey
S	Black
W	White
К	Nylon

SERVO-DRIVE power supply unit and accessories

Planning



Bac	k 00	hlin	~
Dau	A Ca		

Davk cabing						
				X (mm)	Y (mm)	
	AVENTOS HF top	Cabinet height KH (mm)	480–519	38.5	102	
			520-1200	38.5	124	
	AVENTOS HS top			38.5	45	
	AVENTOS HL top			38.5	71	

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SERVO-DRIVE power supply unit and accessories

Planning





Find more information on assembly and adjustment of SERVO-DRIVE for AVENTOS top at

www.blum.com/servodrive-aventos-assembly



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Julius Blum GmbH Furniture Fittings Mfg. 6973 Höchst, Austria Tel.: +43 5578 705-0 Fax: +43 5578 705-44 E-mail: info@blum.com www.blum.com

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