



# SERVO-DRIVE for AVENTOS HK top

Technical data sheet

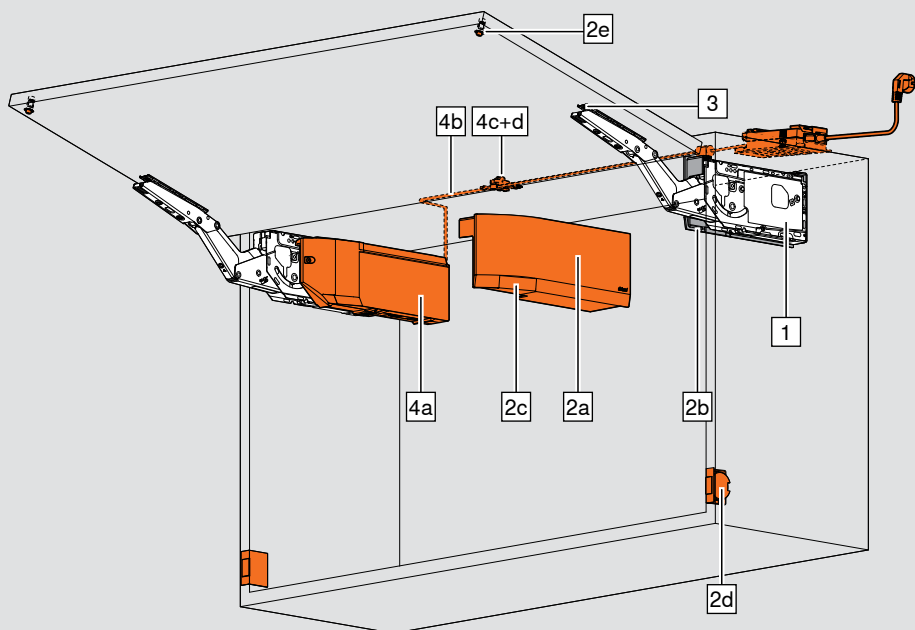
[www.blum.com](http://www.blum.com)

 **blum**®

## SERVO-DRIVE for AVENTOS HK top



## Order specification



Using the power factor, you can calculate the number of required lift mechanisms. The power factor required depends on the weight of the front (incl. double the handle weight) and cabinet height.

When using a third lift mechanism (a power factor increase of up to 50%), we recommend a trial application.

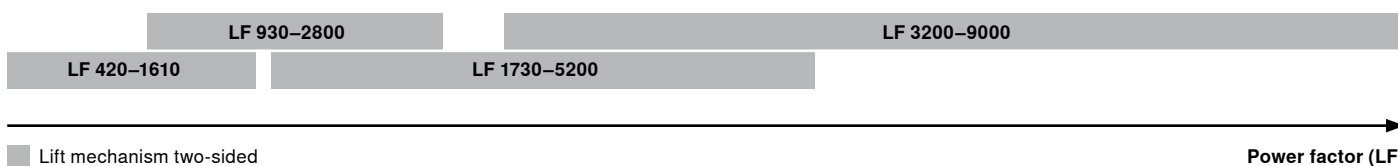
### Note

We recommend an additional 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.

- ☐ Standard
- ☒ SERVO-DRIVE



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



A trial application is recommended at the edge areas of the individual lift mechanisms.

## Order specification

## SERVO-DRIVE for AVENTOS HK top



### Order specification

	<b>1</b>	<b>Lift mechanism set</b>
Symmetrical with pre-mounted system screws		
<b>LF</b>	<b>OW</b>	
420–1610	107°	<b>22K2310</b>
930–2800	107°	<b>22K2510</b>
1730–5200	107°	<b>22K2710</b>
3200–9000	107°	<b>22K2910</b>
Max. front weight 18 kg for two lift mechanisms		

#### Alternative




	<b>1</b>	<b>Lift mechanism set</b>
Symmetrical with chipboard screws incl. positioning template		
<b>LF</b>	<b>OW</b>	
420–1610	107°	<b>22K2300</b>
930–2800	107°	<b>22K2500</b>
1730–5200	107°	<b>22K2700</b>
3200–9000	107°	<b>22K2900</b>
Max. front weight 18 kg for two lift mechanisms		

	<b>2</b>	<b>Cover cap set</b>
<b>Material</b>	<b>Colour</b>	
Plastic	HGR   SW   TGR	<b>22K8000.NA</b>
<b>Consisting of:</b>		
1 x large cover cap, left		
1 x large cover cap, right		
2 x small cover cap, stamped with Blum logo		

	<b>2</b>	<b>Cover cap set for SERVO-DRIVE</b>
<b>Material</b>	<b>Colour</b>	
Plastic	HGR   SW   TGR	<b>23K8000.NA</b>
<b>Consisting of:</b>		
2a   1 x SERVO-DRIVE large cover cap, left		
2b   1 x large cover cap, right		
2c   2 x small cover cap, stamped with Blum logo		
2d   2 x SERVO DRIVE switches		
2e   2 x Blum distance bumpers, Ø 5 mm		



	<b>3</b>	<b>Front fixing bracket set</b>
Symmetrical, nickel plated		
Wooden fronts and wide alu frames*		<b>20S4200</b>
Narrow alu frames		<b>20S4200A</b>
* Use 4 chipboard screws (609.1x00) per side for wooden fronts. Use 4 countersunk self-tapping screws (660.0950) per side for wide alu frames.		




#### Alternative

 	<b>Front fixing bracket</b>		
	Symmetrical, nickel plated		
	EXPANDO T	2 x	<b>20S42T1</b>
	EXPANDO T for thin fronts		

	<b>4</b>	<b>SERVO-DRIVE set</b>
<b>Material</b>	<b>Colour</b>	
Plastic	Dust grey	<b>23KA000</b>
<b>Consisting of:</b>		
4a   1 x drive unit		
4b   1 x distribution cable, 1500 mm		
4c   1 x connecting node		
4d   2 x cable end protectors		
We recommend two synchronised drive units for a power factor > 9000.		

#### Accessories

	Universal individual template	
		
		65.1051.02

 	<b>Marking template for AVENTOS HK top</b>
	
	<b>ZML.2200</b>

LF Power factor

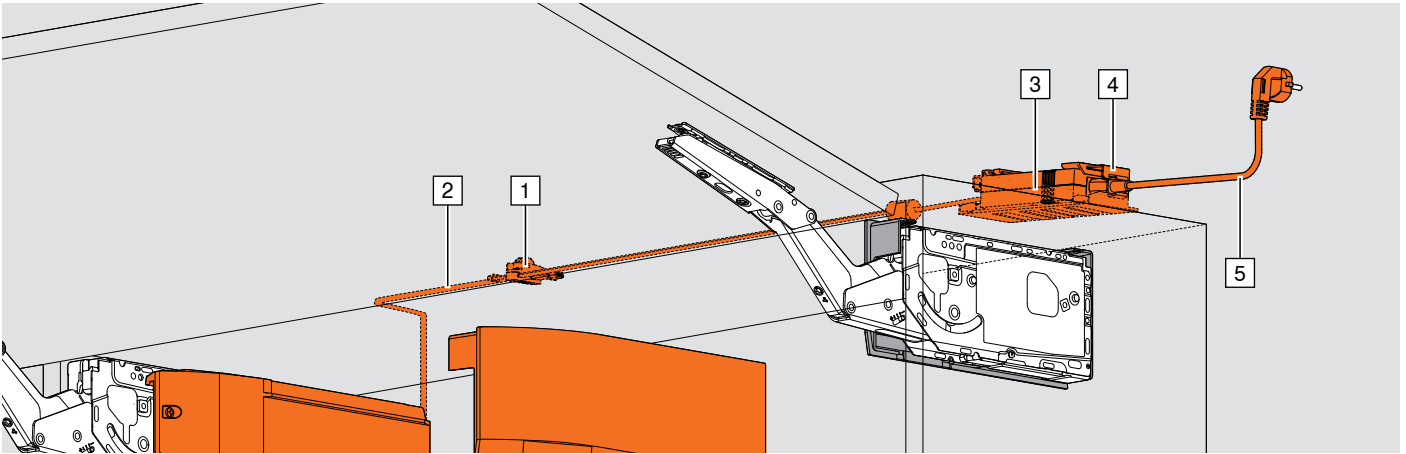
OW Opening angle (infinitely adjustable)

HGR | SW | TGR Light grey, silk white, dark grey

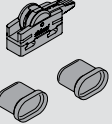
## SERVO-DRIVE for AVENTOS HK top

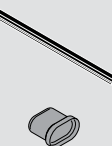


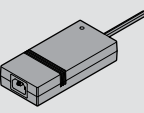
## SERVO-DRIVE for AVENTOS HK top Blum transformer and accessories




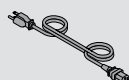
### Order specification

<b>1</b>	<b>Connecting node and cable end protector</b>
	<b>Consisting of:</b> 1 x connecting node 2 x cable end protectors
	<b>Z10V100E.01</b>

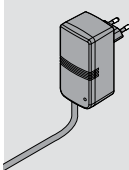
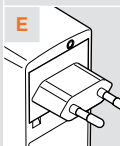
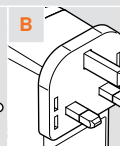
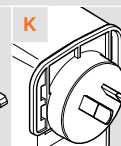
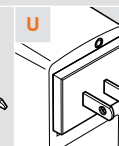
<b>2</b>	<b>Distribution cable and cable end protector</b>
	<b>Consisting of:</b> 1 x SERVO-DRIVE black electrical cable for cutting to size 5 x cable end protectors
	8 m <b>Z10K800AE</b>
	Can be used as a distribution cable and bracket profile cable

<b>3</b>	<b>24-Watt Blum transformer</b>
	Language descriptions as per ISO-639 DE, EN, FR, IT, NL <b>Z10NE030A</b> DA, EN, FI, NO, SV <b>Z10NE030B</b> EL, EN, HR, SL, SR, TR <b>Z10NE030C</b> EN, ES, FR, IT, PT <b>Z10NE030D</b> CS, HU, SK, PL <b>Z10NE030E</b> BG, ET, LT, LV, RO, RU <b>Z10NE030F</b> EN, ES, FR, (US, CA) <b>Z10NE030G</b> EN, ZH <b>Z10NE030H</b> Without flex Including instruction leaflet and installation instructions Only 1 Blum transformer permitted per distribution cable!


<b>4</b>	<b>Transformer unit housing</b>
	For panel fixing <b>Z10NG120</b>

	5	Flex			
	Market		Market		
	AR	Z10M200A	AU	Z10M200K	
	UK	Z10M200B	CL	Z10M200L	
	CH	Z10M200C	CN	Z10M200N	
	DK	Z10M200D	TW	Z10M200T	
	Europe	Z10M200E	US, CA	Z10M200U	
	IN	📞 Z10M200H	ZA	Z10M200Z	
	IL	Z10M200I	BR	📞 Z10M200S.01	
	JP	Z10M200J	Europe <sup>1</sup>	Z10M200E.OS	
	<sup>1</sup> Without plug				

### Alternative to 24-Watt Blum transformer and flex

	<b>12-Watt Blum plug-in transformer</b>			
	Including flex (1120 mm)			
	For single applications only			
	<b>Network adapter (x)*</b>			
				
	<b>Language packages (y)</b>			
	<b>A</b> DE, EN, FR, IT, NL	<b>E</b> CS, HU, SK, PL		
	<b>B</b> DA, EN, FI, NO, SV	<b>F</b> BG, ET, LT, LV, RO, RU		
	<b>C</b> EL, EN, HR, SL, SR, TR	<b>G</b> EN, ES, FR, (US, CA)		
	<b>D</b> EN, ES, FR, IT, PT	<b>H</b> EN, ZH		
	<b>Z10NA30xyF</b>			

\* Not permitted for more than one drive unit!

	<b>Cable holder</b>
	Using the cable holder, the distribution cable can easily be fixed to the cabinet, for example.
	<b>Z10K0009</b>

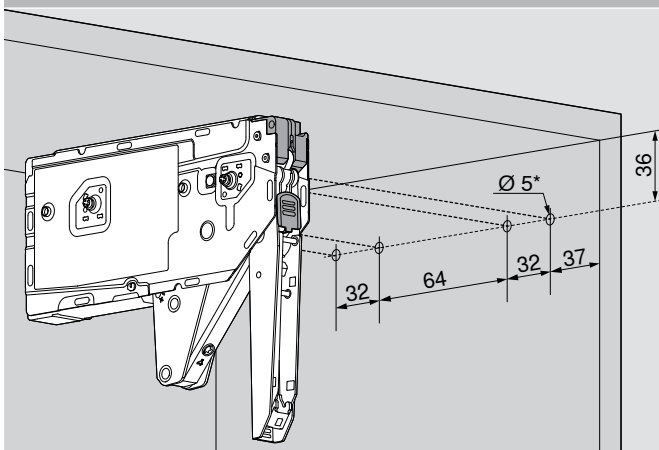
## Standard and SERVO-DRIVE for AVENTOS HK top

## SERVO-DRIVE for AVENTOS HK top



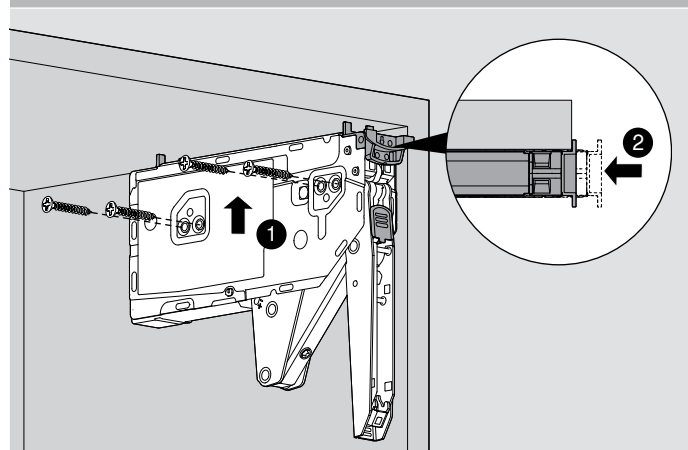
### Planning

□ Fixing positions for lift mechanism with pre-mounted system screws



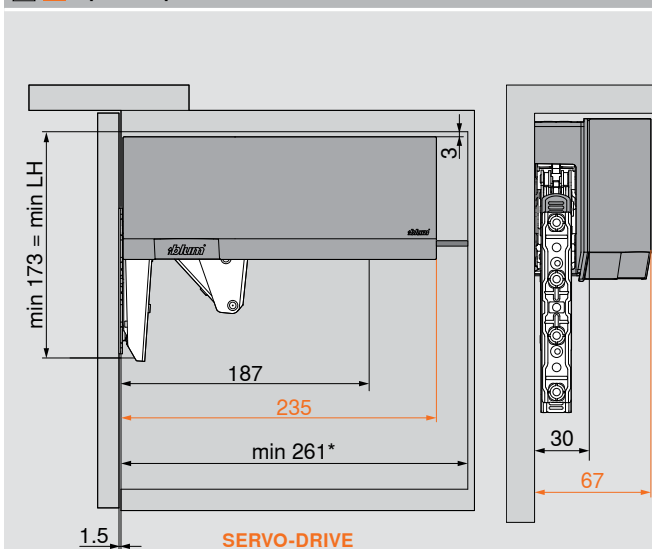
\* Drilling depth 11.5 mm

□ Fixing positions for lift mechanism with chipboard screws incl. positioning template



4 x Ø 4 x 35 mm

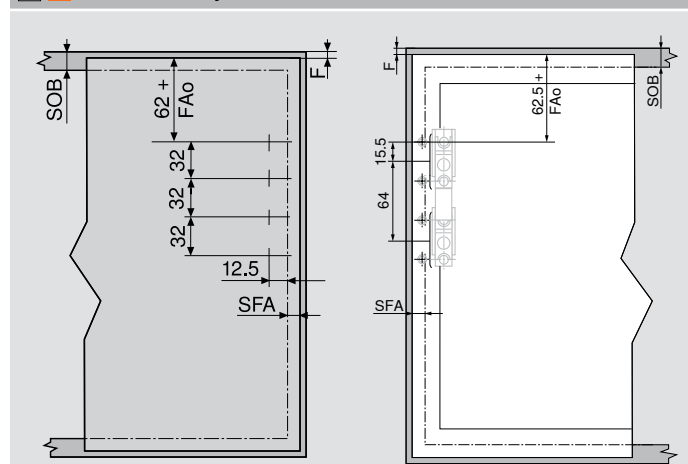
□ Space requirements in the cabinet



Note: Cabinet height max. 600 mm

\* min. 261 mm with visible wall hanging bracket

□ Front assembly



Wooden fronts and wide alu frames\*

Narrow alu frames\*

The upper front overlay (FAo) is no more than 25.4 mm

Wall application: Requires 5 mm minimum gap

\* Use 4 chipboard screws (609.1x00) for wooden fronts. Use 4 countersunk self-tapping screws (660.0950) for wide alu frames.

□ Standard  
 ■ SERVO-DRIVE

F Gap  
 FAo Upper front overlay  
 LH Internal cabinet height

SFA Front overlay of the side panel  
 SOB Top panel thickness

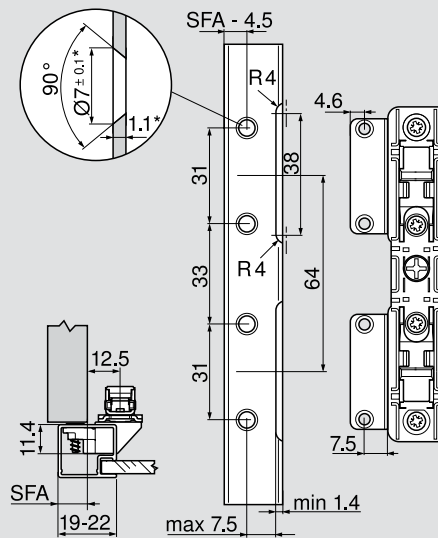
## SERVO-DRIVE for AVENTOS HK top



## Standard and SERVO-DRIVE for AVENTOS HK top

### Planning

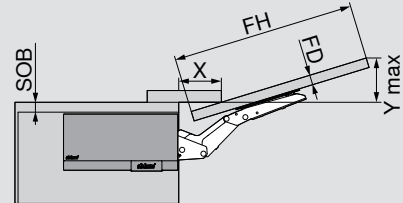
#### Planning for narrow alu frames



For frame width 19 mm: SFA of 11–18 mm possible

\* When changing material thickness, adjust the assembly dimensions accordingly

#### Cornice and crown moulding space requirement

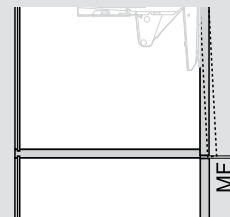


FD (mm)	16	19	22	26	28
X (mm)	68	57	47	33	27

Maximum top panel thickness 25.4 mm

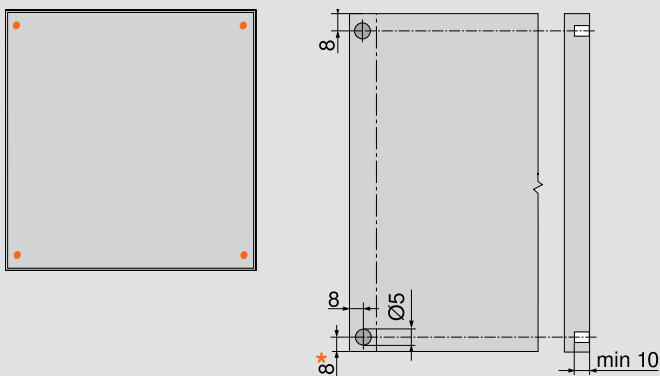
$$Y = FH \times 0.29 + FD - SOB$$

#### Minimum gap



The MF is 2 mm

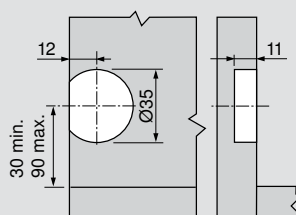
#### Blum distance bumper drilling position



Recommendation for aluminium frames: Provide drill hole for the Blum distance bumper in the cabinet side. A trial application must be carried out when fixing the Blum distance bumper to the front.

Do not glue Blum distance bumper.

#### SERVO-DRIVE switch



FD Front thickness  
FH Front height

MF Minimum gap for opening  
SFA Front overlay of the side panel

SOB Top panel thickness

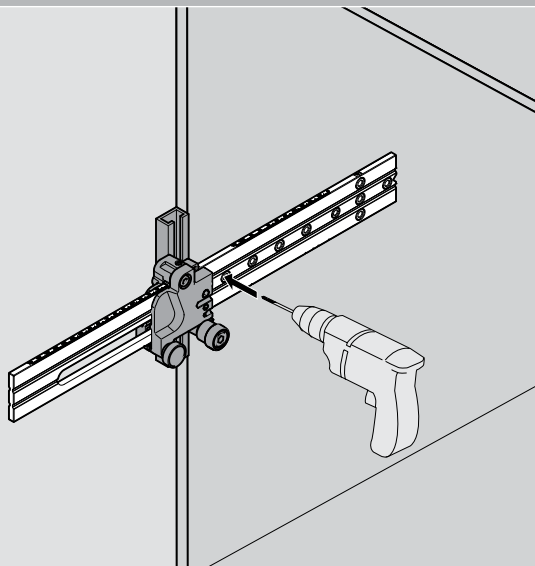
## Standard and SERVO-DRIVE for AVENTOS HK top

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### Planning

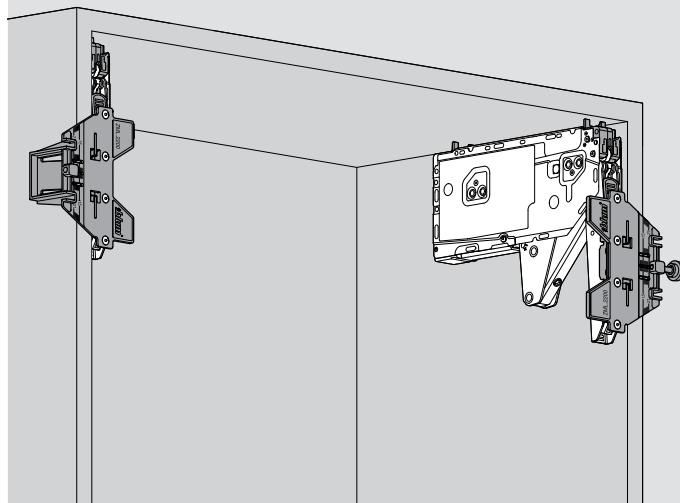
#### Cabinet assembly



Universal individual template  
can be used for all lift systems

65.1051.02

#### Front assembly template



Marking template for AVENTOS HK top  
for front fixing

ZML.2200

