

Delivering smoothness to lift ups



Wall cabinet fronts equipped with AVENTOS HL lift up parallel to the cabinet. The lift system is ideal for tall units or wall cabinets with cabinets positioned above them, for larder units and recessed cabinets, e.g. to conceal electrical appliances.

- Soft and effortless closing thanks to **BLUMOTION**
- Easy to open
- Holds in any position
- Provides excellent access to the cabinet interior
- Suitable for cabinets with cabinets above, as well as cornice and crown moulding
- Small range, huge application variety
- Easy assembly and adjustment
- Stability, even with wide fronts
- Excellent durability
- No protruding parts
- Optional: SERVO-DRIVE for AVENTOS, the electrical motion support system for wall cabinets

Ease of use and design options



Regardless of the weight and size, AVENTOS HL only requires light operating forces for easy opening and closing



Handle-less fronts can be opened and closed with ease with the SERVO-DRIVE electrical motion support system



AVENTOS HL allows you to conceal electrical appliances behind a continuous front



The cover cap is available in silk white, light grey and dark grey

Other advantages that will inspire both you and your customers



Excellent durability

The core element of the lift mechanism is a robust spring package. The result: excellent durability



No protruding parts

Removable lever arm – an advantage for furniture manufacturing and kitchen installation




Cornice and crown moulding


AVENTOS HL is suitable for cabinets with cabinets above, as well as those with cornice and crown moulding. Also in combination with narrow alu frames

Applications Web code Page

Standard | SERVO-DRIVE

 <p>Symbolic image</p>	Wooden fronts, wide and narrow alu frames	DQDB2M	38
---	---	--------	----


Accessories

 <p>Symbolic image</p>	Screws Centre bit Door buffer Screwdriver Cross slot bit	66 66 66 67 67
---	--	----------------------------

Assembly, removal and adjustment

 <p>Symbolic image</p>	Assembly, removal and adjustment Short URL www.blum.com/a130		Machine directive 701 Detailed information on the Machine Directive Short URL www.blum.com/sd/guideline
---	--	---	---

Pictograph

	Item available on request
---	---------------------------

Wooden fronts, wide and narrow alu frames

Web code

DQDB2M



- Well-suited to small fronts
- Cabinet height KH 300–580 mm
- Cabinet width KB up to 1800 mm
- Soft and effortless closing thanks to **BLUMOTION**
- Light operating forces
- Perfect motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable lift mechanism

Lift mechanism

In order to select the correct lift mechanism, it is necessary to determine both the cabinet height KH and the front weight FG (including the handle)

Example

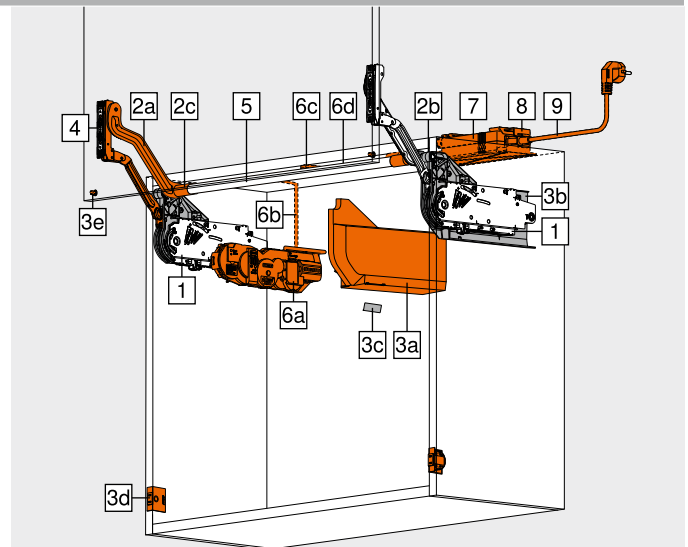
Cabinet height KH = 390 mm
 Front weight FG = 6 kg
 Lift mechanism selection = 20L2500.05
 Lever arm selection = 20L3500.06
 Lever arm for SERVO-DRIVE = 21L3500.01
 We recommend the more powerful lift mechanism for overlapping areas.

 Standard

 SERVO-DRIVE

Order information

1 <input type="checkbox"/> <input checked="" type="checkbox"/> Lift mechanism set					
Cabinet height KH (mm)					
300–349		350–399		400–550	450–580
Lever arm set					
<input type="checkbox"/> 20L3200.06		20L3500.06		20L3800.06	20L3900.06
<input checked="" type="checkbox"/> 21L3200.01		21L3500.01		21L3800.01	21L3900.01
Weight of front incl. handle (kg)	1.25–4.25		1.25–2.50		20L2100.05
	3.50–7.25		1.75–5.00		20L2300.05
	6.50–12.00		4.25–9.00		20L2500.05
	11.00–20.00		8.00–14.75		20L2700.05
	13.50–20.00		10.50–20.00		20L2900.05
Composed of:					
1 2 x Lift mechanism (symmetrical)					
- 10 x Chipboard screws Ø 4 x 35 mm					
2 <input type="checkbox"/> Lever arm set					
Cabinet height KH (mm)					
300–349		20L3200.06			
350–399		20L3500.06			
400–550		20L3800.06			
450–580		20L3900.06			
Composed of:					
2a 1 x Lever arm left					
2b 1 x Lever arm right					
2c 2 x Cross stabiliser cover cap oval					
3 <input type="checkbox"/> Cover cap set					
Colour		Material		Part no.	
SW HGR TGR		Nylon		20L8020	
Composed of:					
3a 1 x Cover cap left					
3b 1 x Cover cap right					
3c 2 x Branding element, stamped with Blum logo IN-G					
2 <input checked="" type="checkbox"/> Lever arm set for SERVO-DRIVE					
Cabinet height KH (mm)					
300–349		21L3200.01			
350–399		21L3500.01			
400–550		21L3800.01			
450–580		21L3900.01			
Composed of:					
2a 1 x SERVO-DRIVE lever arm left					
2b 1 x Lever arm right					
2c 2 x Cross stabiliser cover cap oval					
3 <input checked="" type="checkbox"/> Cover cap set for SERVO-DRIVE					
Colour		Material		Part no.	
SW HGR TGR		Nylon		21L8020	
Composed of:					
3a 1 x SERVO-DRIVE cover cap left					
3b 1 x Cover cap right					
3c 2 x Branding element, stamped with Blum logo IN-G					
3d 2 x SERVO-DRIVE switch					
3e 4 x Blum distance bumper, Ø 5 mm					



4 <input type="checkbox"/> <input checked="" type="checkbox"/> Front fixing bracket set			
Version			
Wooden fronts and wide alu frames		1	20S4200
Narrow alu frames			20S4200A
1 Use 4 chipboard screws (609.1x00) per side for wooden fronts			
1 Use 4 counter sunk self tapping screws (660.0950) per side for wide alu frames			

4 <input type="checkbox"/> <input checked="" type="checkbox"/> Front fixing bracket			
Version			
Thin fronts			20S42T1
EXPANDO T suitable for thin fronts – see reference pages			

5 <input type="checkbox"/> <input checked="" type="checkbox"/> Cross stabiliser rod oval			
Length (mm)		Version	Part no.
1061		Oval	20Q1061UA
For cutting to size			
Cutting			
<input type="checkbox"/> Internal cabinet width LW – 129 mm			
<input checked="" type="checkbox"/> Internal cabinet width LW – 164 mm			

- <input type="checkbox"/> <input checked="" type="checkbox"/> Connecting piece set for cross stabiliser			
Internal cabinet width LW 1190 mm and higher			
Diameter (mm)		Material	Part no.
Ø 16		Aluminium	20Q153ZA
Composed of:			
- 1 x Connecting piece			
- 1 x Fixing			
- 2 x Cross stabiliser cover cap			
Cutting for 5			
<input type="checkbox"/> Internal cabinet width LW / 2 – 147 mm			
<input checked="" type="checkbox"/> Internal cabinet width LW / 2 – 165 mm			

Wooden fronts, wide and narrow alu frames Web code
DQDB2M

Order information

6		SERVO-DRIVE set		
		Colour	Material	Part no.
		R7037	Nylon	Z1FA000
Composed of:				
6a	1 x Drive unit			
6b	1 x SERVO-DRIVE distribution cable, 1500 mm			
6c	1 x Connecting node			
6d	2 x Cable end protector			
We recommend one SERVO-DRIVE drive unit per set for connected fronts				

7		24 W SERVO-DRIVE power supply unit		
		Language package	Part no.	Language package
		A	Z10NE030A	F
		B	Z10NE030B	G
		C	Z10NE030C	H
		D	Z10NE030D	J
		E	Z10NE030E	
		F	Z10NE030F	
		G	Z10NE030G	
		H	Z10NE030H	
		J	Z10NE030J	
Incl. operating and installation instructions Without flex				
Language package – operating and installation instructions				
A	DE EN FR IT NL		F BG ET LT LV RO RU	
B	DA EN FI NO SV		G EN ES FR	
C	EL EN HR SL SR TR		H EN ZH	
D	EN ES FR IT PT		J JA	
E	CS HU PL SK			
Language descriptions as per ISO-639				

8		Power supply unit housing		
		Colour	Material	Part no.
		WGR	Nylon	Z10NG120
For 24 W SERVO-DRIVE power supply unit				

9		Flex		
		Market	Part no.	Market
		AR	Z10M200A	JP
		UK	Z10M200B	AU
		CH	Z10M200C	CL
		DK	Z10M200D	CN
		Europe	Z10M200E	BR
		Europe ¹	Z10M200E.OS	TW
		IN	Z10M200H	US CA
		IL	Z10M200I	ZA
			Z10M200J	
			Z10M200K	
			Z10M200L	
			Z10M200N	
			Z10M200S.01	
			Z10M200T	
			Z10M200U	
			Z10M200Z	
Length 2 m, incl. plug ¹ Without plug				

Alternative to 7 | 8 | 9

12 W SERVO-DRIVE plug-in power supply unit
Only suitable for one drive unit

		Network adapter	Language package	Part no.	Network adapter	Language package	Part no.
		E	A	Z10NA30EAF	E	F	Z10NA30EFF
		E	B	Z10NA30EBF	B	A	Z10NA30BAF
		E	C	Z10NA30ECF	K	D	Z10NA30KDF
		E	D	Z10NA30EDF	U	G	Z10NA30UGF
		E	E	Z10NA30EEF			
Network adapter ¹							



Composed of:

- 1 x 12 W SERVO-DRIVE plug-in power supply unit
Incl. cable, 1120 mm (with SERVO-DRIVE distribution cable extendible to max. 2000 mm)

Other combinations available upon request
¹ See the Information chapter for a detailed market list

Accessories

–		SERVO-DRIVE distribution cable and cable end protector		
		Colour	Length (m)	Part no.
		S	8	Z10K800AE
Composed of:				
6b	1 x SERVO-DRIVE distribution cable			
6d	5 x Cable end protector			
For cutting to size Can be used as a SERVO-DRIVE distribution cable				

–		Connecting node and cable end protector		
		Colour	Material	Part no.
		S	Nylon	Z10V100E.01
Composed of:				
6c	1 x Connecting node			
6d	2 x Cable end protector			
Tool-free assembly				

–		Cable holder		
		Colour	Material	Part no.
		W	Nylon	Z10K0009
E.g. for fixing the SERVO-DRIVE distribution cable				
Colour		Colour		
HGR	Light grey	WGR	White grey	
SW	Silk white	S	Black	
TGR	Dark grey	W	White	
R7037	RAL 7037 dust grey	IN-G	In-mould brushed stainless steel	

Reference pages

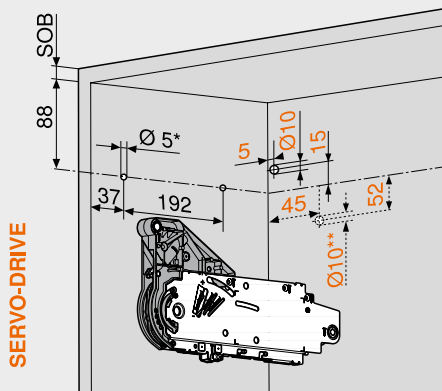
Overview – AVENTOS HL	37	Planning – Blum distance bumper	41	Assembly, removal and adjustment	
Fixing system for thin fronts – EXPANDO T	584	SERVO-DRIVE switch	41		
Assembly recommendation and limitation of liability – EXPANDO T	585	SERVO-DRIVE uno – market list	718	Short URL	
		Overview – assembly devices	591		
Accessories – general	66	Reference values for front weight FG (kg)	704		
Planning	40	Machine directive	701		
		More technical details	698		

Wooden fronts, wide and narrow alu frames

Web code
DQDB2M

Planning

Drilling position



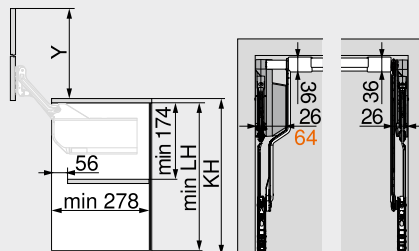
5 x chipboard screws Ø 4 x 35 mm
Drilling for SERVO-DRIVE distribution cable, left only

SOB Top panel thickness

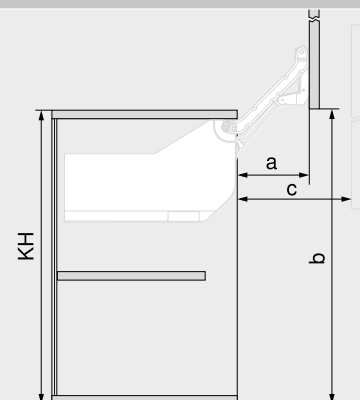
* Drilling depth 5 mm

** Alternative drilling

Space requirement



SERVO-DRIVE



Lever arm set		LH min.	Y (mm) ¹
Standard	SERVO-DRIVE	(mm) ¹	
20L3200.06	21L3200.01	262.0	264.0
20L3500.06	21L3500.01	312.0	352.0
20L3800.06	21L3800.01	362.0	440.0
20L3900.06	21L3900.01	412.0	529.0

¹ Dimensions based on lower gap F = 0 mm

LH Internal cabinet height

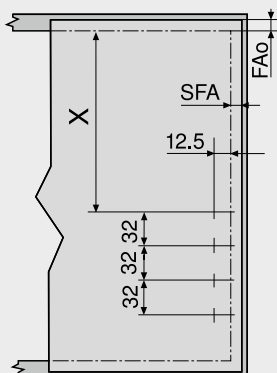
KH Cabinet height

Lever arm set		a (mm)	b (mm) ¹	c max. (mm)
Standard	SERVO-DRIVE			
20L3200.06	21L3200.01	114.0	257.0	159.0
20L3500.06	21L3500.01	146.0	345.0	209.0
20L3800.06	21L3800.01	178.0	433.0	259.0
20L3900.06	21L3900.01	210.0	522.0	309.5

¹ Dimensions based on lower gap F = 0 mm

KH Cabinet height

Front assembly – wooden fronts and wide alu frames



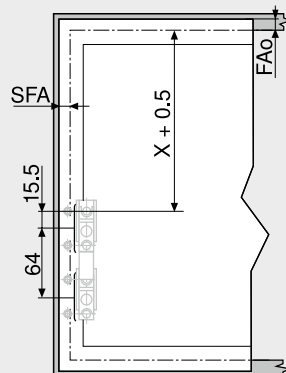
Lever arm set		X (mm)
Standard	SERVO-DRIVE	
20L3200.06	21L3200.01	153
20L3500.06	21L3500.01	203
20L3800.06	21L3800.01	253
20L3900.06	21L3900.01	303

FAo Upper front overlay

SFA Front overlay of the side panel

Wall application: min. gap required 5 mm

Front assembly – narrow alu frames



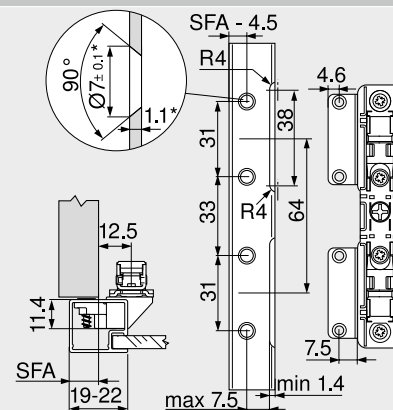
Lever arm set		X (mm)
Standard	SERVO-DRIVE	
20L3200.06	21L3200.01	153
20L3500.06	21L3500.01	203
20L3800.06	21L3800.01	253
20L3900.06	21L3900.01	303

FAo Upper front overlay

SFA Front overlay of the side panel

Wall application: min. gap required 5 mm

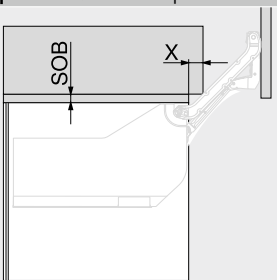
Narrow alu frames



For frame width 19 mm, a side front overlay SFA of 11–18 mm is possible

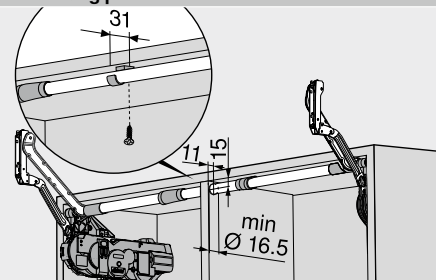
* When changing material thickness, adjust the assembly dimensions accordingly

Space requirement – cornice | crown



Top panel thickness SOB (mm)	X (mm)
16	28
18	30
19	31

Connecting piece

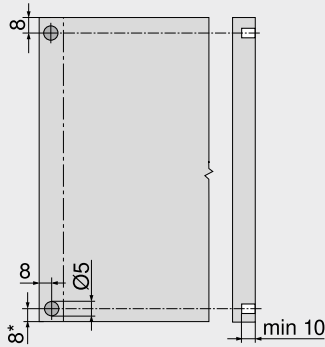
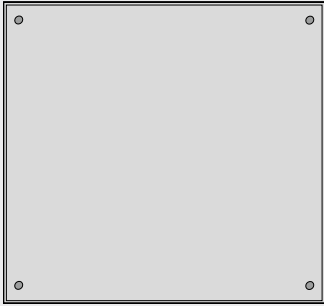


Wooden fronts, wide and narrow alu frames

Web code
DQDB2M

Planning

Blum distance bumper (SERVO-DRIVE application only)



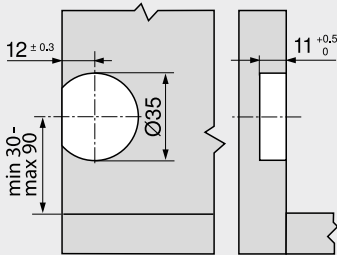
Insert Blum distance bumper (do not glue)

Recommendation for aluminium frames

Take into account drilling for 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

SERVO-DRIVE switch



Reference pages

Overview – AVENTOS HL	37	Assembly, removal and adjustment
Ordering information – wooden fronts, wide and narrow alu frames	38	
Overview – assembly devices	591	Short URL
Machine directive	701	www.blum.com/a130
More technical details	698	

