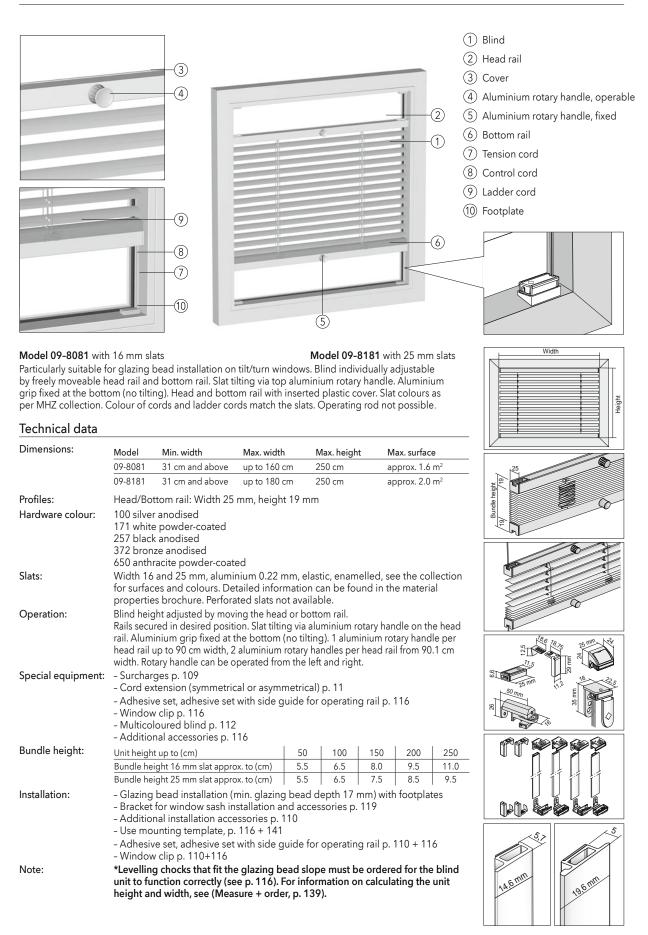
♦ MHZ



Technical information

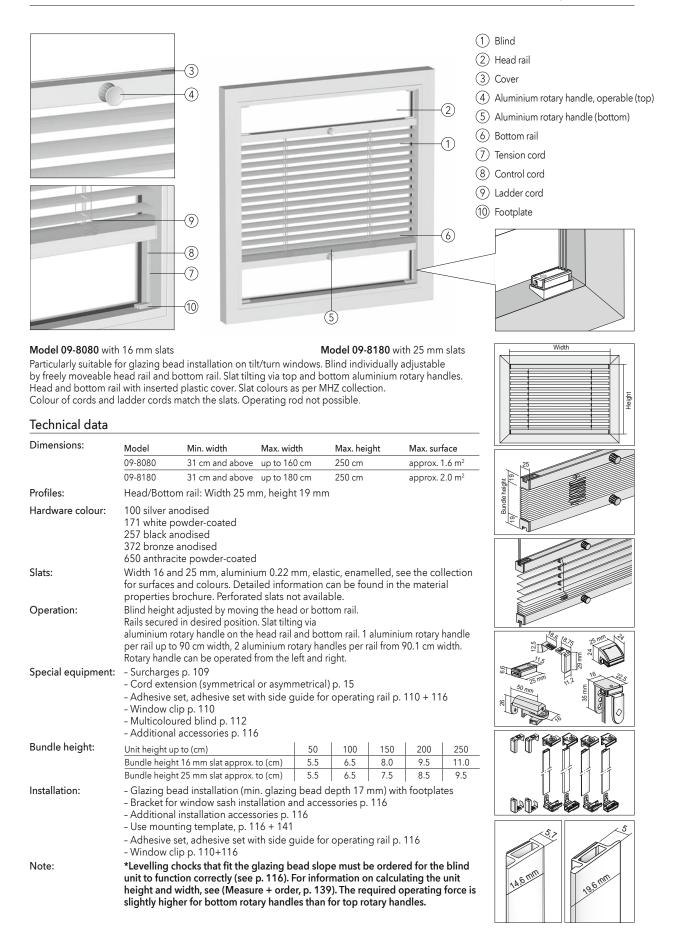


Models 09-8081, 09-8181



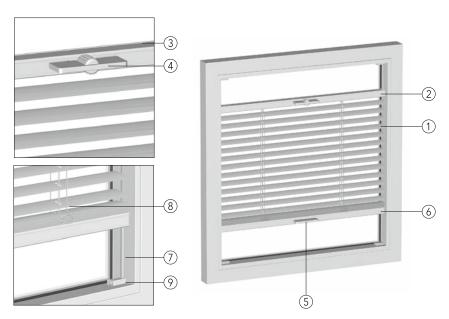


Models 09-8080, 09-8180



♦ MHZ

Models 09-7070, 09-7170 incl. aluminium grip



- 1 Blind
- (2) Head rail
- 3 Cover
- (4) Aluminium operating handle with rotary wheel (slat tilting)
- 5 Aluminium operating handle

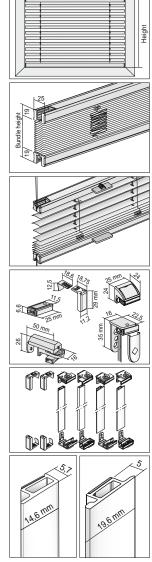
Width

- 6 Bottom rail
- (7) Tension cord
- 8 Ladder cord
- 9 Footplate

Model 09-7070 with 16 mm slatsModel 09-7170 with 25 mm slatsParticularly suitable for glazing bead installation for tilt/turn windows. Blind individually adjustable by
freely moveable head rail and bottom rail. Slat tilting by means of rotary wheel in the operating handle.
With aluminium grip. Head and bottom rail with inserted plastic cover.
Slat colours as per MHZ collection. Colour of cords and ladder cords match the slats.
Operating rod not possible.

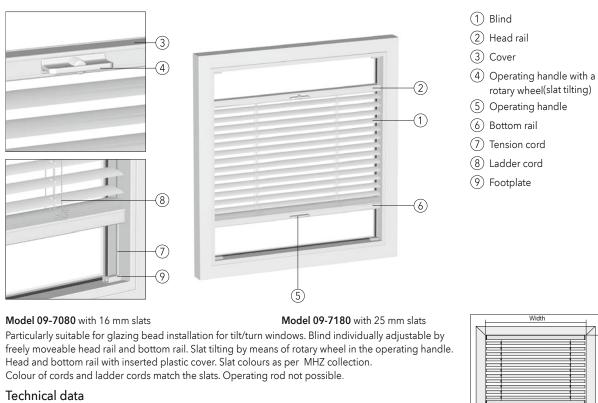
Technical data

Dimensions:	Model	Min. width	Max. wid	th	Max. hei	ght	Max. sur	face
	09-7070	29 cm and above	up to 150) cm	250 cm	-	approx.	1.6 m ²
	09-7170	29 cm and above	up to 150) cm	250 cm		approx.	2.0 m ²
Profiles:	Head/Botto	m rail: Width 25 m	m, height	: 19 mm				
Hardware colour:	257 black ar 372 bronze	owder-coated nodised						
Slats:	for surfaces	d 25 mm, aluminiu and colours. Detai prochure. Perforate	led inforr	nation o	an be fo	-		
Operation:	position. Sla 1 operating	adjusted by movin t tilting via rotary v handle per rail up tary wheel can be o	vheel in tl to 90 cm	he oper width; 2	ating har 2 operati	idle at th ng hand	e head r	ail.
Special equipment:	- Cord exter - Multicolou - Surcharges - Additional	nsion (symmetrical red blind p. 112 s P. 110 accessories p. 116 ret, adhesive set wi	or asymn	netrical)	p. 19	-	110 + 11	6
Bundle height:	Unit height up	o to (cm)		50	100	150	200	250
		t 16 mm slat approx.		5.5	6.5	8.0	9.5	11.0
	Bundle heigh	t 25 mm slat approx.	to (cm)	5.5	6.5	7.5	8.5	9.5
Installation:	- Bracket for - Additional - Use levellin - Use mount	ad installation (min window sash insta installation access ng chocks that fit th ting template P. 11 set, adhesive set wi	allation ar ories p. 1 ne glazing 6	nd acces 16 g bead s	ssories p. slope, p.	116 116		tes

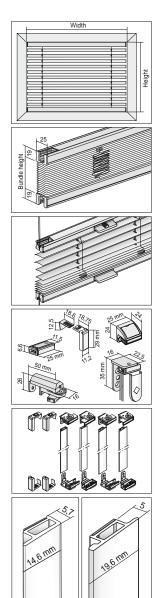




Models 09-7080, 09-7180



	09-7080	29 cm and above	up to 15	0 cm	250 cm		approx.	1.6 m ²	
	09-7180	29 cm and above	up to 15	0 cm	250 cm		approx.	2.0 m ²	
Profiles:	Head/Botto	om rail: Width 25 m	m, heigh	t 19 mm					
Hardware colour:	257 black a 372 bronze	oowder-coated nodised							
Slats:	Width 16 and for surfaces	nd 25 mm, aluminiu and colours. Detai brochure. Perforate	ım 0.22 r led infor	mation c	an be fou				
Operation:	Blind heigh position. Sl 1 operating	it adjusted by movin at tilting via rotary v handle per rail up otary wheel can be o	ng the he vheel in t to 90 cm	ead or bo he oper width; 2	ottom rail ating han 2 operatir	idle at th ng handl	e head r	ail.	
Special equipment:									
Bundle height:	Unit height u	p to (cm)		50	100	150	200	250	
		nt 16 mm slat approx.	to (cm)	5.5	6.5	8.0	9.5	11.0	
	Bundle heigł	nt 25 mm slat approx.	to (cm)	5.5	6.5	7.5	8.5	9.5	
Installation:	- Bracket fo - Additiona	ead installation (min r window sash insta l installation access	allation a ories p. 1	nd acces 116	sories p.	116	n footpla [.]	tes	
	- Use mour	ing chocks that fit th iting template P. 11 set, adhesive set wi ilip p. 116	6				116		



Technical information

Dimensions:

Model

Min. width

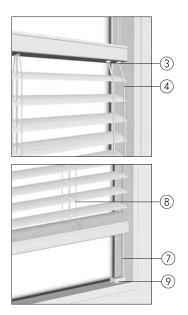
Max. width

Max. height

Max. surface



Models 09-7081, 09-7181





- 1 Blind
- Head rail
- 3 Cord exit
- (4) Cord (slat tilting)
- (5) Operating handle
- 6 Bottom rail
- (7) Tension cord
- (8) Ladder cord
- (9) Footplate
- (10) Tangle-free tassel

Model 09-7081 with 16 mm slats

Model

09-7081

09-7181

or right.

Cord (cm)

Special equipment: - Aluminium grip

Unit height (cm)

Operation length

- Multicoloured blind p. 112 - Surcharges P. 110

- Window clip p. 116

Unit height up to (cm)

- Window clip p. 116

- Additional accessories p. 116

Bundle height 16 mm slat approx. to (cm)

Bundle height 25 mm slat approx. to (cm)

- Use mounting template P. 116

unit to function correctly (see p. 116).

- Additional installation accessories p. 116

100 silver anodised

257 black anodised

Min. width

650 anthracite powder-coated

33.6 cm and above

33.6 cm and above

Head/Bottom rail: Width 25 mm, height 19 mm

properties brochure. Perforated slats not available.

50-75

50

- Cord extension (symmetrical or asymmetrical) p. 23

Other operation lengths available on request at extra cost

75

- Adhesive set, adhesive set with side guide for operating rail p. 110 + 116

- Glazing bead installation (min. glazing bead depth 17 mm) with footplates

*Levelling chocks that fit the glazing bead slope must be ordered for the blind

- Bracket for window sash installation and accessories p. 116

- Use levelling chocks that fit the glazing bead slope, p. 116

- Adhesive set, adhesive set with side guide for operating rail p. 116

50

5.5

5.5

Technical data

Hardware colour:

Profiles:

Slats:

Operation:

Bundle heights:

Installation:

Model 09-7181 with 25 mm slats

Max. surface

approx. 1.6 m²

approx. 2.0 m²

Max. height

75-100 | 100-125 | 125-150 | 150-175 | 175-200 | 200-250

125

100

6.5

6.5

150

150

8.0

7.5

175

200

9.5

8.5

200

250

11.0

9.5

250 cm

250 cm

171 white powder-coated

372 bronze anodised

Particularly suitable for glazing bead installation for tilt/turn windows. Blind individually adjustable by freely moveable head rail and bottom rail. Operating rod not possible. Slat tilting via cord. Head and bottom rail with inserted plastic cover. Slat colours as per MHZ collection. Colour of cords and ladder cords match the slats. Tangle-free tassel p. 137.

Max, width

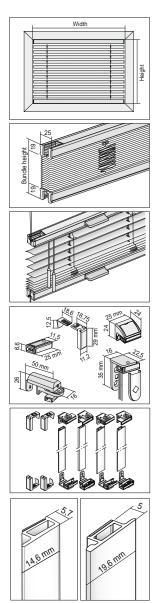
up to 150 cm

up to 150 cm

Width 16 and 25 mm, aluminium 0.22 mm, elastic, enamelled, see the collection for surfaces and colours. Detailed information can be found in the material

Blind height adjusted by moving the head or bottom rail. Rails secured in desired position. 1 operating handle per rail up to 90 cm width; 2 operating handles per rail from 90.1 cm. Slat tilting via cord at the head rail, can be operated from left

100

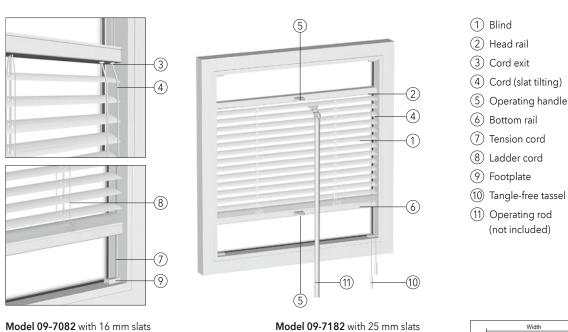


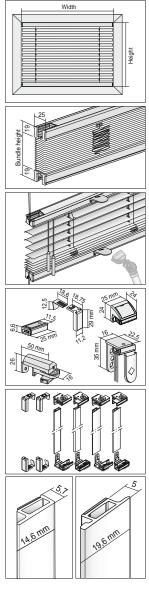
126

Note:



Models 09-7082, 09-7182





Model 09-7182 with 25 mm slats

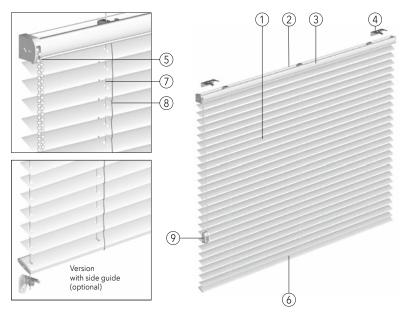
Particularly suitable for glazing bead installation on tilt/turn windows. Model suitable for hard-to-reach units. Individually adjustable due to moving head and bottom rail; optional operating rod. Slat tilting via cord. Head rail and bottom rail each with inserted plastic cover. Slat colours as per MHZ collection. Cords and ladder cords colour-matched to slats. Tangle-free tassel p. 137.

Technical data

Dimensions:	Model	Min. widtl	٦	Max. w	vidth	Max. he	ight	Max. sur	face			
	09-7082	33.6 cm a	nd above	up to 1	50 cm	250 cm		approx.	1.6 m ²			
	09-7182	33.6 cm a	nd above	up to 1	50 cm	250 cm		approx.	2.0 m²			
Profiles:	Head/Bo	ttom rail: V	/idth 25 ı	mm, heig	ht 19 mr	n						
Hardware colour:	257 black	r anodised c anodised racite powe	der-coate	ed		e powde nze anodi						
Slats:	for surfac	and 25 mr es and col s brochure	ours. Det	ailed info	ormation	can be fo						
Operation:	rail. Rails width; 2 d	Blind height is adjusted by using the operating rod to move the head or rail. Rails secured in desired position. 1 operating handle per rail up to 9 width; 2 operating handles per rail from 90.1 cm. Slat tilting via cord at t ead rail, can be operated from left or right.										
	Unit heigh	t (cm)	50-75	75-100	100-125	125-150	150-175	175-200	200-250			
	Operation Cord (cm)	length	50	75	100	125	150	175	200			
	Other opera	r operation lengths available on request at extra cost										
Special equipment:	- Cord ex - Multicol - Surchar - Addition - Adhesiv	ng rod with tension (sy loured blin ges P. 110 nal accesso re set, adhe r clip p. 11	mmetrica d p. 112 pries p. 1 esive set	al or asyr 16	nmetrica	l) p. 23			6			
Bundle heights:	Unit heigh	t up to (cm)			50	100	150	200	250			
		ight 16 mm			5.5	6.5	8.0	9.5	11.0			
	Bundle he	ight 25 mm	slat appro	x. to (cm)	5.5	6.5	7.5	8.5	9.5			
Installation:	 Glazing bead installation (min. glazing bead depth 17 mm) with footplates Bracket for window sash installation and accessories p. 116 Additional installation accessories p. 116 Use levelling chocks that fit the glazing bead slope, p. 116 Use mounting template P. 116 Adhesive set, adhesive set with side guide for operating rail p. 116 Window clip p. 116 											
Note:	*Levelling chocks that fit the glazing bead slope must be ordered for the blind unit to function correctly (see p. 116).											

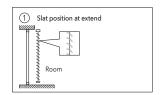


Models 09-1067, 09-1167, 09-4467, 09-1267





- (2) Head rail
- (3) Slat in the head rail
- (4) Tension lever bracket
- 5 Operating chain
- (6) Bottom rail
- (7) Lifting cord
- 8 Ladder cord
- (9) Tensioners safety system



Model 09-1067 with 16 mm slats Model 09-1167 with 25 mm slats $Model \, 09-4467 \star$ with 25 mm slats, invisible punched hole $Model \, 09-1267$ with 35 mm slats

Lateral gear with chain operation, chain exit at front. Extruded aluminium head rail with an inserted, colour matching 25 mm front slat. Blind width corresponds to upper rail including gear. Lower rail made of extruded aluminium with slat in colour of the blind inserted underneath. Slat colours as per MHZ collection. Colour of cords and ladder cords match the slats. For safety tensioner installation see p. 137.

Technical data

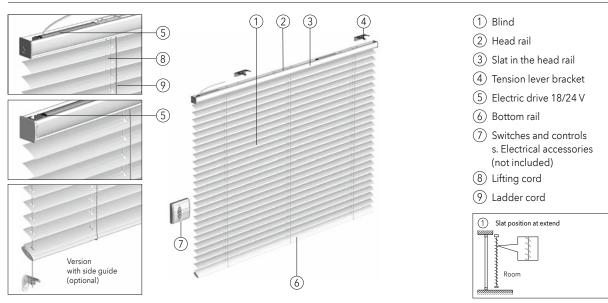
Dimensions:	Model	Min. width	Max. wid	th	Ma	x. heigl	ht	Max	. surfac	e		Width
	09-1067	54 cm and above	up to 27) cm	360) cm		8	m ²			
	09-1167	54 cm and above	up to 39) cm	360) cm		8	m ²			
	09-4467*	54 cm and above	up to 39) cm	360) cm		8	m ²			
	09-1267	54 cm and above	up to 450) cm	360) cm		8	m ²			
rofiles:	Bottom rail	Vidth 29 mm, heigh for 16 mm slats: W 25 + 35 mm slats: V	idth 21 m		5							
ardware colour:	100 silver a 257 black a		hite powe hthracite			ted					50 mm	6
ats:	collection f	25 and 35 mm, alum or surfaces and colo Il properties brochu	ours. Det		'							
Operation:	in position tensioner. Note: Oper	ering and tilting via automatically. Oper ration length from 5 ation length from 1	ration sid	e left o 50 cm	or righ in 10	t. Cha cm ste	in sec ps,			ty	Bundle height	9 9
	Other operatio	ne exact or next smaller op in lengths available on rec ears 3:1 for larger u	quest at extr	a cost.	P. 26-	35.					Bundle	
oecial equipment:	- Side guid - Multicolor - Surcharge - Additiona	in chrome-plated (r e, steel wire ø 1 mn ured blind p. 112 es p. 109 Il accessories p. 115 punched hole p. 1	n, plastic			locati	ons)					60 m
undle heights:	Unit height	up to (cm)		50	100	150	200	250	300	350		
	Bundle heig	, ht 16 mm slat approx	. to (cm)	5.0	6.0	7.5	9.0	10.5	12.0	13.5		
		ght 25 mm slat approx		5.0	6.0	7.0	7.5	8.5	9.5	10.5		
		ght 25 mm slat approx e punched holes	. to (cm)	6.0	8.0	10.0	11.0	12.0	13.0	14.0		
		ht 35 mm slat approx	. to (cm)	5.0	6.0	7.5	8.5	9.5	10.5	11.5		
nstallation:	- Additiona	ceiling installation v I installation access	ories p. 1		er bra	ckets						

- Bracket quantity table p. 117



Venetian blinds | Electric drive 18/24 V

Models 09-1065, 09-1165, 09-4465, 09-1265



Model 09-1065 with 16 mm slats Model 09-1165 with 25 mm slats Model 09-4465* with 25 mm slats, invisible punched hole Model 09-1265 with 35 mm slats

Electric drive 18/24 V in the head rail, at the side or in the centre (centre with 24 V only), with automatic end position switch-off. Models are suitable for damp locations (DIN EN 13120, appendix A.2b). Single or group operation. Extruded aluminium head rail with an inserted, colour matching 25 mm front slat. Extruded aluminium bottom rail with slat in the blind colour inserted underneath. Slat colours as per MHZ collection. Colour of cords and ladder cords match the slats.

Technical data

Dimensions:	Model		Min. width	Max. widtł	۱	Max	. heigh	t	Max.	surface	9	Width
	09-1065	18 V	61 cm and above	up to 270	cm	360	cm		5	m²		
		24 V	78 cm and above	up to 270	cm	360	cm		9	m ²		
	09-1165,	18 V	61 cm and above	up to 380	cm	360	cm		5	m²		
	09-4465*	24 V	78 cm and above	up to 380	cm	360	cm		9	m²		I I I I I I I I I I I I I I I I I I I
	09-1265	18 V	61 cm and above	up to 450	cm	360	cm		5	m²		
		24 V	78 cm and above	up to 450	cm	360	cm		9	m ²		
Profiles:	Bottom rail fo	or 16	9 mm, height 29 mm slats: Width 2 5 mm slats: Width	21 mm, he								
Hardware colour:	100 silver and 257 black and					ited						
Slats:			35 mm, aluminiur plours. Detailed in									
Operation:	Various contr 18 V smart ho	rol op ome-o	nd tilting via elect tions due to swite compatible. For e essories Price List	ch, radio re lectrical ac	emote	contr	ol, sun	contr	ol or ti	mer.		29 50 50 50 50 50 50 50 50 50 50 50 50 50
Special equipment:	- Multicolour - Surcharges - Additional a	ed bl p. 10 acces ounch	9 sories p. 115 ed hole p. 113	stic coatec	ł							
Bundle	Unit height up	o to (ci	m)		50	100	150	200	250	300	350	
heights:	Bundle height	t 16 m	m slat approx. to (c	m)	5.0	6.0	7.5	9.0	10.5	11.5	13.5	
	Bundle height	t 25 m	m slat approx. to (c	m)	5.0	6.5	7.5	8.5	9.5	11.0	12.0	
	_punched hole	es	m slat approx. to (c		6.0	7.0	8.0	9.0	10.0	11.0	12.0	
	invisible punc	hed h			6.0	8.0	10.0	11.0	12.0	13.0	14.0	Setting button 18 V
	Bundle height	t 35 m	m slat approx. to (c	m)	5.0	6.0	7.5	8.5	9.5	10.5	11.5	
Installation:		0	installation with te		er bra	ckets						

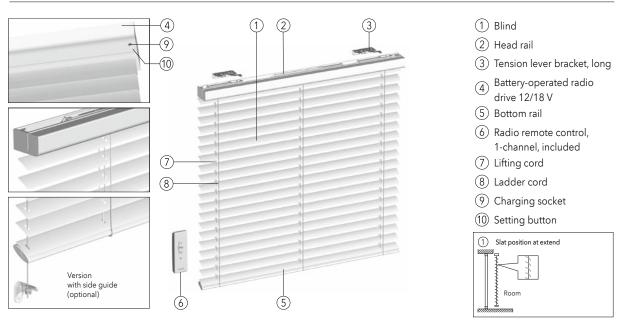
- Additional installation accessories p. 117

- Bracket quantity table p. 117

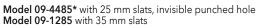


Venetian blinds | Battery-operated radio drive 12/18 V

Models 09-1085, 09-1185, 09-4485, 09-1285



Model 09-1085 with 16 mm slats Model 09-1185 with 25 mm slats



Battery-operated radio drive 12 V in the centre/18 V at the side in the head rail, with integrated radio receiver and automatic end position switch-off. Battery mounted at the front. Models are suitable for damp locations (DIN EN 13120, appendix A.2b). Head rail made of extruded aluminium. Bottom rail made of extruded aluminium. Slat colours as per MHZ collection. Colour of cords and ladder cords match the slats.

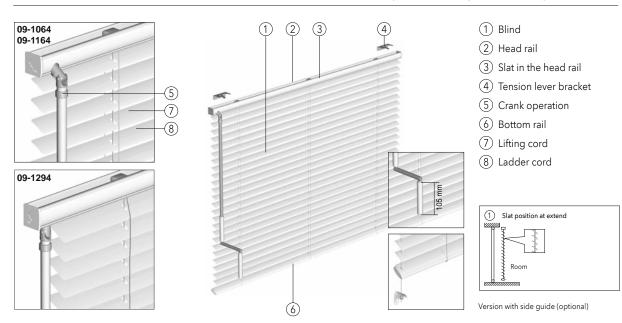
Technical data

Dimensions:	Model		Min. width	Max. widt	h	Max.	height		Max. s	urface	Γ	width of b	lind
	09-1085	12 V	61 cm and above	up to 270	cm	360 c	m		5 n	n²	_		_
		18 V	61 cm and above	up to 270	cm	360 c	m		5 n	n²	_		
	09-1185	12 V	61 cm and above	up to 380	cm	360 c	m		5 n	n²	_		
		18 V	61 cm and above	up to 380	cm	360 c	m		5 n	n²	_		
	09-4485*	12 V	61 cm and above	up to 380	cm	360 c	m		5 n	n²	_		
		18 V	61 cm and above	up to 380	cm	360 c	m		5 n	n²			-
	09-1285	12 V	61 cm and above	up to 450	cm	360 c	m		5 n	n²	_ [-
		18 V	61 cm and above	up to 450	cm	360 c	m		5 n	n²	_		
Hardware colour:	100 silver 171 white			57 black a 50 anthra			oated				4		
Slats:		es and	d 35 mm, aluminiu colours. Detailed		-						20		
Operation:	radio remo delivery. V	ote con arious c	ing via radio drive htrol (included). No control options by ra essories and contro	synchron adio remot	ous run e contro	ning! (1. 18 V	Charge smart	er not in home-	nclude compa	d in atible.	a ackage height		
Special equipment:	- Multicolo - Surcharg - Addition - * Invisible	oured b es p. 1(al acces e punct	el wire ø 1 mm, plas lind p. 112 09 ssories p. 116 hed hole p. 113 d radio drive 18 V	tic coated							ű		
Bundle	Unit heigh	' It up to i	(cm)	50	100	150	200	250	300	350			j
neights:			mm slat approx. to (6.0	7.5	9.0	10.5	11.5	13.5			
		<u> </u>	mm slat approx. to (6.5	7.5	8.5	9.5	11.0	12.0			
	Bundle he with puncl	ight 25 hed hol	mm slat approx. to (es	(cm) 6.0	7.0	8.0	9.0	10.0	11.0	12.0			
	with invisi	ble pun	mm slat approx. to (ched holes	6.0	8.0	10.0	11.0	12.0	13.0	14.0			
	Bundle he	ight 35	mm slat approx. to (cm) 5.0	6.0	8.5	8.5	9.5	10.5	11.5			
Installation:	- Addition	al instal	installation with te llation accessories / table p. 117		r bracke	ets							

heigth of blind



Models 09-1064, 09-1164, 09-4464, 09-1294



Model 09-1064 with 16 mm slats Model 09-1164 with 25 mm slats

 $Model \ 09-4464*$ with 25 mm slats, invisible punched holes $Model \ 09-1294$ with 35 mm slats

Crank gear in the upper rail, crank exit at front in case of Model 09-1064, 09-1164, blind width corresponds to upper rail including gear. In model 09-1294, the crank exit is vertical at the side hence the head rail is 4.5 cm wider than the blind. Extruded aluminium head rail with an inserted, colour matching 25 mm front slat. Lower rail made of extruded aluminium with slat in colour of the blind inserted underneath. Slat colours as per MHZ collection. Colour of cords and ladder cords match the slats.

Technical data

Dimensions:	Model	Min. w	vidth		Max. wi	dth	Ma	x. heig	ht	Max	. surfac	e	Models 09-1064,09-1164
	09-1064	45 cm	and ab	ove	up to 28	30 cm	360) cm		9	m ²		Width
	09-1164	45 cm	and abo	ove	up to 38	30 cm	360) cm		9	m ²		
	09-4464*	63.5 c	m and a	bove	up to 38	30 cm	360) cm		9	m ²		
	09-1294	40 cm	and ab	ove	up to 45	50 cm	360) cm		9	m ²		
Profiles:	Head rail: Bottom rai Bottom rai	il for 16 il 25 + 3	mm sla 5 mm s	ats: Wio slats: V	dth 21 n Vidth 30	nm, he mm, ł	neight	10 mr					Model 09-1294
Hardware colour:		00 silver anodised 171 white powder-coated 57 black anodised 650 anthracite powder-coated Vidth 16, 25 and 35 mm, aluminium 0.22 mm, elastic, enamelled, see the											Width
Slats:	Width 16, collection material p	for surfa	aces an	d colo								9	
Operation:	automatica	fting, lowering and tilting via crank operation. Blind secured in position itomatically. Operation side left or right. In model 09-1294 , the crank exit at the side hence the head rail is 4.5 cm wider than the blind.											
	Unit height	(cm)	50-75	75-100	100-125	125-15	0 150-1	75 175-	200 200)-250 25	50-300	> 300	H S S
	Operation (cm)	ength**	50	75	100	125	150) 17	5 2	00	250	300	Bundle height
Special equipment:	 Side guid Multicolo Surcharge Additiona * Invisible 	ured blir es p. 109 Il access	nd p. 11 o ories p.	2 116	lastic co	ated							Models 09-1064, M 09-1164
Bundle heights:	Unit height	t up to (c	m)			50	100	150	200	250	300	350	
	Bundle hei	ght 16 m	ım slat a	pprox.	to (cm)	5.0	6.0	7.5	8.0	10.0	11.0	13.0	
	Bundle hei	ght 25 m	ım slat a	pprox.	to (cm)	5.0	6.0	7.0	7.5	8.5	9.0	10.0	
	Bundle hei with invisib				to (cm)	6.0	8.0	10.0	11.0	12.0	13.0	14.0	
	Bundle hei	ght 35 m	ım slat a	pprox.	to (cm)	5.0	6.0	7.5	8.5	9.0	10.0	11.5	60 mm
Installation:	- Wall and - Additiona - Bracket q - ** extenc	l installa uantity ta	ition ace able p.	cessori 117			er bra	ckets					

Technical information

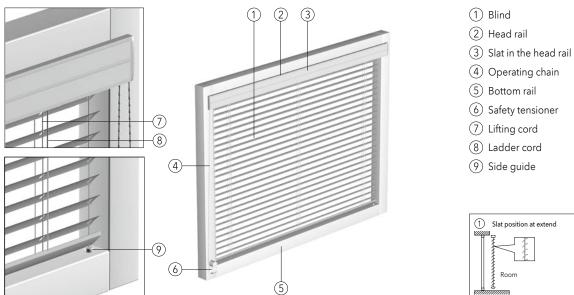
Height

Height

Model 09-1294



Models 09-1055, 09-1056, 09-1155, 09-1156



Slat position at extend

Model 09-1055 with 16 mm slats for angled glazing bead Model 09-1155 with 25 mm slats for angled glazing bead

Model 09-1056 with 16 mm slats for angled glazing bead Model 09-1156 with 25 mm slats for angled glazing bead

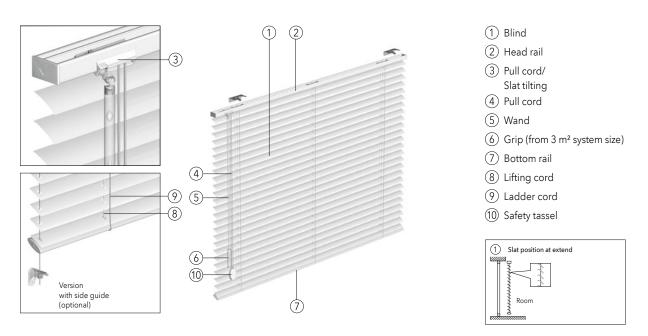
Specific to front mounting on the window sash of tilt/turn windows. L-shaped upper rail made of extruded aluminium, with 25 mm slats in the colour of the blind inserted at the front side; hardware and blind in the glazing rebate, directly in front of the pane. Chain operation, chain exit in front of the window frame. Standard equipment with side guide (nylon cord ø 0.6 mm). Lower rail made of extruded aluminium with slat in colour of the blind inserted underneath. Slat colours as per MHZ collection. Colour of cords and ladder cords match the slats. For safety tensioner installation see P. 137.

Technical data

Dimensions:	Model	Min. width	Max. width	Max. height	Max. surface	Width
	09-1055, 09-1056	50 cm and above	up to 250 cm	360 cm	4 m ²	
	09-1155, 09-1156	50 cm and above	up to 250 cm	360 cm	4 m ²	Height
Profiles:		idth 29 mm, heigh				Ŷ
		e: Width 10 mm, h	5			
		For 16 mm slats: V		0		
		For 25 mm slats: V		0		
Hardware colour:		nodised 171 whit nodised 650 anth				54,5 mm
Slats:		d 25 mm, aluminiu				Bundle height
Sidts.		ection for surfaces				and
		ial properties broc				₽T @
Operation:	Lifting, lowe	ring and tilting via	operating chair	n (transparent). I	Blind secured in	
	position aut	omatically. Operat	ion side left or r	ight. Chain secu	ired by chain	
	retainer.					
		ation length from 5				24,51
		tion length from 1		in 25 cm steps		
		e exact or next smaller op lengths available on rec				
Special equipment:	Use of plane	tary gear 3:1 for la	rger unit dimens	ions, see highlig	hted section on	
	p. 71-75.			0.0		
	- Multicolou	red blind p. 112				* can be shortened to 31 mm on request.
	- Surcharges					
B U U U U		accessories p. 115				
Bundle heights:	Unit height up		50	100 150 200		
		t 16 mm slat approx.		8.5 10.0 11.		
	0	t 25 mm slat approx.		8.5 9.5 10.		
Installation:		ation, directly on th		0 0	ad depths of less	884
	than 22 mm	, use 5 mm distanc	e plate (installa	tion kit), p. 118.		



Models 09-1091, 09-1191, 09-4491, 09-1291



Model 09-1091 with 16 mm slats Model 09-1191 with 25 mm slats Model 09-4491* with 25 mm slats, invisible punched holes Model 09-1291 with 35 mm slats

Slat tilting with wand, opening and the closing of the blind with pull cord. Pull cord exit and wand at the front. Flat, extruded aluminium head and bottom rail. Bottom rail with an inserted, colour matching slat. Slat colours as per MHZ collection. Colour of cords and ladder cords match the slats. With safety tassel and cord cleat P. 137.

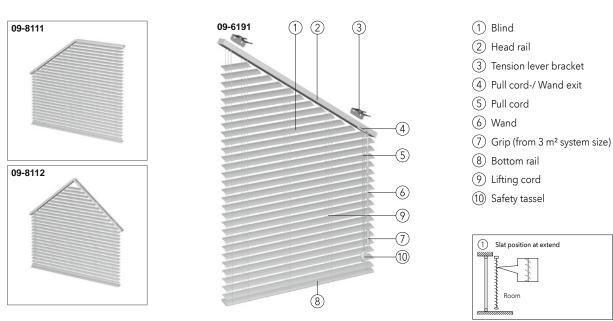
Technical data

Dimensions:	Model	Min	. width	Max	. width	Max.	height	M	ax. surfa	ace			Widt
	09-1091	33 c	m and abo	ve up to	o 180 cm	300 (ap	prox. 5	m ²	_		
	09-1191		m and abo			300 (-	ар	prox. 5	m ²	_		
	09-4491*		m and abo			300 (prox. 5		_		
	09-1291		m and abo			300 (cm	ар	prox. 5	m ²			
Profiles:	Head rail: Wic		. 0										
	Bottom rail for	r 16 mm	slats: Wie	dth 21 r	nm, heig	ht 8.5 n	nm						η
	Bottom rail 25	5 + 35 m	m slats: V	/idth 30) mm, he	ght 10	mm						
Hardware	100 silver ano	dised	171 white	powde	er-coated								
olour:	257 black and	odised	650 anthr	acite p	owder-co	ated							27
1					22	1						16 16	
Slats:	Width 16, 25 a											lle he	
	for surfaces ar		irs. Detaile	ed intoi	rmation c	an be f	ouna in	the m	aterial	prope	ertles	Bundle height	
	brochure.												
Operation:	Blind is lifted a							,				27	mm 38 . 39 .
	Slat tilting with									unit s	urface	9	mm 38 39
	without handl	e eleme	nt, above	3 m² u	nit surfac	e with h	nandle e	elemer	nt.				
	Unit height (cm))	50-75	75-100	100-125	25-150	150-175	5 175-2	00 200	-250 2	250-300		
	Pull cord/wand	opera-	50	75	100	125	150	175		00	250	-	
	tion length (cm))	50	75	100	125	150	1/3	2	00	250		
pecial	- Side guide, s	steel wir	eø1mm	, plastic	coated							-	
quipment:	- Multicoloure											-	
	- Surcharges p												
	- Additional a		es p. 115										o mm
	- * Invisible pu	unched I	hole p. 11	3									
Bundle	' Unit height up		I		50	100	150	200	250	300		19	K 1 60
heights:	Bundle height	16 mm sl	at approx.	to (cm)	4.0	5.0	6.0	8.0	9.5	11.0	_		6
	Bundle height				4.0	5.0	6.0	6.5	7.5	8.5	_		
	Bundle height				-						_		
	with invisible p				5.0	6.5	8.5	9.0	10.0	10.5			
	Bundle height			to (cm)	4.0	5.0	6.5	7.5	8.5	9.5	_		
nstallation:	- Wall and cei				ion lever	bracke	ts		1				
	- Additional ir	0											
	Dualationaria												

- Bracket quantity table p. 117



Models 09-6191, 09-8111, 09-8112



Model 09-6191 with 25 mm slats for sloping windows up to 45° Model 09-8111 with 25 mm slats for pentagon windows up to 45°

Model 09-8112 with 25 mm slats for triangular windows up to 30°, isosceles shape only

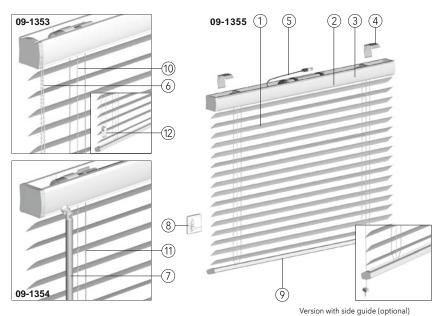
Slat tilting with wand, opening and the closing of the blind with pull cord only in the rectangular area. Pull cord exit and wand at the front. Flat, extruded aluminium head and bottom rail. Bottom rail with an inserted, colour matching slat. Slat colours as per MHZ collection. Colour of cords and ladder cords match the slats. With safety tassel and cord cleat p. 137. Technical data

Dimensions:	Model	Min. v	vidth	Max. w	idth	Max. h	eight	Max. su	Irface		
	09-6191	33 cm	and above	e up to 2	50 cm	300 cm	1	approx	. 4 m²	-	Model 09-6191
	09-8111	C: 33 cm	and above	e up to 2	50 cm	300 cm	ı	approx	. 4 m²	_	45°
		A: 17 cm	and above	e up to 2	50 cm	300 cm	ı	approx	. 4 m²	_	h
	09-8112	33 cm	and above	e up to 2	50 cm	300 cm	n	approx	. 4 m²	-	
Profiles:	Head rail: Wi Bottom rail: \				1						Model 09-8111 C
Hardware colour:	100 silver an 171 white po 257 black an 650 anthracit	owder-coate odised									Model 09-8112
Slats:	Width 25 mn and colours.										h H
Operation:	Lifting and lo connector. Sl element, abc Operation si	at tilting wi ove 3 m² un	th wand (it surface	acrylic). with har	Wand u ndle ele	ip to 3 m					
	Unit height (cn					125-150	150-175	175-200	200-250	250-300	27 mm 38 39
	Pull cord/wanc length (cm)	-	50	75	100-123	125	150	175	200-230	250	
Special equipment:	- Side guide, - Multicolour - Surcharges - Additional a	ed blind p p. 109	112	olastic c	oated						
Installation:	- Wall and ce	eiling instal	ation wit	h tensioi	n lever l	brackets					
	- Additional i - Bracket qua			ies p. 11	7						and the second second



Models 09-1353, 09-1354, 09-1355

(1) Blind

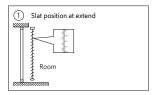


Model 09-1353 with 50 mm slats, chain operation Model 09-1354 with 50 mm slats, Crank operation Model 09-1355 with 50 mm slats, Electric drive 230 V Models are suitable for damp locations (DIN EN 13120, appendix A.2b).

Upper and lower rail made of aluminium. Slat colours as per MHZ collection. Lifting cord in grey and white, ladder cords in white or grey, matched to the slat colour. With safety tensioner system (only 09-1353) P. 137.

(2) Head rail 3 Slat in the head rail (4) Ceiling and wall brackets (5) Electric drive 230 V (6) Chain operation (7) Crank operation 8 For switches and controls, see Electrical accessories (not included) (9) Bottom rail (10) Lifting cord

- (11) Ladder cord
- (12) Safety tensioner



Technical data

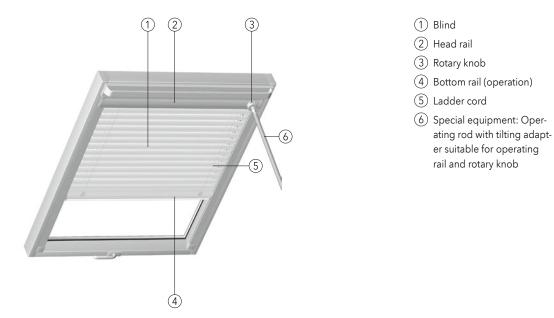
Dimensions:	Model I	Min. width	Max. width	Max. height	Max. surface	Width
		46 cm and above	up to 500 cm	450 cm	approx. 8 m ²	
		46 cm and above	up to 500 cm	450 cm	approx. 16 m ²	
		68.5 cm and above	up to 500 cm	450 cm	approx. 20 m ²	
Profiles:	Bottom rail: V	dth 59 mm, heigh Vidth 52 mm, heig				
lardware olour:	100 silver and	odised 17	white powder-co	ated 670 bla	ack powder-coated	
ilats:					llection for surfaces operties brochure.	62 mm
Operation:	Blind secured tensioner. Note: Operati	in position autom		ide left or right. C cm steps,	ng chain (transparent). hain secured by safety	Bundle height
	Delivery with the e	exact or next smaller oper	ation length. Other opera	tion lengths available o	n request at extra cost.	Model 09-1353
	at extra cost).	Crank exit at the fr	g and tilting via crai ont, 54 mm from the t or right. Crank op	e outside. Blind se		
	Unit height (cm	n) 50-75 75-100	100-125 125-150 1	50-175 175-200 2	00-250 250-300 > 300	Model 09-1354
	Operation leng Crank (cm)	^{9th} 50 75	100 125	150 175	200 250 300	
	approx. 90 cr end position	m) integrated on t switch-off. Variou r timer. For electri		hiddle of the hea lue to switch, rad	d rail, with adjusted lio remote control,	Model 09-1355
opecial equipment:	- Leader tape - Multicolour - Surcharges	ed blind p. 112 p. 109				55 49 m
Rundle heights		accessories p. 115		200 250 200	250 400 450	
unule neights	Unit height up				350 400 450	- All
	-	up to approx. (cm)	10.0 11.0 12.0	14.0 15.0 16.0	17.5 19.0 20.0	
nstallation:		with wall and ceili	0			
		accessories p. 117				
	 Bracket qua 	ntity table p. 117				

Technical information

Height



Models 09-3118, 09-3218

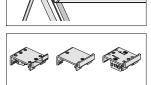


Model 09-3118 with 25 mm slats, Rotary knob for slat tilting **Model 09-3218** with 35 mm slats, Rotary knob for slat tilting

Blind movable by operable lower rail. With side guiding profiles. Slat tilting via knob. All profiles made of extruded aluminium. Slat colours as per MHZ collection. Note: For technical reasons, the MHZ skylight blind is **not** suitable for the following window models: BRAAS Atelier, DELTA Galeria Atelier/Smart, DÖRKEN Atelier/Galeria Smart, ROTO Q.

Technical data

Dimensions:	Model 09-3118 09-3218	Min. width 30 cm and abov 30 cm and abov		Max. height 160 cm 160 cm	Max. surface approx. 1.9 m ² approx. 2.4 m ²	Sash
	09-3118: 09-3218:		cord from width o cord from width o			Cear
Hardware colour:	100 silver anoc 171 white pow					
Slats:	for surfaces an	85 mm, aluminium d colours. Detaile chure. Perforated	d information c	an be found in t		Width = clear sash dimension and glass size
Operation:	Models 09-31 Slat tilting via r	,	head rail, on lef	t or right. Opera	desired position. ating rod can be	
Special equipment:	- Multicoloured	0 1	ter			
Installation:	Installation with P 117.	n universal plastic	brackets (depe	nding on the sk	ylight model);	



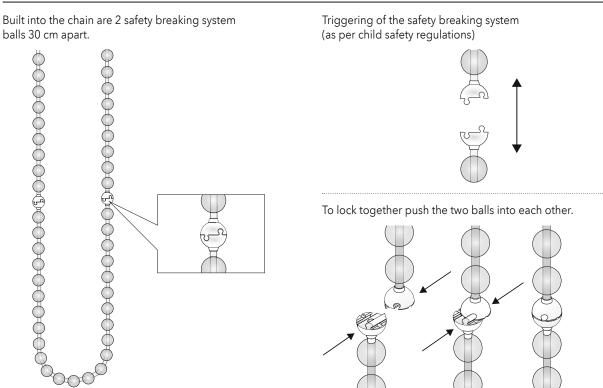
ght = clear sash ìension and glass _f



Venetian blinds | Child safety systems

Child safety systems

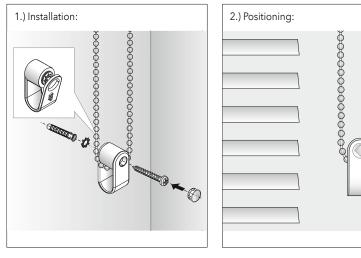
Safety breaking system for plastic operating chain (supplied as standard with all units)



Safety tensioner systems with operation chains made of plastic and metal

The safety tensioner is supplied pre-fitted on the cord and chain.

Caution: Be sure to fit in correct direction and to keep chain taut. Correct positioning of the safety tensioner must be checked regularly and, in the case of doubt, re-adjusted.

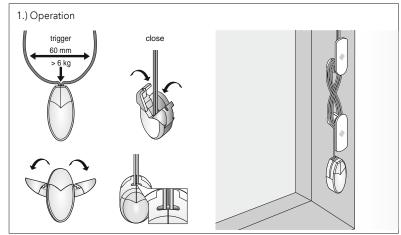




Child safety systems

Safety tassel for child safety (MINI)

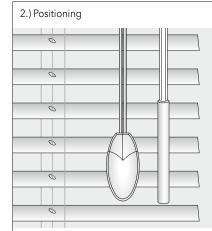
The safety tassel for child safety comes pre-installed on the cord. After operation the pull cord and safety tassel must be wrapped around the cord hook.



Tangle-free tassel(TwinLine with cord)

The tangle-free tassel comes pre-installed on the cord.

1.) Positioning	
0	
0	
0	
0	
0	
0	



Note operation length

M Operation length:

Unless otherwise stipulated by specialists, blind units will be made with a safety tensioner based on the ordering height:

Less than 250 cm = operation length: max. 100 cm

Over 250 cm = operation length: ordering height minus 150 cm

A Please note:

Cord and chain loops with safety tensioners must end at least 150 cm above the floor from the know installation height.