

↕ **IRION** **LANCER** **JUMBO**

**bulmor**  
*strong sideloader solutions*



Technical  
Information

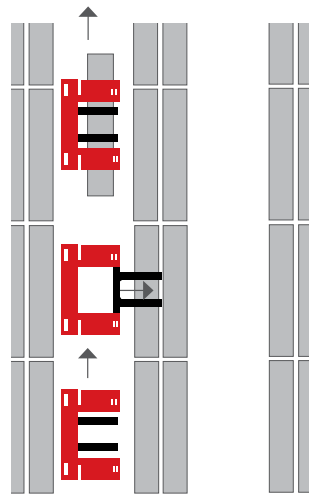
**Multidirectional-  
Sideloaders  
EMSII 20-35** (VB)



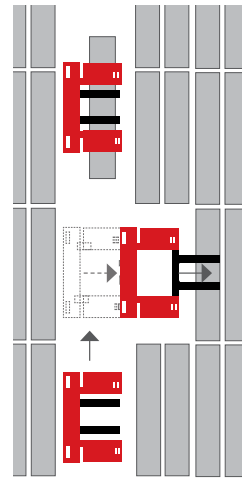


# Multidirectional sideloaders with **single-piece frame**

- Ideal for high lift heights
- The mast stays vertical even on uneven grounds
- At high lift heights, the deflection of the mast can be compensated by tilting the frame
- Hydraulic system



Agile and secure for rack storage



Ideal for block storage

Efficient  
Fast  
Safe

Swinging system  
with horizontal mast balancing

Four load wheels or double load wheels  
mounted on a swinging axle, which  
ensure optimal wheel load distribution and  
extremely low wear in contrary to the fixed castor wheels of competitors.



# Fourway-Sideloader EMSII 20-35

80V with Vulkollan® tyres

Typ			EMSII 20	EMSII 25	EMSII 30	EMSII 35
Lifting Capacity	Q	kg	2000	2500	3000	3500
Load centre	c by NB = 1200	mm	600			
Width GT	Vn rated dimension cassis back to face of fork	mm	750			
Width BGTs	Ve effective dimension cassis back to face of fork	mm	900			
Useable width with GT	NB = B - Vn	mm	1200			
Useable width with BGTs	NB = B - Ve	mm	1050			
Mast traverse GT	V = NB + 100	mm	1300			
<b>Overall Dimensions</b>						
Total length	L	mm	3100			
Total length over cabin	Lk (Standard cabin LK6,7)	mm	3640			
Useable platform	NB	mm	800 - 1800		800 - 2000	
Total width	B (NB = 800)	mm	1550			
Aisle width	AST (B = 1550)	mm	1750			
Platform height	P	mm	400			
Well width	E	mm	1600			
Ground clearance	m (unter mast)	mm	100			
Cabin height	H (Standard cabin LK6,7)	mm	2580			
Lift height	h3 (Rated lift height)	mm	3500			
Total width	at B = 1750 / 2150 / 2550	°	±1 / ±0,82 / ±0,67			
Horizontal mast correction	at h3=6000 & B = 1750 / 2150 / 2550	mm	±110 / ±85 / ±70			
<b>Fork Carriage</b>						
Fork distance outer edge to outer edge GT	GTL	mm	1500			
Fork distance GT	AK - AK	mm	420 - 1500			
Fork distance outer edge to outer edge BGTs	GTL	mm	3800			
Fork distance BGTs	AK - AK	mm	420 - 3800			
Tilting fork carriage	+ = up / - = down	°	±5°			
<b>Weights</b>						
Weight including battery	B=1950; 3,5m Duplex; GT; 4PzS	kg	5400	5500	5800	6000
Weight including battery & rated load		kg	7400	8000	8800	9500
Stability	ISO 22915-7		ja			
<b>Battery</b>						
Voltage		V	80			
Capacity		Ah	620 / 775			
<b>Drive</b>						
Drive motor	AC - Technology	kW	2 x 7			
Working hydraulics		kW	1 x 12			
<b>Vulkollan® tyres / Dimension</b>						
Wheels	Number driven / load side (x=driven)		2x / 4			
Drive wheels	Diameter x Width	mm	ø406 / 178			
Load wheels	Diameter x Width	mm	ø285 / 100			
Spec. Ground pressure	Driving side / load side (ready to drive on load)	N/cm <sup>2</sup>	120 / 80	125 / 85	125 / 90	130 / 100
<b>Steering / brakes</b>						
Steering	Multidirectional steering standard 12-steering programs		electrohydraulic			
Service brake I	Activation by accelerator release		regenerative			
Service brake II	Activation by operating brake pedal		proportional counter-current braking			
Park-/Parking brake			electromagnetically released sprung-applied brake			
Working Pressure	For Attachment	bar	185			

## Mast Data

EMSII 20-35 Duplex (D)				
Lift Height	Height			Fee-Lift
	Closed Height	Extended GT	Extended BGTs	
h3	h1	h4	h4	h2
3500	2500	4280	4640	600
4000	2750	4780	5140	600
4500	3000	5280	5640	600
5000	3250	5780	6140	600
5500	3500	6280	6640	600
6000	3750	6780	7140	600

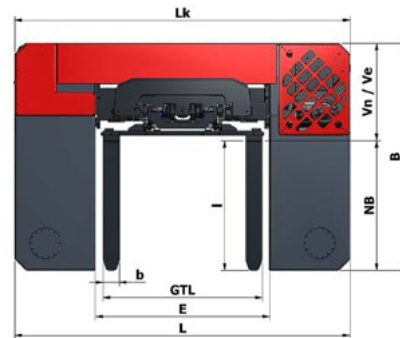
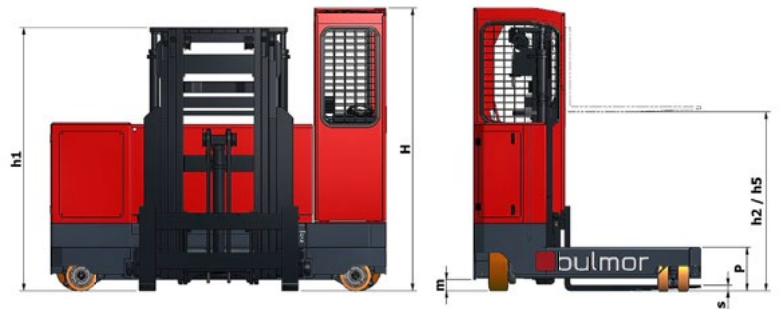
EMSII 20-35 Duplex Full free lift mast (V)					
Lift Height	Height			Fee-Lift	
	Closed Height	Extended GT	Extended BGTs	GT	BGTs
h3	h1	h4	h4	h5	h5
3500	2500	4280	4640	1720	1360
4000	2750	4780	5140	1970	1610
4500	3000	5280	5640	2220	1860
5000	3250	5780	6140	2470	2110
5500	3500	6280	6640	2720	2360
6000	3750	6780	7140	2970	2610

EMSII 20-35 Triplex Full free lift mast (T)					
Lift Height	Height			Fee-Lift	
	Closed Height	Extended GT	Extended BGTs	GT	BGTs
h3	h1	h4	h4	h5	h5
5000	2420	5780	6140	1640	1280
5500	2587	6280	6640	1807	1447
6000	2754	6780	7140	1974	1614
6500	2921	7280	7640	2141	1781
7000	3088	7780	8140	2308	1948
7500	3255	8280	8640	2475	2115
8000	3422	8780	9140	2642	2282

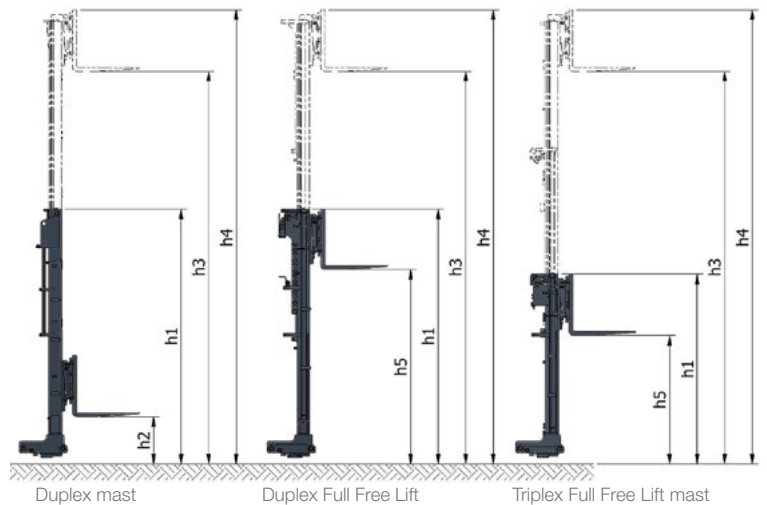
## Forks

Type	Cross section	Length				
		800	1000	1200	1400	1600
EMSII 20	b / s	125 / 45	125 / 45	125 / 45	125 / 45	150 / 45
EMSII 25	b / s	125 / 45	125 / 45	125 / 45	150 / 45	150 / 45
EMSII 30	b / s	125 / 45	125 / 45	150 / 45	150 / 45	150 / 50
EMSII 35	b / s	125 / 45	125 / 45	150 / 50	150 / 50	150 / 50

## Standard-Fork Carriage



## Mast Dimensions



Pictures can contain special outfits which are not part of standard specification. Changes in design and material characteristics as well as appearance and delivery reserved.



Timber, steel, aluminium, tubes etc. - our machines master all kinds of operations in most diverse industries.



References and applications



**Glued laminated timber  
profiles  
pipes  
steel**

Our machines handle any long  
and heavy material.

We offer comfortable and  
safe handling of goods.

In the field of sideloaders and multidirectional sideloaders, Bulmor is the specialist in creating perfect solutions for each individual customer. Our products' profound quality coupled with robustness and safety makes us the ideal and reliable business partner.

Our bespoke sideloaders and multidirectional sideloaders are designed and produced in Bulmor's Upper-Austrian headquarters and excel through innovation, customer benefit, durability and great availability. As a matter of course, our machines are operated in the whole world, in different industries, from plastics and timber to concrete and steel applications.



- Sideloaders
- Multidirectional Sideloaders
- Ground Support Equipment

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