

Diesel and LPG

SIDELIFTS



Series *Premier*

GX 110

GX 130

GX 150



GX

A new innovative and ground breaking design based on BAUMANN's three decades of experience as sidelif specialist.

Tomorrows ideas and trends are based on the knowledge and experience gained from thousands of hardworking predecessors in the field. The **GX Premier** series offers progressive solutions to plant managers and operators pressed for space and productivity.

State of the art ergonomics in conjunction with powerful engines and automotive hydrostatic drive trains guarantees top notch performance.

With foresight in design, space has been provided for environmentally friendly features such as scrubbers, catalyzers and air filters to protect nature and the quality of live.



Technical description

The GX Premier series is a completely new approach to meet the demands of tomorrow. The compact design with the drive train below deck gives the truck excellent balance and stability while improving operator vision. Noise levels, fuel consumption and exhaust fumes are greatly reduced. Ergonomics and operator comfort are at levels never before seen in sideloaders.

Diesel Engines:

GX 110 and GX 130, Standard : Perkins diesel engine, water cooled (see specs under "Premier specifications").

GX 150, Standard : Perkins diesel engine, water cooled (see specs under "Premier specifications").

LPG engine (optional): For all GX models: GM 6-cylinder Vortec, water cooled with switch on dashboard for two bottle operation (see specs under "Premier specifications").

Transmission:

Hydrostatic with variable displacement piston pump flanged directly to the engine drives two wheel hub motors with variable speed adjustment. Wheel hub motors are set into planetary final drives. Full variable speed control. Forward/reverse shifted electrically via control lever on steering column. Automotive driving characteristics.

Cooling system:

Water cooling with integrated oil cooler.

Brakes:

4-wheel hydraulically assisted servo brakes. Generously dimensioned shoe type brakes on front wheels, disc brakes on rear. Accumulator spring loaded emergency and parking brake system.

Axle system:

Shocks due to uneven road surfaces are dampened. Interacting hydraulic frame tilt cylinder keep truck at a four point stance and level. Steer cylinder protected behind axle housing. 84 degree steer angle assures tightest turning radius.

Tires:

Standard pneumatic tires 300 - 15 and 355/65 - 15. Super elastic tires and "Soft Shoes" optional.

Hydraulic system:

Consists of two entirely separate hydraulic systems. Main hydraulics with displacement pump with 12 gallons (45 litre) at 1,000 rpms performance. Steering circuit supply by gear pump.. Suction filters in hydraulic tank. Low operating pressures peak at 2,400 PSI (170 bar). Priority valve for hydrostatic steering located in main control valve block. Hydraulic tank is of welded design with integrated baffle plates.

Frame:

All steel torsion resistant engineering with large cross sections and box design. The replaceable reach rails are of high grade precision, manganese steel profiles. Large, built-in counter bearings with shock absorbing capabilities support the drive and steer axles. Modern, handsome BAUMANN design with sufficient frame cutout for also handling pallets or other shorter loads inside the well.

Uprights:

BAUMANN-designed extra wide uprights are manufactured from high grade steel profiles, for the special needs of sideloader applications. Canted rollers with grease nipples operate on low friction roller bearings. Rollers are easily adjustable. Parachute valves provide a built in safety in case of a hose failure.

Reach assembly:

Upright and reach assembly are welded together to become one sturdy unit. With four large roller bearings running inside the replaceable reach rails, the upright can move from the totally retracted position to the maximum extended position in one continuous movement. The reach cylinders, anchored solidly to the frame, are synchronized and feature end position cushioning so the mast cannot be slammed into the frame.

Fork carriage and forks:

Fork carriage is manufactured of high tensile steel and features four canted rollers. Wide roller spacing for excellent stress distribution. Forks and fork carriage are of FEM class 3B design.

Forks are forged and heat treated.



GX Premier

Poiserful, easy to use, a pleasure to work with.

Operator compartment:

Fully enclosed cab with large, low cut tinted windows for excellent operator visibility. Armored sun roof allows operator vision to highly raised loads and can be removed to function as emergency exit. Steering wheel and column is adjustable to drivers preference. Comfortable hydraulically dampened seat with swivel function (optional). Logically arranged instruments and easy to reach controls. Sliding door; heater; defroster; wind-shield wiper; horn and panorama rear view mirror are standard features.

Electrical system and lighting:

High beam and low beam head lights, backup lights, backup alarm, tail lights, stop lights and direction flashers. Dome light inside the cab; working spot light on top of roof, adjustable from inside the cab. 12 volt system, with 110 Ah battery, 55 Ampere alternator, hour meter, fuel and temperature gauges.

Safety:

The GX Premier series meets or exceeds all ANSI or OSHA requirements as well as environmental demands by the EPA regulations.

Options:

- Full free lift and triple stage uprights
- Noise reduction packages
- Hydraulic fork carriage tilt
- Spreader bar with outside forks
- Deep reach attachment
- Fork positioner inside the frame cutout, or on spreader bar
- Hydraulic single fork height leveler



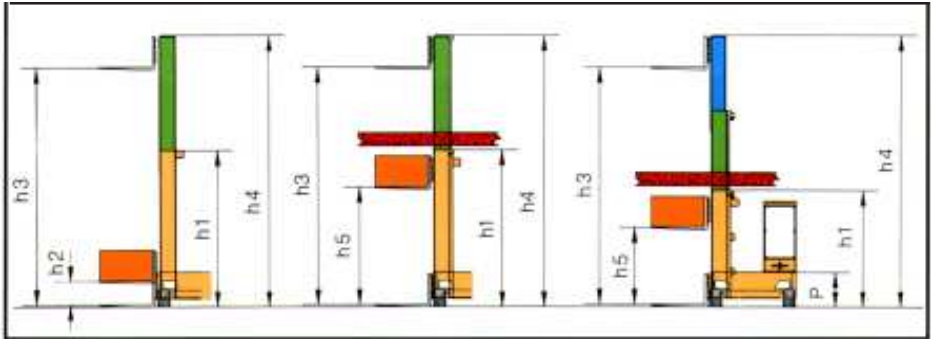
Premier Specifications:

English

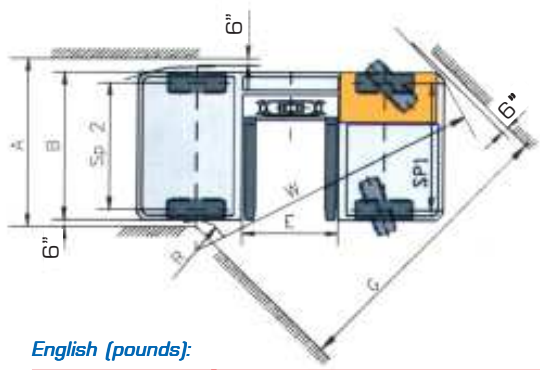
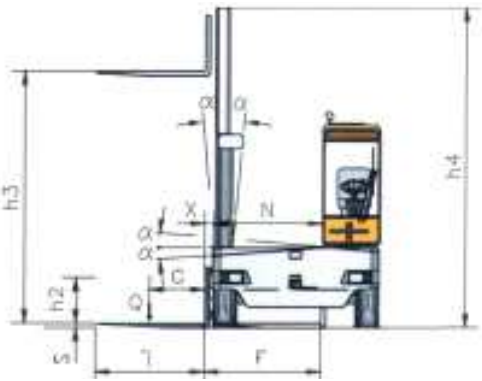
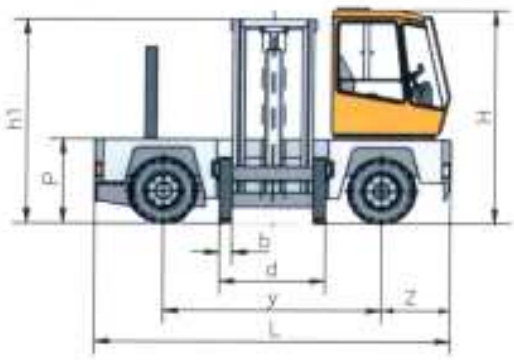
Description		GX 110			GX 130			GX 150 H					
01	Model												
02	Manufacturer	Baumann											
03	Rated Capacity	Q	pounds		11,000			13,200			15,400		
04	at Load Center	c	inches		24	27.5	31.5	24	27.5	31.5	24	27.5	31.5
05	Platform Width, options ²⁾	N	inches		48	55	63	48	55	63	48	55	63
Standard Mast Type													
06	Standard Lift Height	h3	inches		157			157			157		
07	Overall Collapsed Height	h1	inches		1 ¹⁾ 116			1 ¹⁾ 116			119		
08	Overall Extended Height	h4	inches		1 ¹⁾ 195			1 ¹⁾ 195			200		
09	Freelift	h5	inches		1 ¹⁾ 26			1 ¹⁾ 26			26		
10	Total Mast Travel	F	inches		52	59	67	52	59	67	52	59	67
Forks													
11	Standard Length	l	inches		47.3	55	63	47.3	55	63	47.3	55	63
12	Standard Width	b	inches		6	8		8			8		
13	Standard Thickness at Heel	s	inches		2.4			2.4			2.6		
14	Outside Fork Spacing, max.	d	inches		16 to 59			16 to 59			16 to 59		
Frame/Cab													
15	Total Length	L	inches		194			194			194		
16	Total Width	B	inches		79	87	95	79	87	95	79	87	95
17	Frame Cut-out (Well)	E	inches		63			63			63		
18	Platform Height	P	inches		41.5(45)			41.5(45)			41.5(45)		
19	Platform Tilt, forward/back	a	degrees	4.5/4.5	3.7/3.7	3.2/3.2	4.5/4.5	3.7/3.7	3.2/3.2	4.5/4.5	3.7/3.7	3.2/3.2	
20	Height of Cab	H	inches		103			103			103		
Aisle Requirements													
21	Turning Radius, inner	R	inches		18			18			18		
22	Turning Radius, outer	W	inches		181	184	188	181	184	188	181	184	188
23	Working Aisle Width	A	inches		91	99	107	91	99	107	91	99	107
24	90° Intersecting Aisle Width	G	inches		176	180	184	176	180	184	176	180	184
Weights and Wheels													
25	Weight, empty		pounds		17,535	17,820	18,105	18,085	18,370	18,655	20,150	20,460	20,770
26	Axle Load, front, laden		pounds		13,550	13,685	13,825	14,860	14,995	15,135	16,885	17,030	17,180
27	Axle Load, rear, laden		pounds		14,985	15,135	15,280	16,425	16,575	16,720	18,665	18,830	18,990
28	Tire Size (2 Drive/2 Steer)		inches		300 - 15			300 - 15			355/65 - 15		
29	Wheel Base	Y	inches		118			118			118		
30	Front Overhang	Z	inches		32.5			32.5			32.5		
31	Track Width, front/rear	Sp1/Sp2	inches		65/65	73/73	81/81	65/65	73/73	81/81	67/67	75/75	83/83
32	Ground Clearance below Mast		inches		10			10			10		
Performance													
33	Travel Speed, laden/empty		mph		14/16			14/16			14/16		
34	Lift Speed, laden/empty		ft./min		90/98			90/98			70/80		
35	Lowering Speed, laden/empty		ft./min		98/90			98/90			98/90		
36	Mast Traverse Speed		ft./min		60			60			60		
37	Max. Drawbar Pull		pounds		8,000			8,000			9,650		
38	Max. Gradient, laden/empty		%		22/35			20/33			22/35		
39	Service Brake (foot)	four - wheel power brakes plus hydrostatic braking											
40	Parking Brake (hand)	spring type accumulators, electrically actuated, brakes both drive wheels											
Engines and Transmission													
41	Diesel Engine (Make/Model)	Perkins / 1004.4			Perkins / 1004.4			Perkins / 1004.4					
42	Continuous Power	hp	91		91			114					
43	at Speed	rpm	2,600		2,600			2,800					
44	Cylinders and Displacement	n/Liter	4/4.0		4/4.0			4/4.0					
45	LPG Engine (Make/Model) ²⁾	optional	GM Vortec V6			GM Vortec V6			GM Vortec V6				
46	Continuous Power	hp	95		95			95					
47	at Speed	rpm	2,500		2,500			2,500					
48	Cylinders and Displacement	n/Liter	6/4.3		6/4.3			6/4.3					
49	Transmission	hydrostatic											
50	Heavy Duty Battery	V/Ah	12/110		12110			12/110					



- 1) All platform sizes larger than 63 inches (1.600 mm) use GX 150 mast specs.
- 2) Larger platform sizes in 8" (200 mm) increments are available on request



* Legend to masts: LH = Lift Height; CH = Collapsed Height; EH = Extended Height; FL = Freelift; FFL = Full Freelift; SFL = Special Freelift



GX 110 & GX 130 up to 31.5 inches (800 mm) Load Center			
<i>Standard Duplex Masts (2 stage): English (inches)</i>			
LH*(h3)	CH*(h1)	EH*(h4)	FL*(h2)
130	102	167	26
157	116	195	26
177	126	215	26
196	136	234	26
216	146	254	26
236	156	274	26

GX 150 and GX 110, GX 130 Load Center > 31.5 inches (800 mm)			
<i>Standard Duplex Masts (2 stage): English (inches)</i>			
LH*(h3)	CH*(h1)	EH*(h4)	FL*(h2)
130	107	172	26
157	121	200	26
177	131	220	26
196	141	239	26
216	151	259	26
236	161	279	26

Full Freelift Duplex Masts (2 stage): English (inches)			
LH*(h3)	CH*(h1)	EH*(h4)	FFL*(h5)
130	102	167	63
157	116	195	77
177	126	215	87
196	136	234	97
216	146	254	106
236	156	274	116

Full Freelift Duplex Masts (2 stage): English (inches)			
LH*(h3)	CH*(h1)	EH*(h4)	FFL*(h5)
130	107	172	63
157	121	200	77
177	131	220	87
196	141	239	97
216	151	259	106
236	161	279	116

Triplex Masts (3 stage): English (inches)			
LH*(h3)	CH*(h1)	EH*(h4)	SFL*(h5)
177	96	215	57
200	104	238	65
224	112	262	73
236	116	274	77
248	120	285	81
260	124	297	85

Triplex Masts (3 stage): English (inches)			
LH*(h3)	CH*(h1)	EH*(h4)	SFL*(h5)
177	102	220	57
200	109	243	65
224	117	267	73
236	121	279	77
248	125	291	81
260	129	302	85

English (pounds):

Capacity at Lift Height	GX 110			GX 130			GX 150		
	48	55	63	48	55	63	48	55	63
130	11,000	11,000	11,000	13,200	13,200	13,200	15,400	15,400	15,400
157	10,450	10,450	11,000	12,540	12,540	13,200	14,630	14,630	15,400
177	10,120	10,120	10,670	12,145	12,145	12,805	14,170	14,170	14,940
196	9,680	9,680	10,340	11,615	11,615	12,410	13,550	13,550	14,475
216	9,240	9,240	9,900	11,090	11,090	11,880	12,935	12,935	13,860
236	8,800	8,800	9,350	10,560	10,560	11,220	12,320	12,320	13,090
248	8,250	8,250	9,130	9,900	9,900	10,955	11,550	11,550	12,780
260	7,920	7,920	8,800	9,505	9,505	10,560	11,090	11,090	12,320

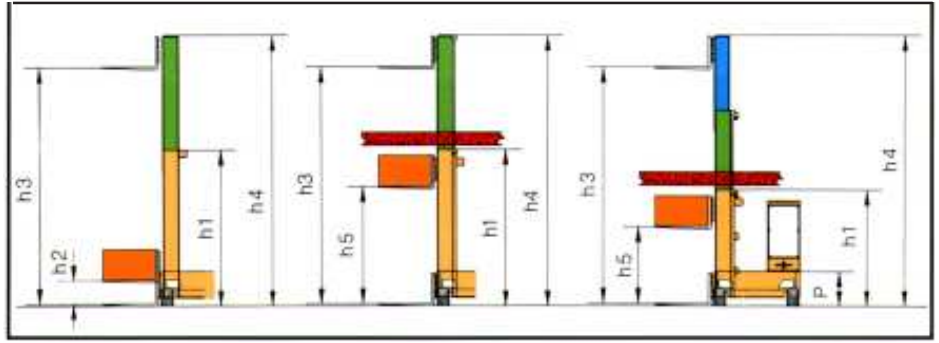
Premier Specifications:

Metric

Description 01 Model		GX 110			GX 130			GX 150 H		
02 Manufacturer	Baumann									
03 Rated Capacity	Q kg	5.000			6.000			7.000		
04 at Load Center	c mm	600	700	800	600	700	800	600	700	800
05 Platform Width, options ²⁾	N mm	1.200	1.400	1.600	1.200	1.400	1.600	1.200	1.400	1.600
Standard Mast Type										
06 Standard Lift Height	h3 mm	4.000			4.000			4.000		
07 Overall Collapsed Height	h1 mm	1) 2.940			1) 2.940			3.020		
08 Overall Extended Height	h4 mm	1) 4.940			1) 4.940			5.080		
09 Freelift	h5 mm	660			660			660		
10 Total Mast Travel	F mm	1.300	1.500	1.700	1.300	1.500	1.700	1.300	1.500	1.700
Forks										
11 Standard Length	l mm	1.200	1.400	1.600	1.200	1.400	1.600	1.200	1.400	1.600
12 Standard Width	b mm	150	200		200			200		
13 Standard Thickness at Heel	s mm	60			60			65		
14 Outside Fork Spacing, max.	d mm	400 to 1.520			400 to 1.520			400 to 1.520		
Frame/Cab										
15 Total Length	L mm	4.930			4.930			4.930		
16 Total Width	B mm	2.000	2.200	2.400	2.000	2.200	2.400	2.070	2.270	2.470
17 Frame Cut-out (Well)	E mm	1.600			1.600			1.600		
18 Platform Height	P mm	1.050 (1.150)			1.050 (1.150)			1.050 (1.150)		
19 Platform Tilt, forward/back	a degrees	4,5/4,5	3,7/3,7	3,2/3,2	4,5/4,5	3,7/3,7	3,2/3,2	4,5/4,5	3,7/3,7	3,2/3,2
20 Height of Cab	H mm	2.600			2.600			2.600		
Aisle Requirements										
21 Turning Radius, inner	R mm	451			451			451		
22 Turning Radius, outer	W mm	4.585	4.680	4.780	4.585	4.680	4.780	4.585	4.680	4.780
23 Working Aisle Width	A mm	2.300	2.500	2.700	2.300	2.500	2.700	2.370	2.570	2.770
24 90° Intersecting Aisle Width	G mm	4.470	4.570	4.670	4.470	4.570	4.670	4.470	4.570	4.670
Weights and Wheels										
25 Weight, empty	kg	7.970	8.100	8.230	8.220	8.350	8.480	9.160	9.300	9.440
26 Axle Load, front, laden	kg	6.160	6.220	6.285	6.755	6.815	6.880	7.675	7.740	7.810
27 Axle Load, rear, laden	kg	6.810	6.880	6.945	6.465	7.535	7.600	8.485	8.560	8.630
28 Tire Size (2 Drive/2 Steer)	mm	300 - 15			300 - 15			355/65 - 15		
29 Wheel Base	Y mm	2.980			2.980			2.980		
30 Front Overhang	Z mm	825			825			825		
31 Track Width, front/rear Sp1/Sp2	mm	1.648/1.648	1.848/1.848	2.048/2.048	1.648/1.648	1.848/1.848	2.048/2.048	1.698/1.698	1.898/1.898	2.098/2.098
32 Ground Clearance below Mast	mm	240			240			240		
Performance										
33 Travel Speed, laden/empty	km/h	22/25			22/25			22/25		
34 Lift Speed, laden/empty	m/sec	0,45/0,50			0,45/0,50			0,35/0,40		
35 Lowering Speed, laden/empty	m/sec	0,50/0,45			0,50/0,45			0,50/0,45		
36 Mast Traverse Speed	m/sec	0,30			0,30			0,30		
37 Max. Drawbar Pull	kg	3.630			3.630			4.385		
38 Max. Gradient, laden/empty	%	22/35			20/33			22/35		
39 Service Brake (foot)		four - wheel power brakes plus hydrostatic braking								
40 Parking Brake (hand)		spring type accumulators, electrically actuated, brakes both drive wheels								
Engines and Transmission										
41 Diesel Engine (Make/Model)		Perkins / 1004.4			Perkins / 1004.4			Perkins / 1004.4		
42 Continuous Power	hp/KW	91/67			91/67			114/84		
43 at Speed	rpm	2.600			2.600			2.800		
44 Cylinders and Displacement	n/Liter	4/4.0			4/4.0			4/4.0		
45 LPG Engine (Make/Model)	optional	GM Vortec V6			GM Vortec V6			GM Vortec V6		
46 Continuous Power	hp/KW	95/70			95/70			95/70		
47 at Speed	rpm	2.500			2.500			2.500		
48 Cylinders and Displacement	n/Liter	6/4.3			6/4.3			6/4.3		
49 Transmission		hydrostatic			hydrostatic			hydrostatic		
50 Heavy Duty Battery	V/Ah	12/110			12/110			12/110		

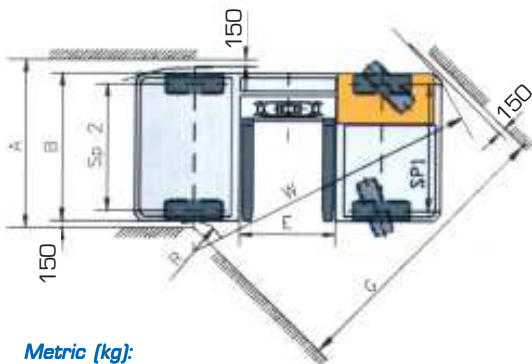
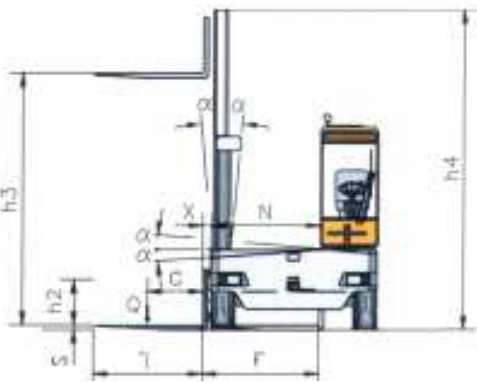
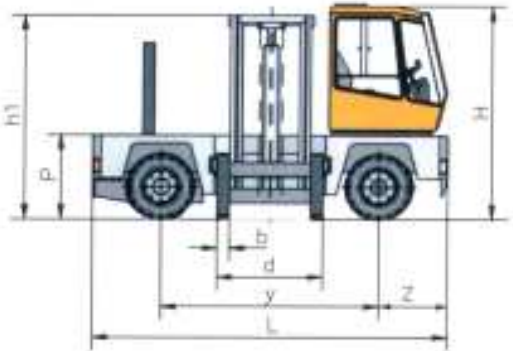


- 1) All platform sizes larger than 1.600 mm (63") use GX 150 mast specifications.
- 2) Larger platform sizes in 200 mm (8") increments are available on request



* Legend to masts:

LH = Lift Height; CH = Collapsed Height; EH = Extended Height;
FL = Freelift; FFL = Full Freelift; SFL = Special Freelift



GX 110 & GX 130 up to 31.5 inches (800 mm) Load Center				GX 150 and GX 110, GX 130 Load Center > 31.5 inches (800 mm)			
<i>Standard Duplex Masts (2 stage):</i>				<i>Standard Duplex Masts (2 stage):</i>			
<i>Metric (mm)</i>				<i>Metric (mm)</i>			
LH*(h3)	CH*(h1)	EH*(h4)	FL*(h2)	LH*(h3)	CH*(h1)	EH*(h4)	FL*(h2)
3.300	2.590	4.240	660	3.300	2.720	4.370	600
4.000	2.940	4.940	660	4.000	3.070	5.070	600
4.500	3.190	5.440	660	4.500	3.320	5.570	600
5.000	3.440	5.940	660	5.000	3.570	6.070	600
5.500	3.690	6.440	660	5.500	3.820	6.570	600
6.000	3.940	6.940	660	6.000	4.070	7.070	600

<i>Full Freelift Duplex Masts (2 stage):</i>				<i>Full Freelift Duplex Masts (2 stage):</i>			
<i>Metric (mm)</i>				<i>Metric (mm)</i>			
LH*(h3)	CH*(h1)	EH*(h4)	FFL*(h5)	LH*(h3)	CH*(h1)	EH*(h4)	FFL*(h5)
3.300	2.590	4.240	1.615	3.300	2.720	4.370	1.615
4.000	2.940	4.940	1.965	4.000	3.070	5.070	1.965
4.500	3.190	5.440	2.215	4.500	3.320	5.570	2.215
5.000	3.440	5.940	2.485	5.000	3.570	6.070	2.465
5.500	3.690	6.440	2.715	5.500	3.820	6.570	2.715
6.000	3.940	6.940	2.965	6.000	4.070	7.070	2.965

<i>Triplex Masts (3 stage):</i>				<i>Triplex Masts (3 stage):</i>			
<i>Metric (mm)</i>				<i>Metric (mm)</i>			
LH*(h3)	CH*(h1)	EH*(h4)	SFL*(h5)	LH*(h3)	CH*(h1)	EH*(h4)	SFL*(h5)
4.500	2.440	5.440	1.465	4.500	2.570	5.570	1.465
5.100	2.640	6.040	1.665	5.100	2.770	6.170	1.665
5.700	2.840	6.640	1.865	5.700	2.970	6.770	1.865
6.000	2.940	6.940	1.965	6.000	3.070	7.070	1.965
6.300	3.040	7.240	2.065	6.300	3.170	7.370	2.065
6.600	3.140	7.540	2.165	6.600	3.270	7.670	2.165

Metric (kg):

Capacity at Lift Height	GX 110			GX 130			GX 150		
	1.200	1.400	1.600	1.200	1.400	1.600	1.200	1.400	1.600
3.300	5.000	5.000	5.000	6.000	6.000	6.000	7.000	7.000	7.000
4.000	4.750	4.750	5.000	5.700	5.700	6.000	6.650	6.650	7.000
4.500	4.600	4.600	4.850	5.520	5.520	5.820	6.440	6.440	6.790
5.000	4.400	4.400	4.700	5.280	5.280	5.640	6.160	6.160	6.580
5.500	4.200	4.200	4.500	5.040	5.040	5.400	5.880	5.880	6.300
6.000	4.000	4.000	4.250	4.800	4.800	5.100	5.600	5.600	5.950
6.300	3.750	3.750	4.150	4.500	4.500	4.980	5.250	5.250	5.810
6.600	3.600	3.600	4.000	4.320	4.320	4.800	5.040	5.040	5.600

BAUMANN worldwide.

GX



BAUMANN sidelifts are manufactured exclusively at BAUMANN's European locations.



The BAUMANN product lines can be found at most major trade shows. Manufacturing of 4-directional electric sidelifts to each customer's very own specifications.



Worldwide dealer network with sales and service.

BAUMANN sidelifts and electric 4-way trucks are found at work in all continents. A close-knit, reliable customer service network ensures that the BAUMANN sidelifts are always ready for action. High spare parts availability is a priority of BAUMANN.

Sales, operator and mechanic training is available on request.

All sidelifts and four-directional electric trucks are exclusively manufactured in BAUMANN's own factories throughout Europe.



1-800-927-0385

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