

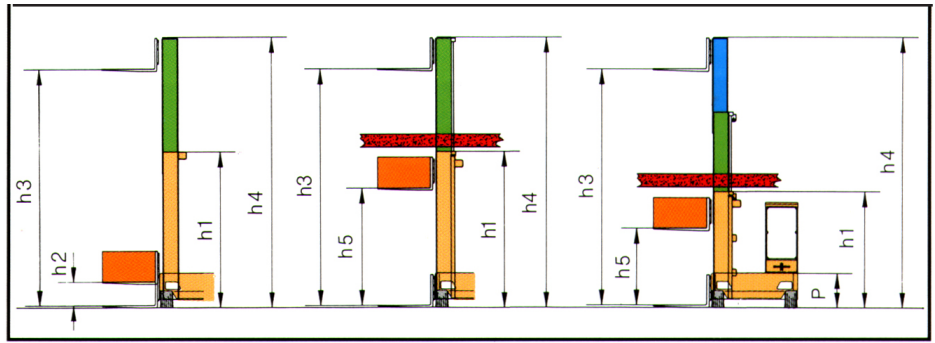
# Prime Specifications:

English

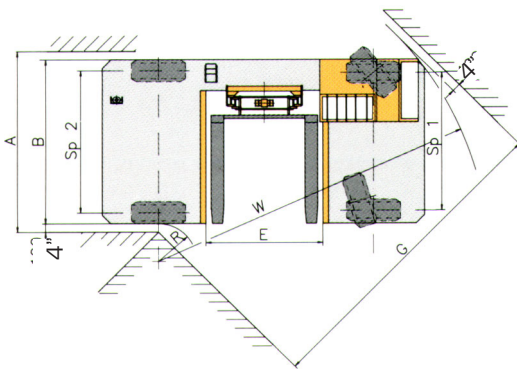
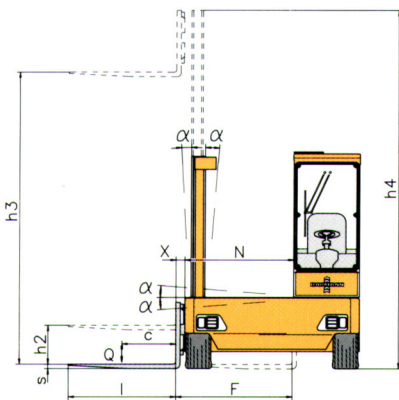
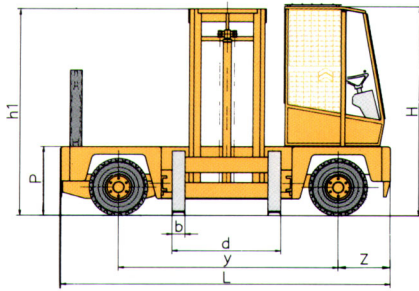
Description		HX 66			HX 77			HX 88				
01 Model												
02	Manufacturer	Baumann										
03	Rated Capacity	Q	pounds	6,600			7,700			8,800		
04	at Load Center	c	inches	24	27.5	31.5	24	27.5	31.5	24	27.5	31.5
05	Platform Width, options	N	inches	48	55	63	48	55	63	48	55	63
<b>Standard Mast Type</b>												
06	Standard Lift Height	h3	inches	157			157			157		
07	Overall Collapsed Height	h1	inches	<sup>1)</sup> 110			<sup>1)</sup> 110			113		
08	Overall Extended Height	h4	inches	<sup>1)</sup> 190			<sup>1)</sup> 190			193		
09	Freelift	h5	inches	<sup>1)</sup> 16			<sup>1)</sup> 16			24		
10	Total Mast Travel	F	inches	52	59	67	52	59	67	52	59	67
<b>Forks</b>												
11	Standard Length	l	inches	47.3	55	63	47.3	55	63	47.3	55	63
12	Standard Width	b	inches	6			6			6.3		
13	Standard Thickness at Heel	s	inches	2			2			2.4		
14	Outside Fork Spacing, max.	d	inches	12 to 51			12 to 51			12 to 51		
<b>Frame/Cab</b>												
15	Total Length	L	inches	157			157			157		
16	Total Width	B	inches	77	85	93	77	85	93	77	85	93
17	Frame Cut-out (Well)	E	inches	54			54			54		
18	Platform Height	P	inches	<sup>2)</sup> 31.5			<sup>2)</sup> 31.5			<sup>2)</sup> 31.5		
19	Platform Tilt, forward/back	$\alpha$	degrees	4/4	3.5/3.5	3/3	4/4	3.5/3.5	3/3	4/4	3.5/3.5	3/3
20	Height of Cab	H	inches	96			96			96		
<b>Aisle Requirements</b>												
21	Turning Radius, inner	R	inches	14			14			14		
22	Turning Radius, outer	W	inches	151	156	160	151	156	160	151	156	160
23	Working Aisle Width	A	inches	85	93	101	85	93	101	85	93	101
24	90° Intersecting Aisle Width	G	inches	148	153	158	148	153	158	148	153	158
<b>Weights and Wheels</b>												
25	Weight, empty		pounds	11,160	11,500	11,820	12,260	12,600	12,920	13,360	13,700	14,030
26	Axle Load, front, laden		pounds	8,530	8,690	8,850	9,610	9,750	9,900	10,650	10,800	10,960
27	Axle Load, rear, laden		pounds	9,230	9,410	9,570	10,350	10,550	10,720	11,510	11,700	11,870
28	Tire Size (2 Drive/2 Steer)		inches	7.00 - 12			27 x 10 - 12			27 x 10 - 12		
29	Wheel Base	y	inches	100			100			100		
30	Front Overhang	z	inches	24			24			24		
31	Track Width, front/rear	Sp1/Sp2	inches	65/67	73/75	81/83	65/67	73/75	81/83	65/67	73/75	81/83
32	Ground Clearance below Mast		inches	8			8			8		
<b>Performance</b>												
33	Travel Speed, laden/empty		mph	13/15			13/15			13/15		
34	Lift Speed, laden/empty		ft./min	60/80			60/80			60/80		
35	Lowering Speed, laden/empty		ft./min	70/60			70/60			70/60		
36	Mast Traverse Speed		ft./min	60			60			60		
37	Max. Drawbar Pull		pounds	4,620			4,620			4,620		
38	Max. Gradient, laden/empty		%	16/23			15/22			14/20		
39	Service Brake (foot)	four - wheel power brakes plus hydrostatic braking										
40	Parking Brake (hand)	electrically actuated, brakes both drive wheels										
<b>Engines and Transmission</b>												
41	Diesel Engine (Make/Model)	Perkins / 704 - 30			Perkins / 704 - 30			Perkins / 704 - 30				
42	Continuous Power	hp		64			64			64		
43	at Speed	rpm		2,600			2,600			2,600		
44	Cylinders and Displacement	n/Liter		4/3.0			4/3.0			4/3.0		
45	LPG Engine (Make/Model) <sup>2)</sup>	optional		Continental / TM 27			Continental / TM 27			Continental / TM 27		
46	Continuous Power	hp		60			60			60		
47	at Speed	rpm		2,200			2,200			2,200		
48	Cylinders and Displacement	n/Liter		4/2.7			4/2.7			4/2.7		
49	Transmission			hydrostatic			hydrostatic			hydrostatic		
50	Heavy Duty Battery	V/Ah		12/88			12/88			12/88		



- 1) All platform sizes larger than 55 inches (1.400 mm) use HX 88 mast specifications
- 2) Optional LPG engine increases platform height to 35.5 inches (900 mm)



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



<b>HX 66 &amp; HX 77</b>			
up to 27.5 inches (700 mm) Load Center			
Standard Duplex Masts (2 stage): English (inches)			
LH*(h3)	CH*(h1)	EH*(h4)	FL*(h2)
130	96	162	15
157	110	190	15
177	120	209	15
196	130	229	15
216	140	249	15
236	150	269	15

<b>HX 88</b> and HX 66, HX 77,			
Load Center 31.5 inches (800 mm)			
Standard Duplex Masts (2 stage): English (inches)			
LH*(h3)	CH*(h1)	EH*(h4)	FL*(h2)
130	99	166	23
157	113	193	23
177	122	212	23
196	132	232	23
216	142	252	23
236	152	271	23

Full Freelift Duplex Masts (2 stage): English (inches)			
LH*(h3)	CH*(h1)	EH*(h4)	FFL*(h5)
130	96	162	63
157	110	190	77
177	120	209	87
196	130	229	97
216	140	249	107
236	150	269	115

Full Freelift Duplex Masts (2 stage): English (inches)			
LH*(h3)	CH*(h1)	EH*(h4)	FFL*(h5)
130	99	166	63
157	113	193	77
177	122	212	87
196	132	232	97
216	142	252	107
236	152	271	115

Triplex Masts (3 stage): English (inches)			
LH*(h3)	CH*(h1)	EH*(h4)	SFL*(h5)
177	88	209	57
200	98	233	65
224	106	257	73
236	110	269	77
248	114	280	81
260	118	292	85

Triplex Masts (3 stage): English (inches)			
LH*(h3)	CH*(h1)	EH*(h4)	SFL*(h5)
177	93	212	57
200	101	236	65
224	109	259	73
236	113	271	77
248	117	283	81
260	120	295	85

English (pounds):

Capacity at Lift Height	<b>HX 66</b>			<b>HX 77</b>			<b>HX 88</b>		
	48	55	63	48	55	63	48	55	63
130	6,600	6,600	6,600	7,700	7,700	7,700	8,800	8,800	8,800
157	6,050	6,600	6,600	7,060	7,700	7,700	8,080	8,800	8,800
177	5,500	6,000	6,500	6,430	7,000	7,500	7,370	8,000	8,100
196	4,950	5,410	5,800	5,790	6,310	6,810	6,660	7,220	7,400
216	4,400	4,820	5,200	5,150	5,620	5,980	5,940	6,420	6,690
236	3,850	4,220	4,550	4,510	4,930	5,300	5,225	5,630	5,980
248	3,520	3,860	4,150	4,120	4,520	4,900	4,810	5,180	5,560
260	3,200	3,500	3,750	3,730	4,110	4,500	4,410	4,740	5,150

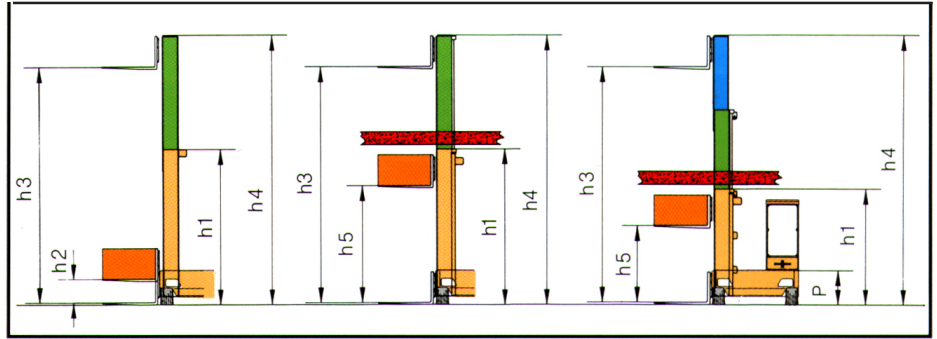
# Prime Specifications:

Metric

Description		HX 66			HX 77			HX 88				
01 Model												
02	Manufacturer	Baumann										
03	Rated Capacity	Q	kg	3.000			3.500			4.000		
04	at Load Center	c	mm	600	700	800	600	700	800	600	700	800
05	Platform Width, options	N	mm	1.200	1.400	1.600	1.200	1.400	1.600	1.200	1.400	1.600
<b>Standard Mast Type</b>												
06	Standard Lift Height	h3	mm	4.000			4.000			4.000		
07	Overall Collapsed Height	h1	mm	1) 2.780			1) 2.780			2.850		
08	Overall Extended Height	h4	mm	1) 4.810			1) 4.810			4.880		
09	Freelift	h5	mm	1) 400			1) 400			600		
10	Total Mast Travel	F	mm	1.300	1.500	1.700	1.300	1.500	1.700	1.300	1.500	1.700
<b>Forks</b>												
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			150			160		
13	Standard Thickness at Heel	s	mm	50			50			60		
14	Outside Fork Spacing, max.	d	mm	300 to 1.300			300 to 1.300			300 to 1.300		
<b>Frame/Cab</b>												
15	Total Length	L	mm	4.000			4.000			4.000		
16	Total Width	B	mm	1.950	2.150	2.350	1.950	2.150	2.350	1.950	2.150	2.350
17	Frame Cut-out (Well)	E	mm	1.370			1.370			1.370		
18	Platform Height	P	mm	2) 800			2) 800			2) 800		
19	Platform Tilt, forward/back	$\alpha$	degrees	4/4	3.5/3.5	3/3	4/4	3.5/3.5	3/3	4/4	3.5/3.5	3/3
20	Height of Cab	H	mm	2.435			2.435			2.435		
<b>Aisle Requirements</b>												
21	Turning Radius, inner	R	mm	351			351			351		
22	Turning Radius, outer	W	mm	3.830	3.950	4.070	3.830	3.950	4.070	3.830	3.950	4.070
23	Working Aisle Width	A	mm	2.150	2.350	2.550	2.150	2.350	2.550	2.150	2.350	2.550
24	90° Intersecting Aisle Width	G	mm	3.753	3.873	3.993	3.753	3.873	3.993	3.753	3.873	3.993
<b>Weights and Wheels</b>												
25	Weight, empty	kg		5.060	5.210	5.360	5.560	5.710	5.860	6.060	6.210	6.360
26	Axle Load, front, laden	kg		3.870	4.940	4.012	4.360	4.420	4.490	4.830	4.900	4.970
27	Axle Load, rear, laden	kg		4.190	4.270	4.348	4.700	4.790	4.870	5.230	5.310	5.390
28	Tire Size (2 Drive/2 Steer)	mm		7.00 - 12			27 x 10 - 12			27 x 10 - 12		
29	Wheel Base	y	mm	2.520			2.520			2.520		
30	Front Overhang	z	mm	600			600			600		
31	Track Width, front/rear	Sp1/Sp2	mm	1.640/1.690	1.840/1.890	2.040/2.090	1.640/1.690	1.840/1.890	2.040/2.090	1.640/1.690	1.840/1.890	2.040/2.090
32	Ground Clearance below Mast	mm		200			200			200		
<b>Performance</b>												
33	Travel Speed, laden/empty	km/h		20/23			20/23			20/23		
34	Lift Speed, laden/empty	m/sec		0,30/0,40			0,30/0,40			0,30/0,40		
35	Lowering Speed, laden/empty	m/sec		0,40/0,36			0,40/0,36			0,40/0,36		
36	Mast Traverse Speed	m/sec		0,30			0,30			0,30		
37	Max. Drawbar Pull	kg		2.100			2.100			2.100		
38	Max. Gradient, laden/empty	%		16/23			15/22			14/20		
39	Service Brake (foot)	four - wheel power brakes plus hydrostatic braking										
40	Parking Brake (hand)	electrically actuated, brakes both drive wheels										
<b>Engines and Transmission</b>												
41	Diesel Engine (Make/Model)	Perkins / 704 - 30			Perkins / 704 - 30			Perkins / 704 - 30				
42	Continuous Power	hp/KW		64/47			64/47			64/47		
43	at Speed	rpm		2.600			2.600			2.600		
44	Cylinders and Displacement	n/Liter		4/3.0			4/3.0			4/3.0		
45	LPG Engine (Make/Model) <sup>3)</sup>	optional		Continental / TM 27			Continental / TM 27			Continental / TM 27		
46	Continuous Power	hp/KW		60/44			60/44			60/44		
47	at Speed	rpm		2.200			2.200			2.200		
48	Cylinders and Displacement	n/Liter		4/2,7			4/2,7			4/2,7		
49	Transmission	hydrostatatic										
50	Heavy Duty Battery	V/Ah		12/88			12/88			12/88		

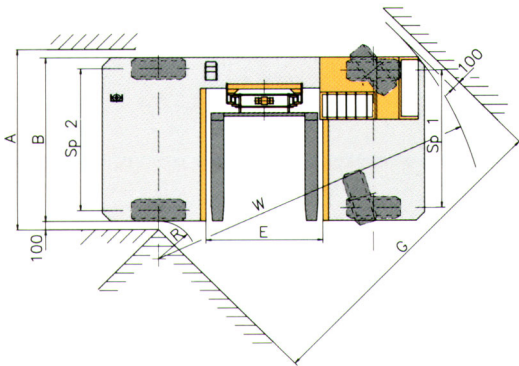
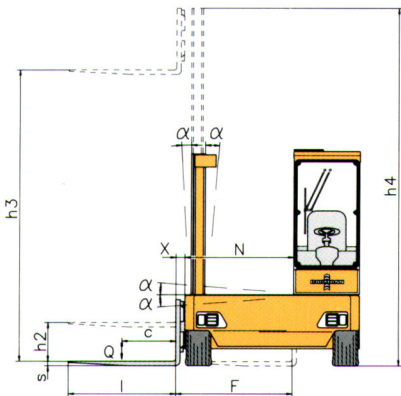
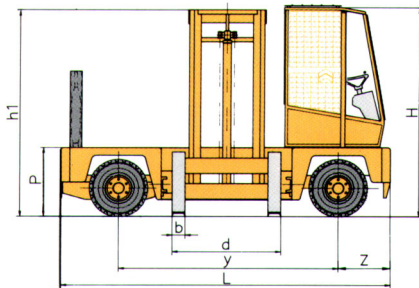


- 1) All platform sizes larger than 1.400 mm (55 inches) use HX 88 mast specifications
- 2) Optional LPG engine increases platform height to 900 mm (35.5 inches)



\* Legend to masts:

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



<b>HX 66 &amp; HX 77</b>			
up to 27.5 inches (700 mm) Load Center			
<i>Standard Duplex Masts (2 stage):</i>			
<i>Metric (mm)</i>			
LH*(h3)	CH*(h1)	EH*(h4)	FL*(h2)
3.300	2.430	4.110	400
4.000	2.780	4.810	400
4.500	3.030	5.310	400
5.000	3.280	5.810	400
5.500	3.530	6.310	400
6.000	3.780	6.810	400

<b>HX 88 and HX 66, HX 77,</b>			
Load Center 31.5 inches (800 mm)			
<i>Standard Duplex Masts (2 stage):</i>			
<i>Metric (mm)</i>			
LH*(h3)	CH*(h1)	EH*(h4)	FL*(h2)
3.300	2.500	4.180	400
4.000	2.850	4.880	400
4.500	3.100	5.380	400
5.000	3.350	5.880	400
5.500	3.600	6.380	400
6.000	3.850	6.880	400

<i>Full Freelift Duplex Masts (2 stage):</i>			
<i>Metric (mm)</i>			
LH*(h3)	CH*(h1)	EH*(h4)	FFL*(h5)
3.300	2.430	4.110	1.620
4.000	2.780	4.810	1.970
4.500	3.030	5.310	2.220
5.000	3.280	5.810	2.470
5.500	3.530	6.310	2.720
6.000	3.780	6.810	2.970

<i>Full Freelift Duplex Masts (2 stage):</i>			
<i>Metric (mm)</i>			
LH*(h3)	CH*(h1)	EH*(h4)	FFL*(h5)
3.300	2.500	4.180	1.620
4.000	2.850	4.880	1.970
4.500	3.100	5.380	2.220
5.000	3.350	5.880	2.470
5.500	3.600	6.380	2.720
6.000	3.850	6.880	2.920

<i>Triplex Masts (3 stage):</i>			
<i>Metric (mm)</i>			
LH*(h3)	CH*(h1)	EH*(h4)	SFL*(h5)
4.500	2.280	5.310	1.470
5.100	2.480	5.910	1.670
5.700	2.680	6.510	1.870
6.000	2.780	6.810	1.970
6.300	2.880	7.110	2.070
6.600	2.980	7.410	2.170

<i>Triplex Masts (3 stage):</i>			
<i>Metric (mm)</i>			
LH*(h3)	CH*(h1)	EH*(h4)	SFL*(h5)
4.500	2.350	5.380	1.470
5.100	2.550	5.980	1.670
5.700	2.750	6.580	1.870
6.000	2.850	6.880	1.970
6.300	2.950	7.180	2.070
6.600	3.050	7.480	2.170

*Metric (kg):*

Capacity at Lift Height	<b>HX 66</b>			<b>HX 77</b>			<b>HX 88</b>		
	1.200	1.400	1.600	1.200	1.400	1.600	1.200	1.400	1.600
3.300	3.000	3.000	3.000	3.500	3.500	3.500	4.000	4.000	4.000
4.000	2.750	3.000	3.000	3.210	3.500	3.500	3.675	4.000	4.000
4.500	2.500	2.730	2.955	2.920	3.185	3.400	3.350	3.640	3.680
5.000	2.250	2.460	2.635	2.630	2.870	3.100	3.025	3.280	3.360
5.500	2.000	2.190	2.360	2.340	2.555	2.720	2.700	2.920	3.040
6.000	1.750	1.920	2.065	2.050	2.240	2.400	2.375	2.560	2.720
6.300	1.600	1.755	1.885	1.870	2.050	2.225	2.185	2.350	2.525
6.600	1.450	1.590	1.700	1.695	1.865	2.045	2.000	2.150	2.340