

Technical Original Documentation

TZ12/TL12

TZ18



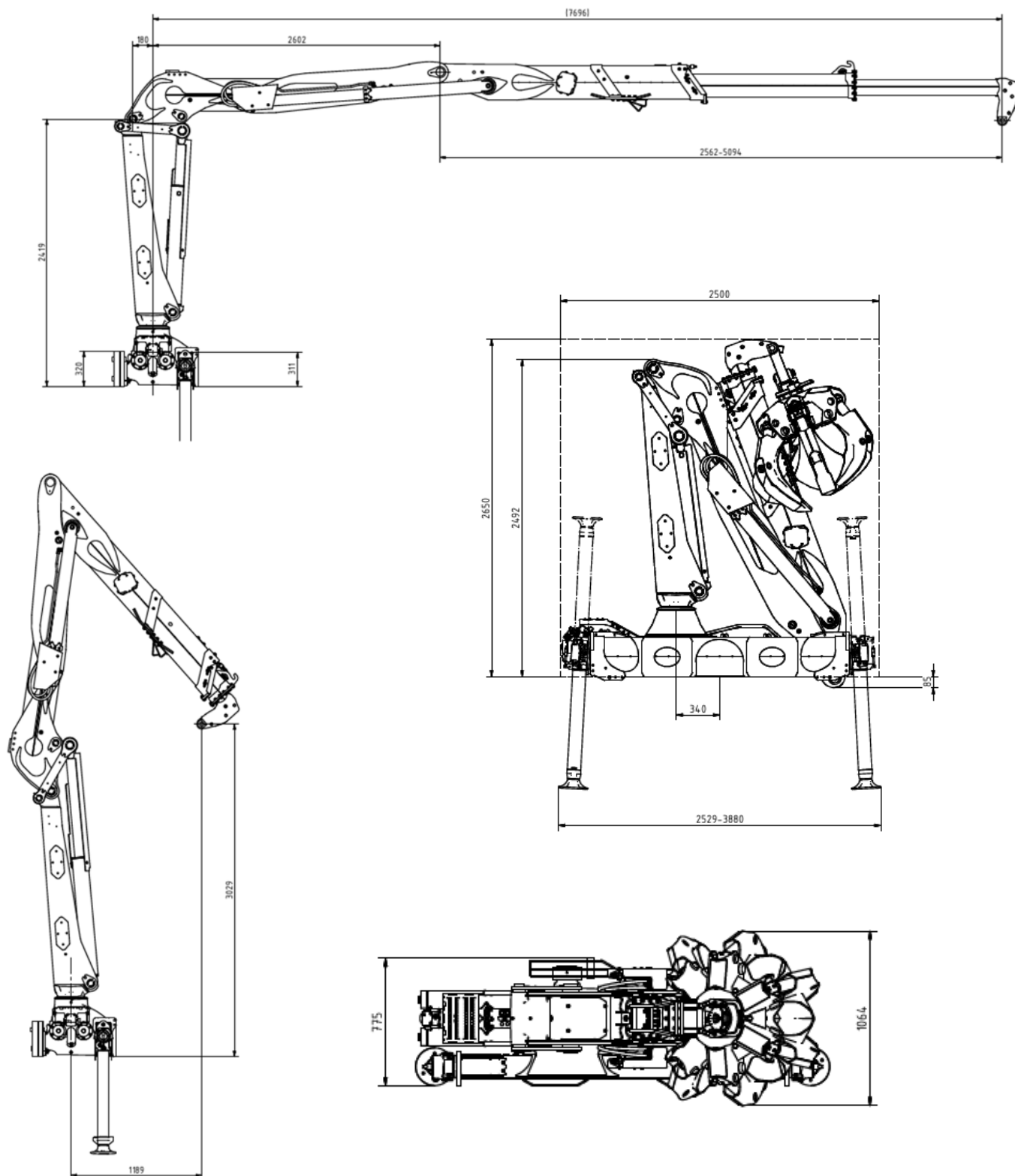
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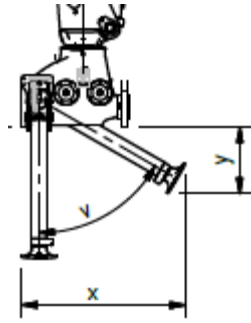
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Specification

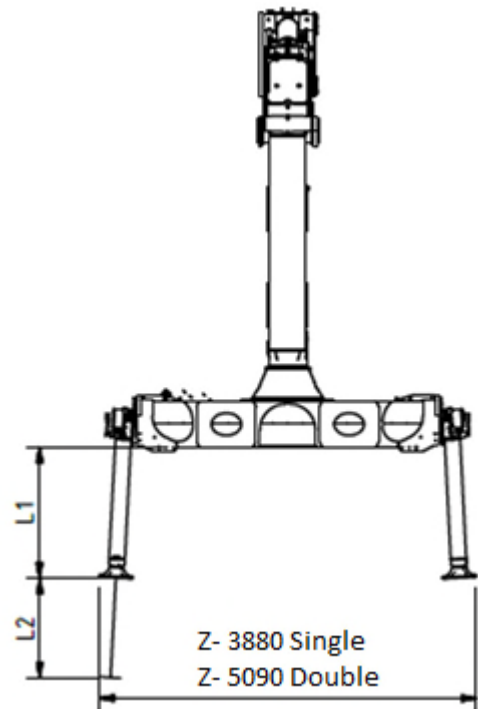
TZ12.2 7,7





Support leg (length) and folding (degrees)

L1 (mm)	L2	V (°)	X	Y	Z
880	670	30°	743	789	2225
880	670	45°	945	640	2510
880	670	60°	1085	440	2489
960	750	30°	782	858	2530
960	750	45°	1000	700	2515
960	750	60°	1160	480	2490



Data

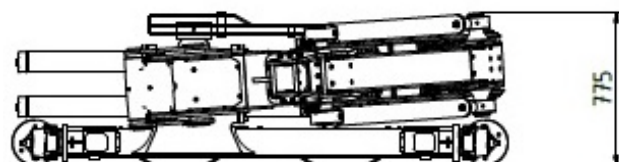
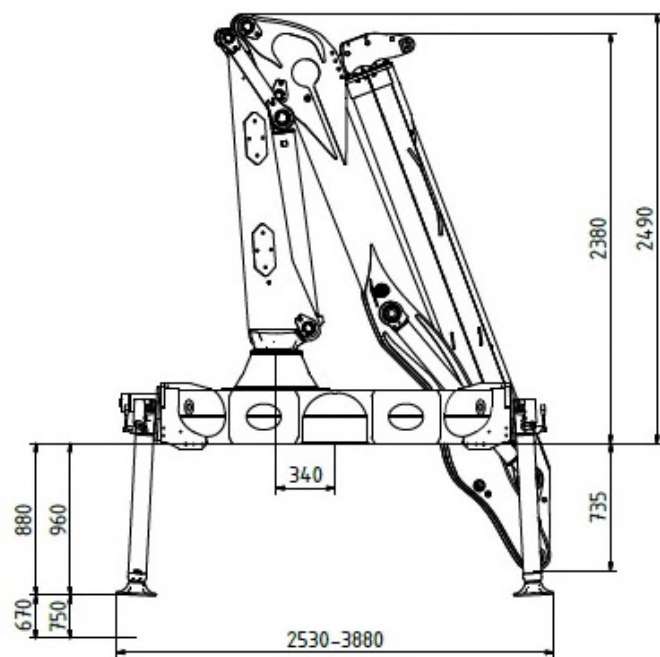
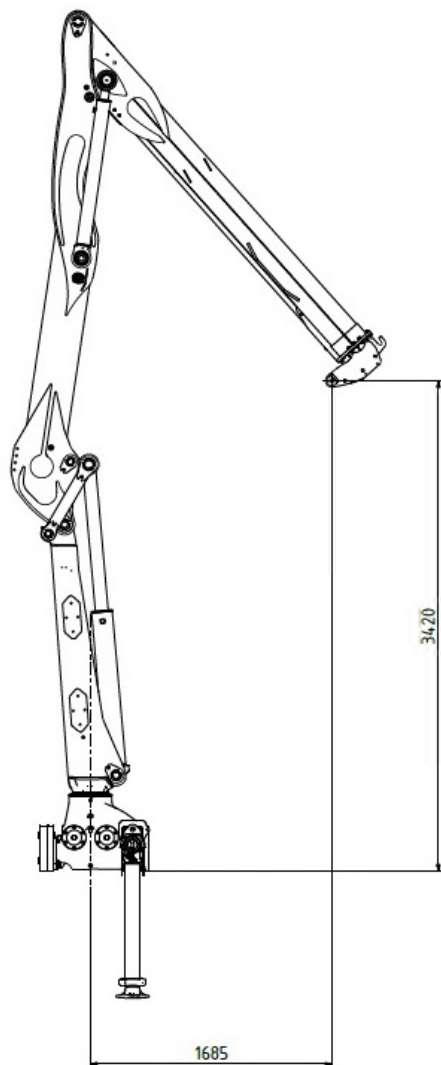
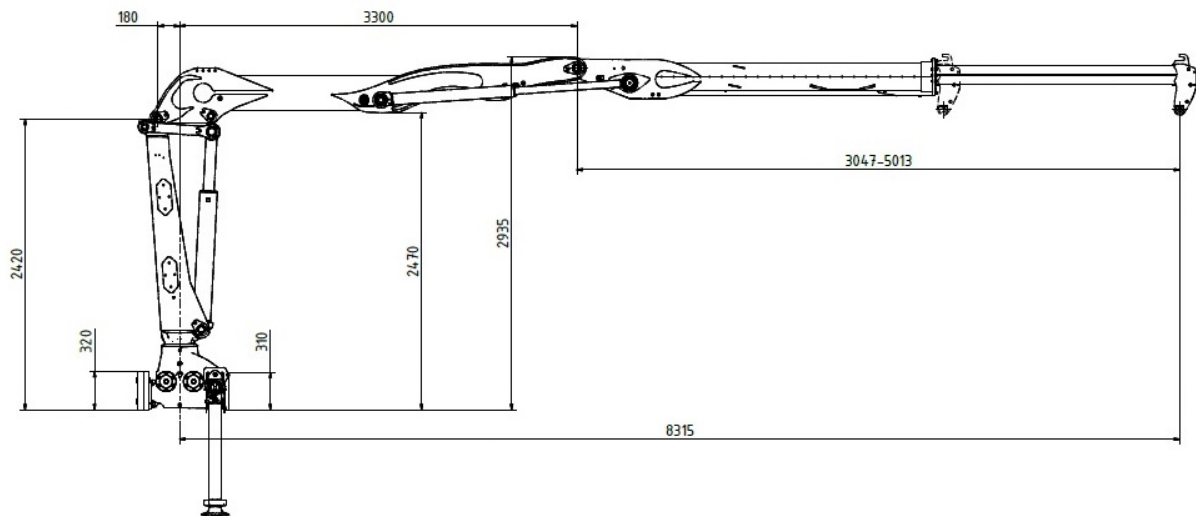
TZ12	 (kNm)	 (m)	 (m)	 (°)	 (kNm)	 (MPa)	 (l/min) LS	 (l/min) 1-K	 (l/min) 2-K	 (kg) *
7,7	110,5	7,7	2,53	425	29,3	26	120-160	80-100	2x70	2450

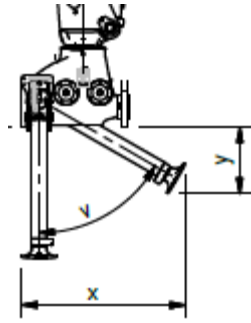
*=Weight with top seat

Lifting force

Reach (m)	Lifting force (kg) 7,7
7	1530
6	1830
5	2200
4	2570
3	3200
2	4500

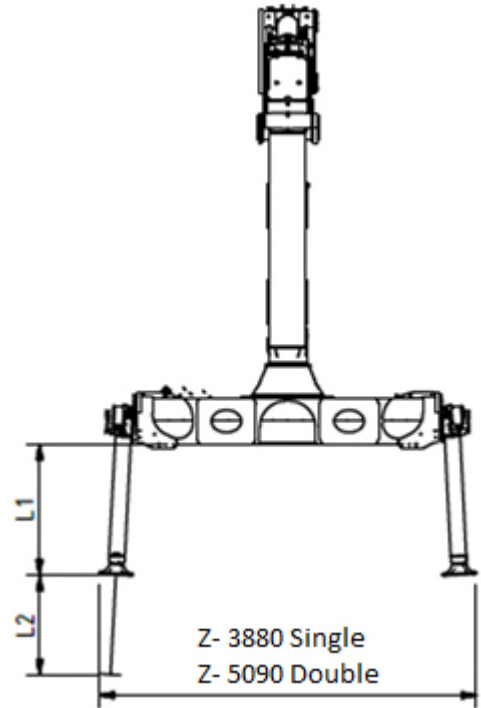
TZ12.1 8,3





Support leg (length) and folding (degrees)

L1 (mm)	L2	V (°)	X	Y	Z
880	670	30°	743	789	2225
880	670	45°	945	640	2510
880	670	60°	1085	440	2489
960	750	30°	782	858	2530
960	750	45°	1000	700	2515
960	750	60°	1160	480	2490



Data

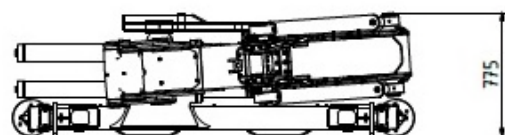
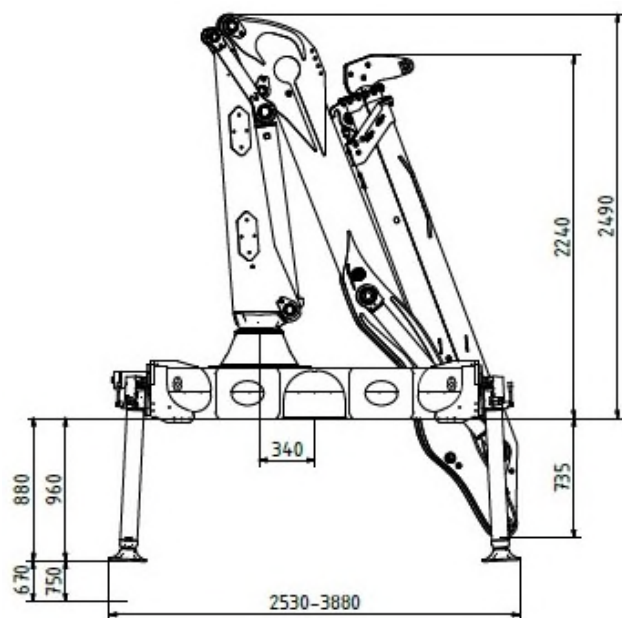
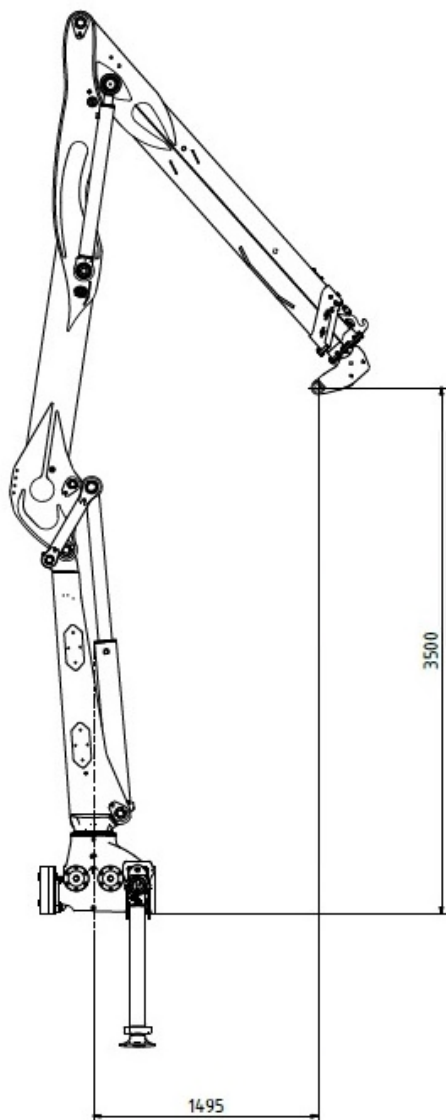
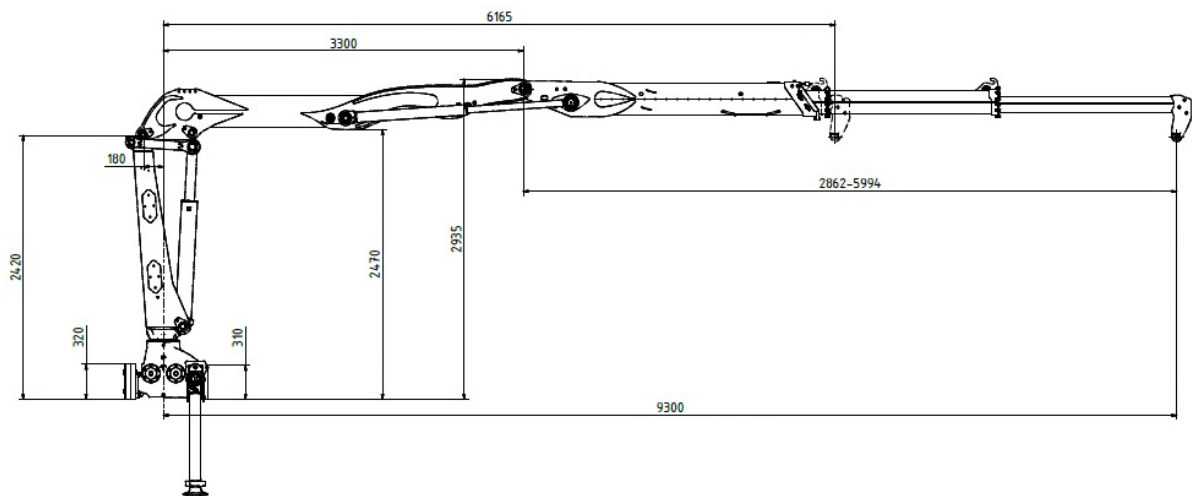
TZ12	 (kNm)	 (m)	 (m)	 (°)	 (kNm)	 (MPa)	 (l/min) LS	 (l/min) 1-K	 (l/min) 2-K	 (kg) *
8,3	108	8,3	1,97	425	29,3	26	120-160	80-100	2x70	2425

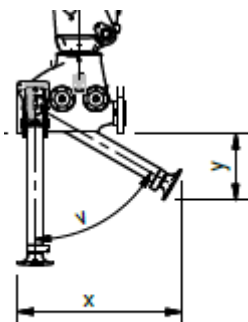
*=Weight with top seat

Lifting force

Reach (m)	Lifting force (kg) 8,3
8	1300
7	1510
6	1750
5	2005
4	2390
3	3090

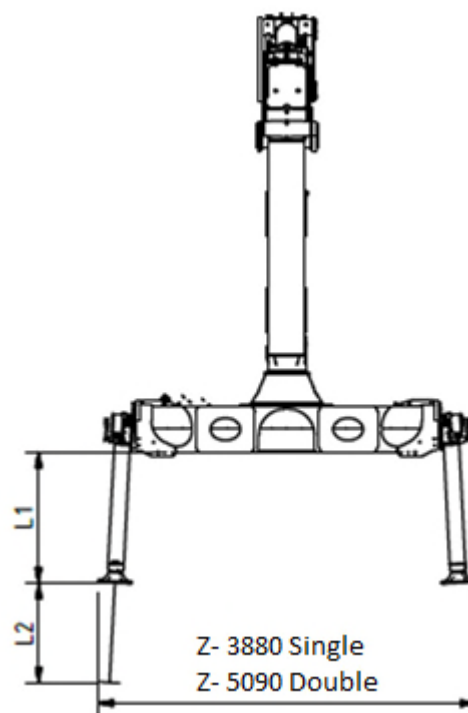
TZ12.2 9,3





Support leg (length) and folding (degrees)

	L2	V (°)	X	Y	Z
880	670	30°	743	789	2225
880	670	45°	945	640	2510
880	670	60°	1085	440	2489
960	750	30°	782	858	2530
960	750	45°	1000	700	2515
960	750	60°	1160	480	2490



Data

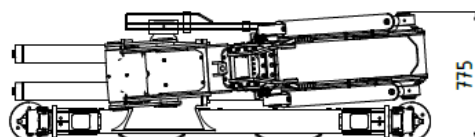
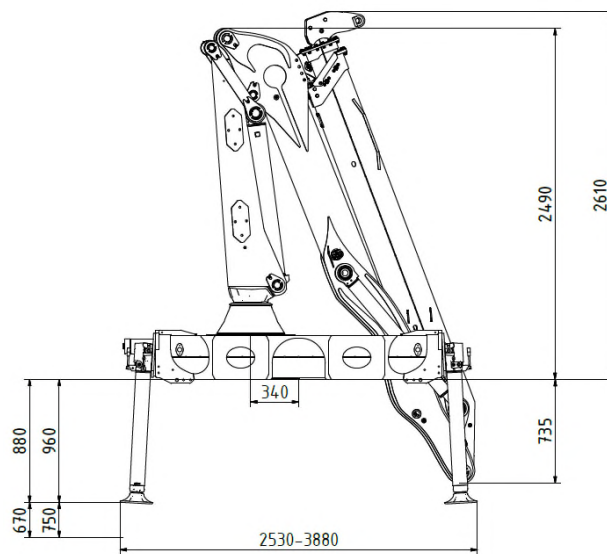
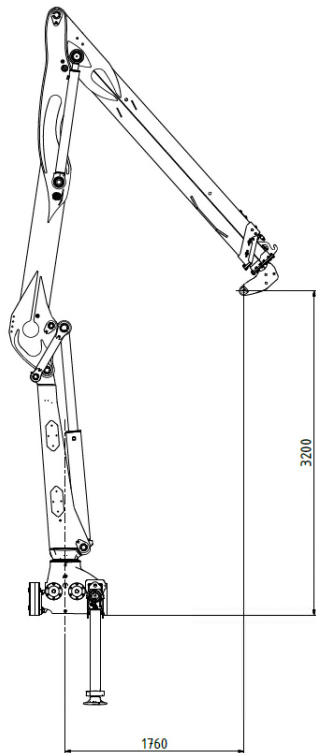
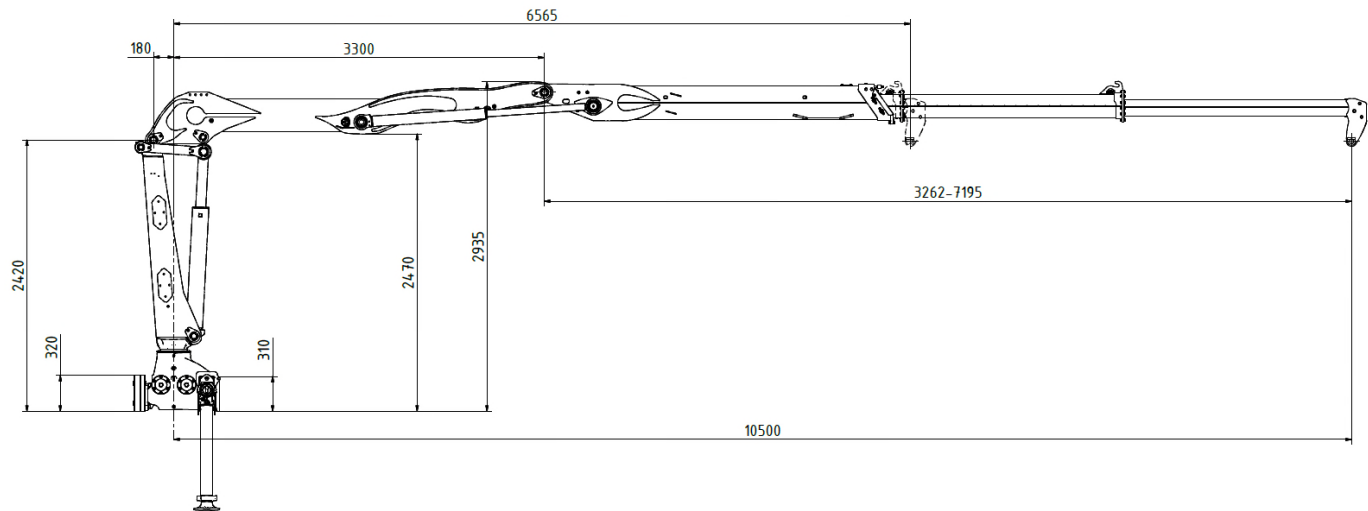
TZ12											
	(kNm)	(m)	(m)	(°)	(kNm)	(Mpa)	(l/min) LS	(l/min) 1-K	(l/min) 2-K	(kg) *	
9,3	102,8	9,3	3,1	425	29,3	26	120-160	80-100	2x70	2475	

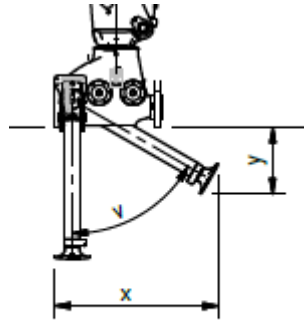
*=Weight with top seat

Lifting force

Reach (m)	Lifting force (kg) 9,3
9	1100
8	1260
7	1470
6	1730
5	1930
4	2380
3	3080

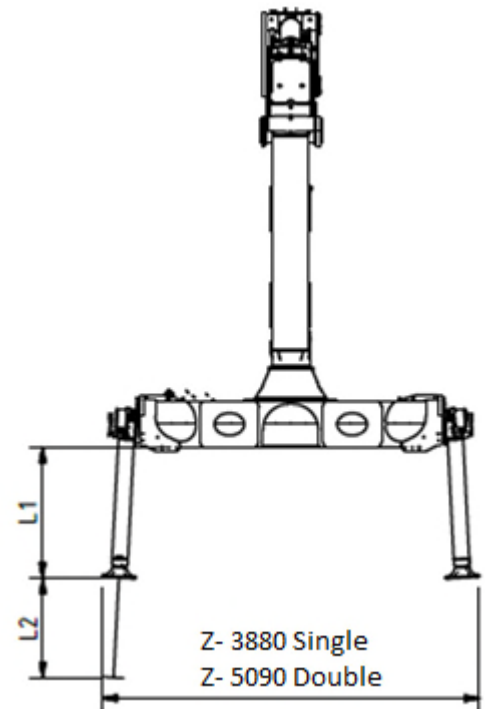
TZ12.2 10,5





Support leg (length) and folding (degrees)

L1 (mm)	L2	V (°)	X	Y	Z
880	670	30°	743	789	2225
880	670	45°	945	640	2510
880	670	60°	1085	440	2489
960	750	30°	782	858	2530
960	750	45°	1000	700	2515
960	750	60°	1160	480	2490



Data

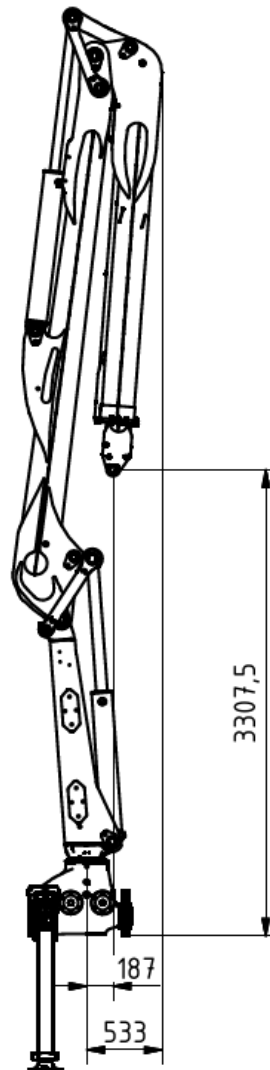
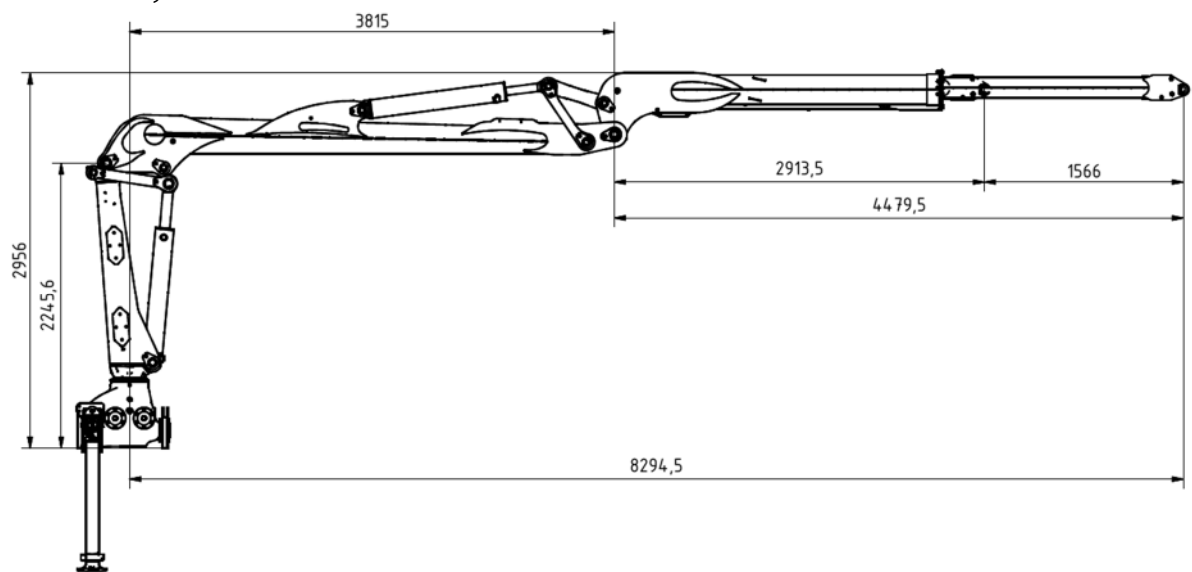
TZ12	(kNm)	(m)	(m)	(°)	(kNm)	(MPa)	(l/min) LS	(l/min) 1-K	(l/min) 2-K	(kg) *
10,5	99,7	10,5	3,9	425	29,3	26	120-160	80-100	2x70	2515

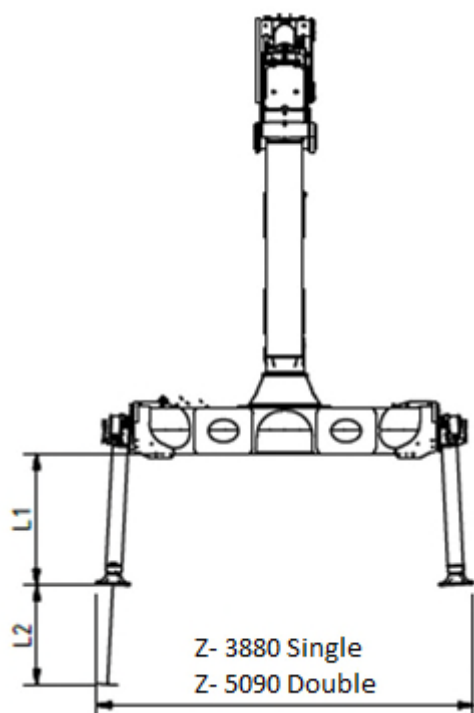
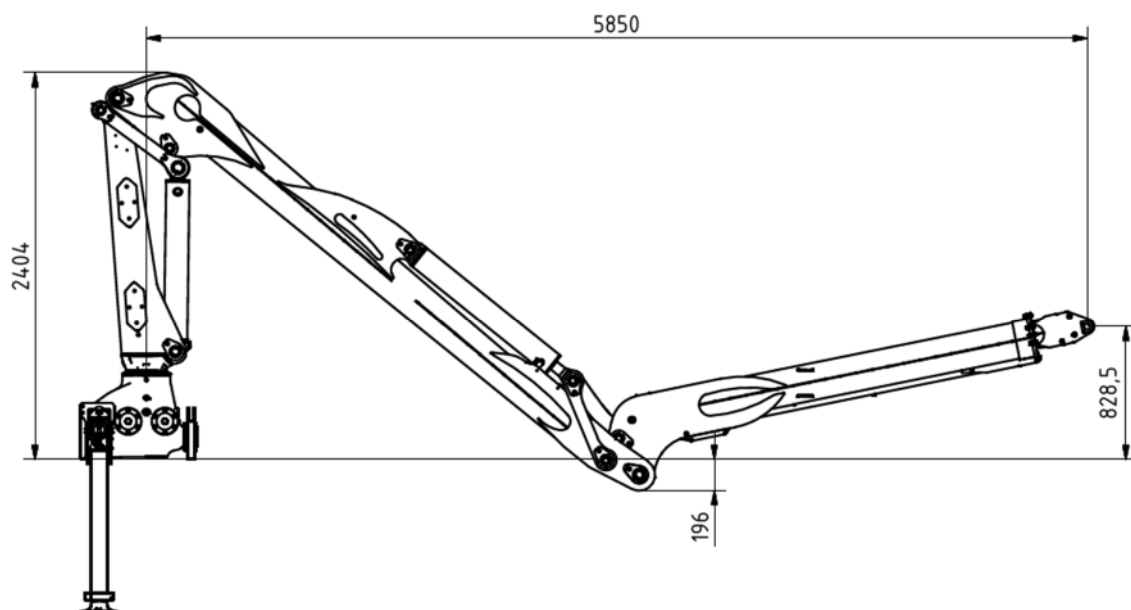
*=Weight with top seat

Lifting force

Reach (m)	Lifting force (kg) 10,5
10	900
9	1050
8	1230
7	1430
6	1650
5	1870
4	2250
3	2880

TL12.1 8,3





Support leg (length) and folding (degrees)

L1 (mm)	L2	V (°)	X	Y	Z
880	670	30°	743	789	2225
880	670	45°	945	640	2510
880	670	60°	1085	440	2489
960	750	30°	782	858	2530
960	750	45°	1000	700	2515
960	750	60°	1160	480	2490

Lifting force

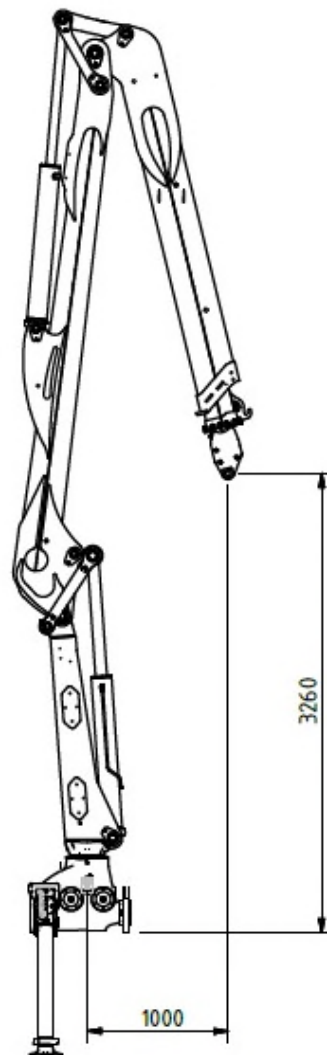
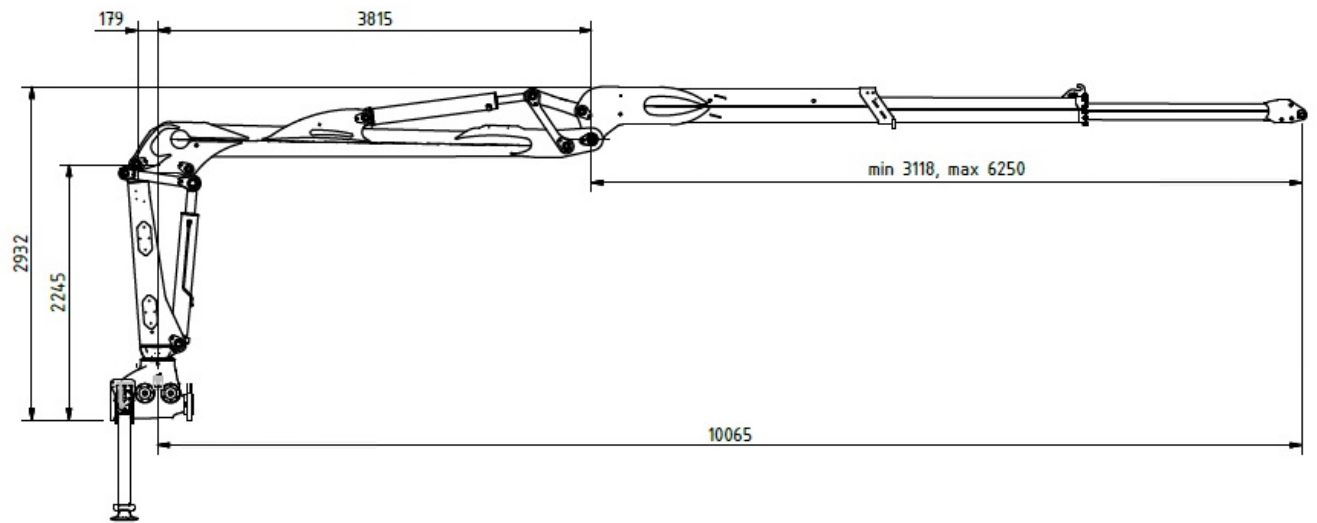
Reach (m)	Lifting force (kg)
8	1380
7	1630
6	1940
5	2320
4	2900
3	3500

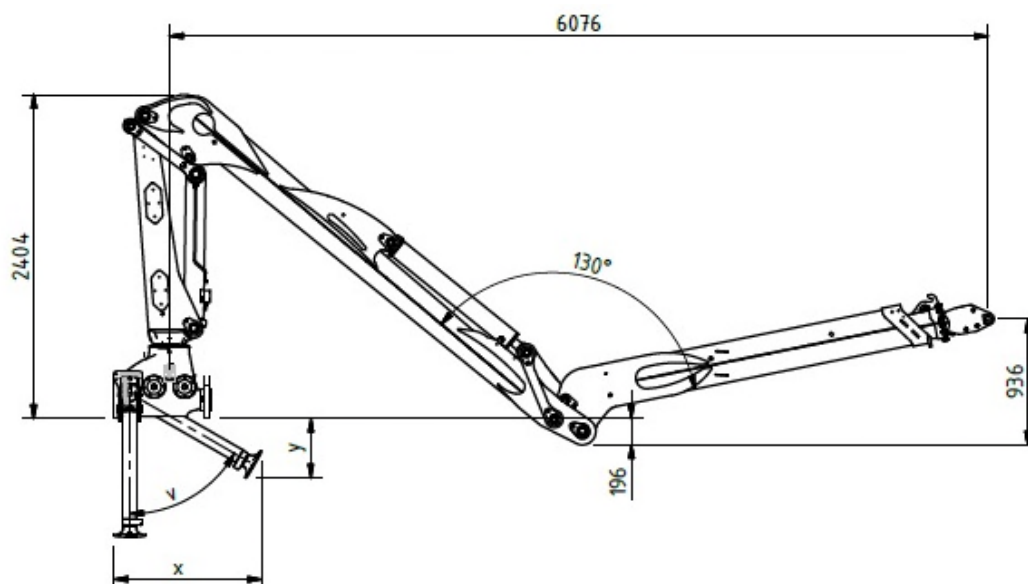
Data

TL12	 (kNm)	 (m)	 (m)	 (°)	 (kNm)	 (MPa)	 LS (l/min)	 1-K (l/min)	 2-K (l/min)	 (kg) *
8,3	115	8,3	1,57	425	29,3	26	120-160	80-100	2x70	2415

*=Weight with top seat

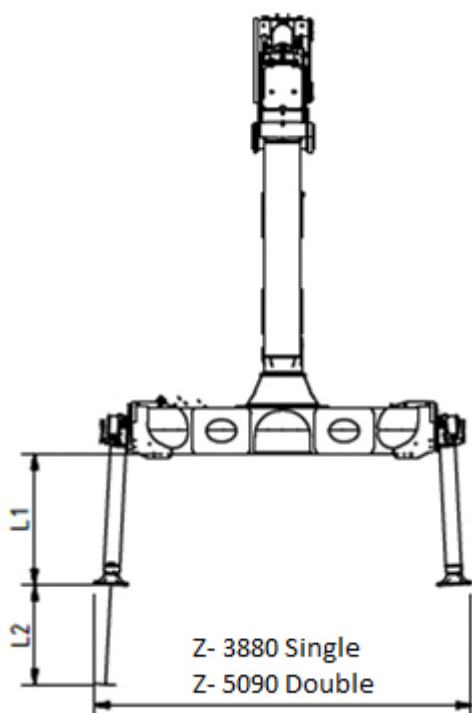
TL12.2 10,0





Support leg (length) and folding (degrees)

L1 (mm)	L2	V (°)	X	Y	Z
880	670	30°	743	789	2225
880	670	45°	945	640	2510
880	670	60°	1085	440	2489
960	750	30°	782	858	2530
960	750	45°	1000	700	2515
960	750	60°	1160	480	2490



Lifting force

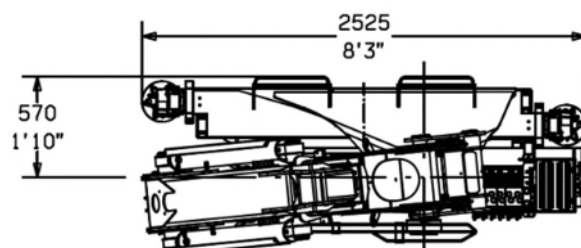
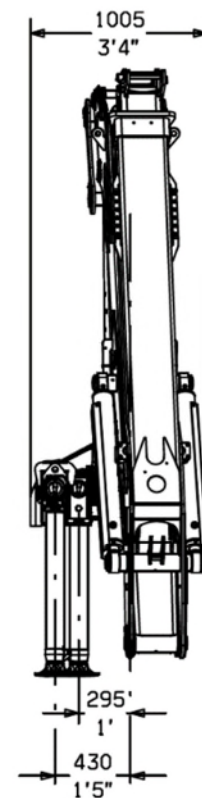
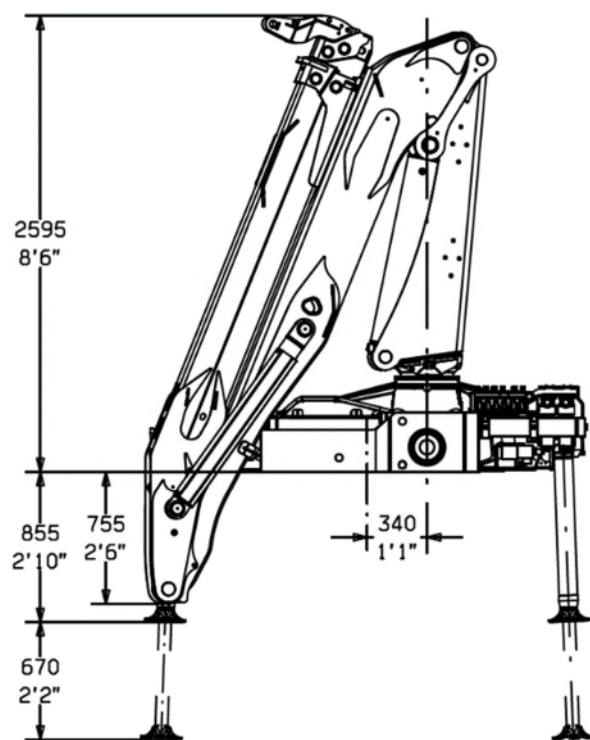
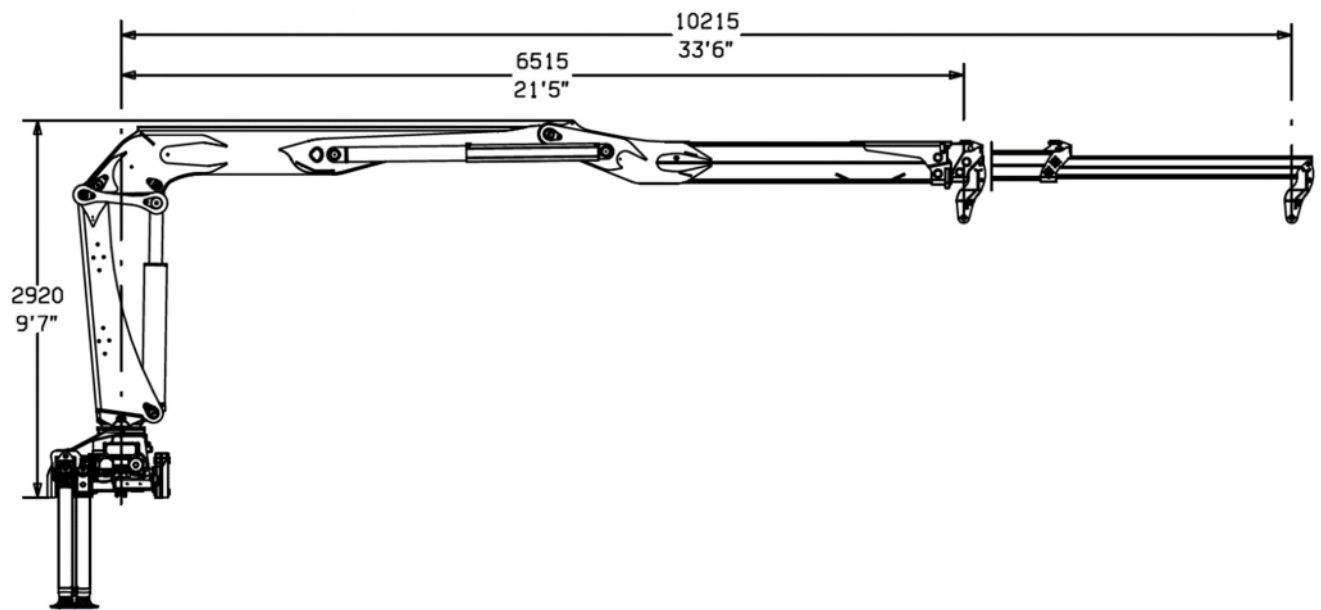
Reach (m)	Lifting force (kg)
10	970
9	1130
8	1300
7	1500
6	1810
5	2100
4	2600
3	3300

Data

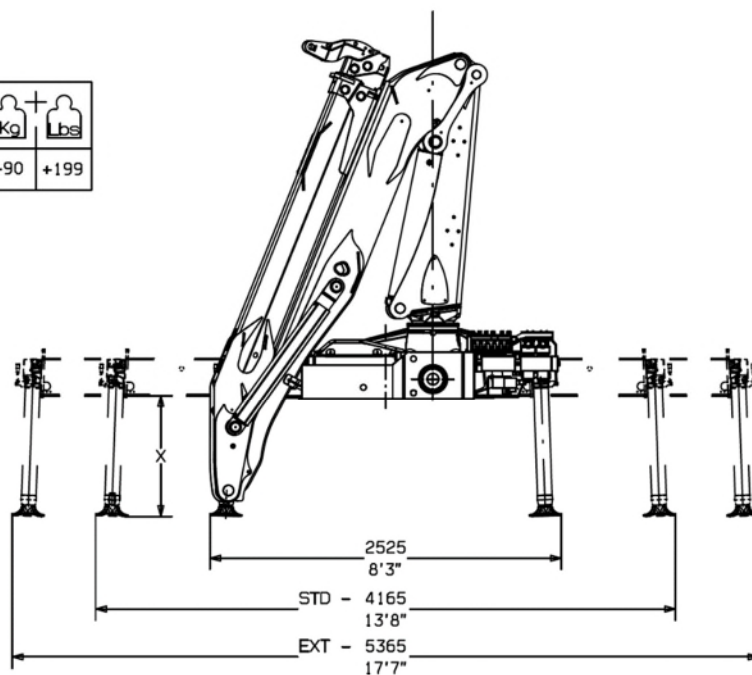
TL12	 (kNm)	 (m)	 (m)	 (°)	 (kNm)	 (MPa)	 (l/min) LS	 (l/min) 1-K	 (l/min) 2-K	 (kg) *
10,0	106,4	10	3,1	425	29,3	26	120-160	80-100	2x70	2535

*=Weight with top seat

TZ18.2 10,2

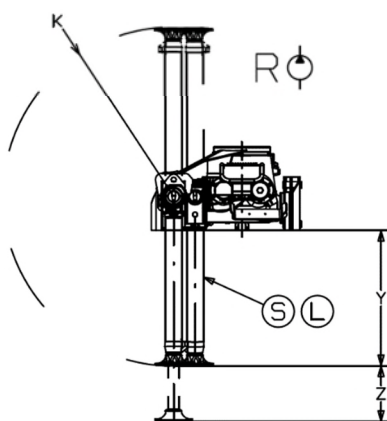


		Kg	Lbs
EXT	⊕	+90	+199



		Kg	Lbs
Ⓛ	R	+8	+16
Ⓢ	R	+30	+66
Ⓛ	R	+38	+83

	X	Y	Z	K
Ⓢ	875/2'10"	855/2'10"	670/2'2"	1075/3'6"
Ⓛ	955/3'2"	935/3'1"	750/2'6"	1155/3'9"



Data

TZ18	 (kNm)	 (m)	 (m)	 (°)	 (kNm)	 (Mpa)	 (l/min) LS	 (l/min) 1-K	 (l/min) 2-K	 (kg) *
10,2	170	10,2	3,7	425	29,3	26	120-160	80-100	2x70	3050

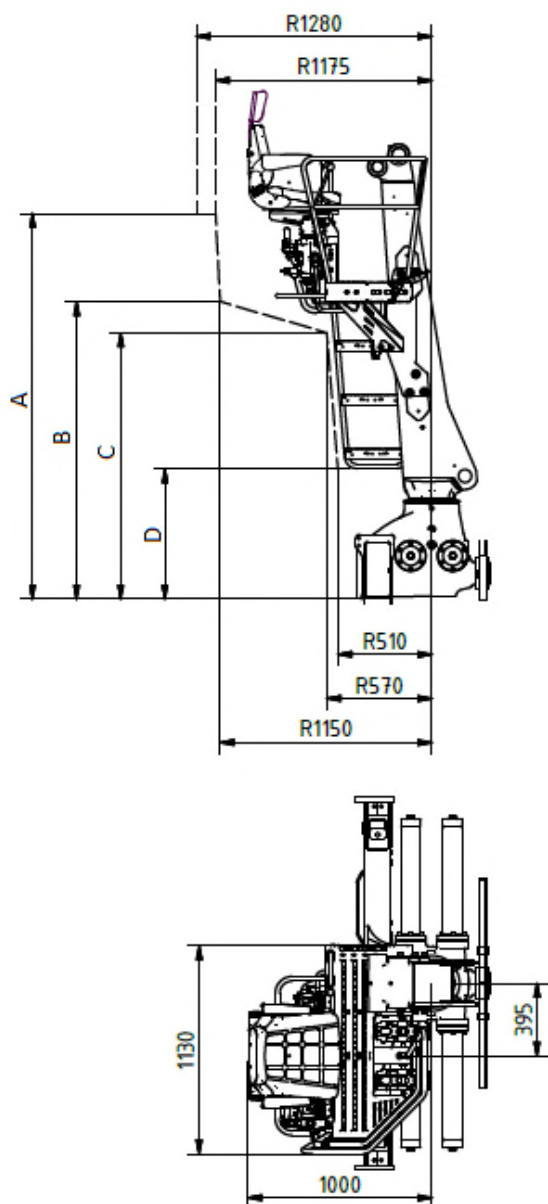
*=Weight with top seat

Lifting force

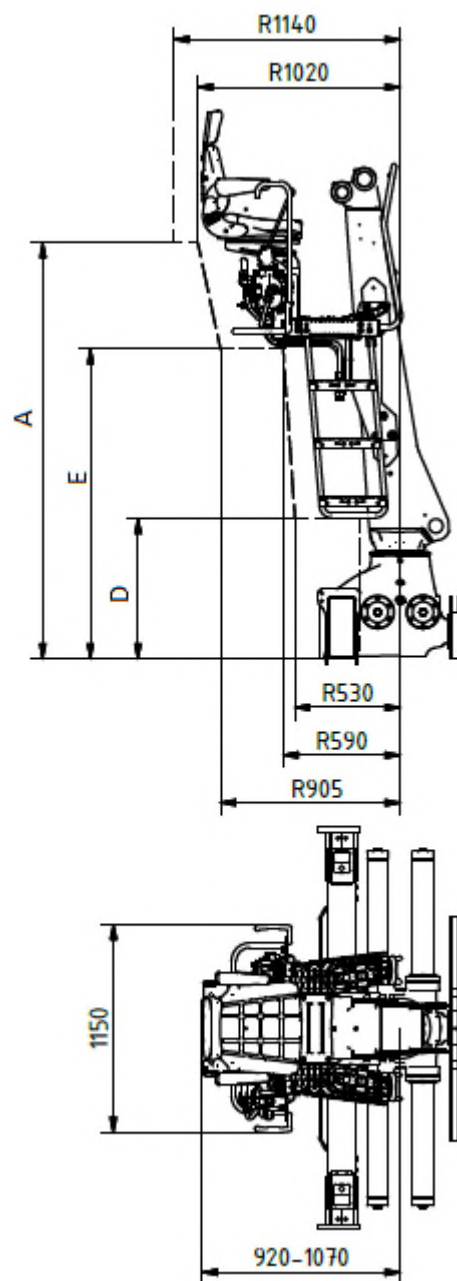
Reach (m)	Lifting force (kg) 10,2
10	1665
9	1850
8	2100
7	2400
6	2900
5	3500
4	4300
3	5500

Open top seat TZ12 / TL12

Side mounted top seat

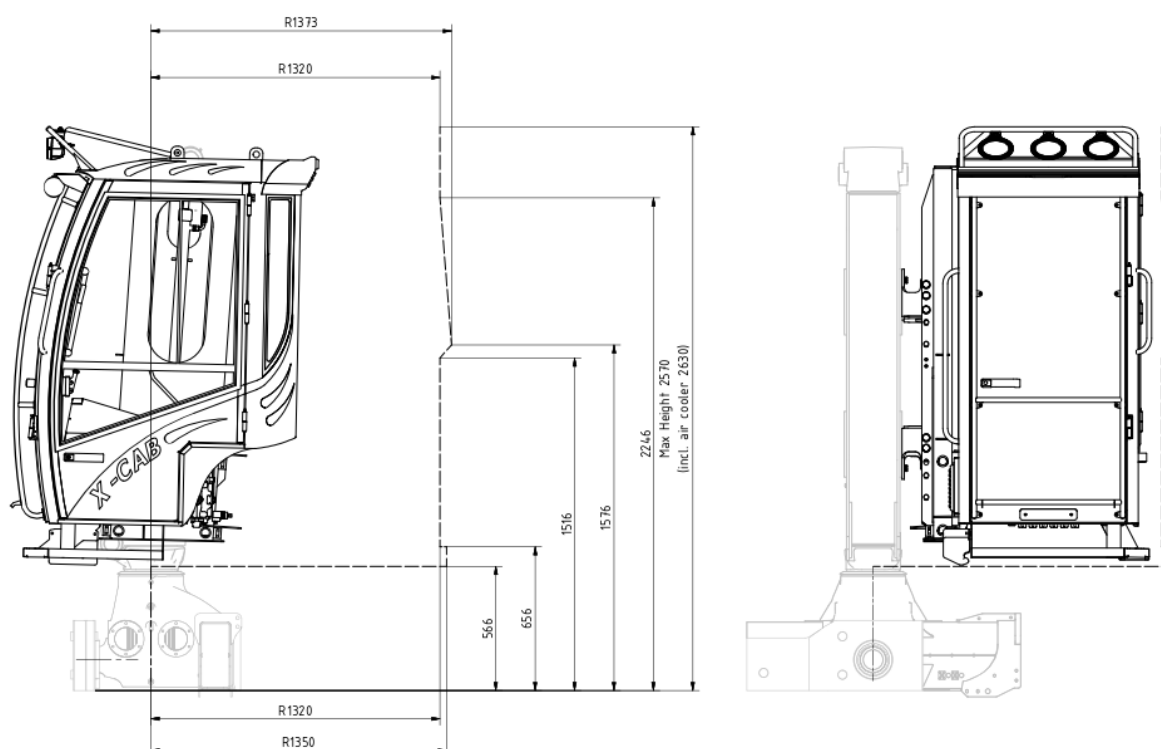


Centre mounted top seat

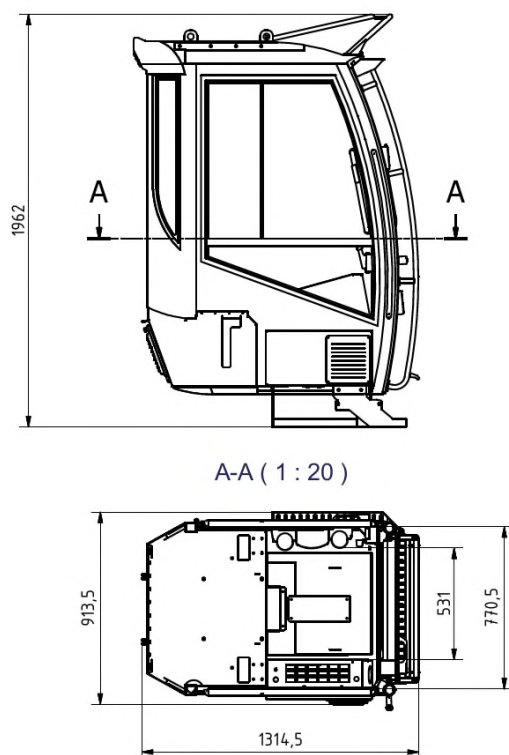


	A	B	C	D	E
TZ12	2099 mm	1620 mm	1450 mm	709 mm	1564 mm
TL12	1926 mm	1447 mm	1277 mm	789 mm	1391 mm

CAB TZ12/TL12



Cab measures



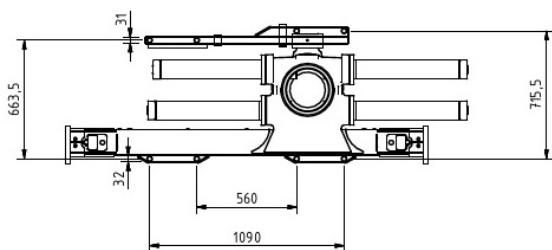
Cab weight

Cab + Crane TZ12.2 10.5m	2915 kg
Cab + Crane TZ12.2 9,3m	2875 kg
Cab + Crane TZ12.1 8,3m	2825 kg
Cab + Crane TZ12.1 7,7m	2850 kg
Cab + Crane TL12.2 10m	2935 kg
Cab + Crane TL12.2 8,3m	2815 kg

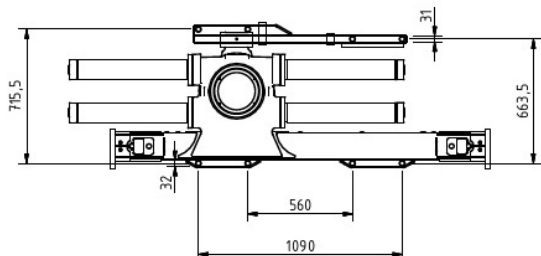
Mounting dimension TZ12 / TL12

3,9m base

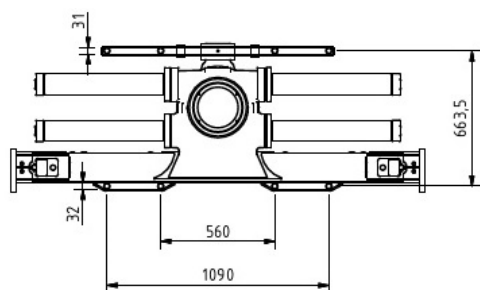
Left position of pillar



Right position of pillar

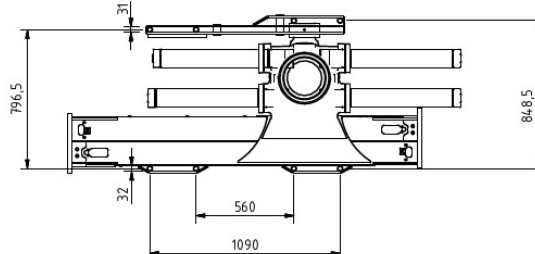


Centre position of pillar

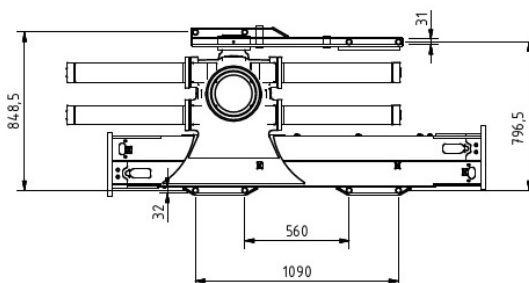


5,1m base

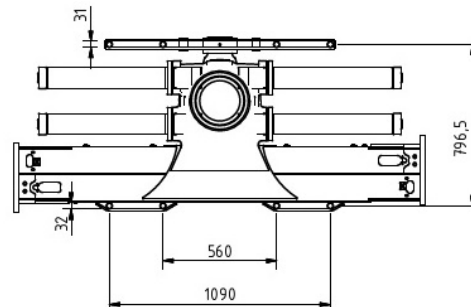
Left position of pillar



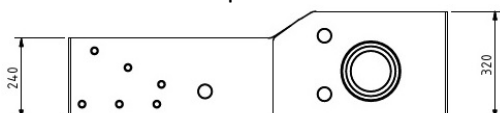
Right position of pillar



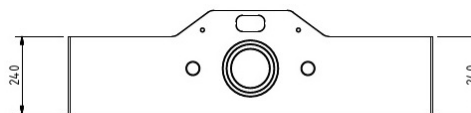
Centre position of pillar



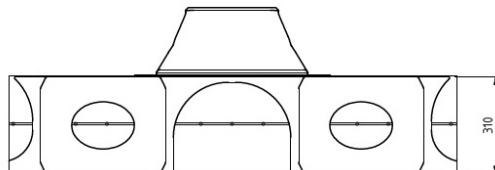
Three-point yoke. Left and right position of pillar



Three-point yoke. Centre position of pillar

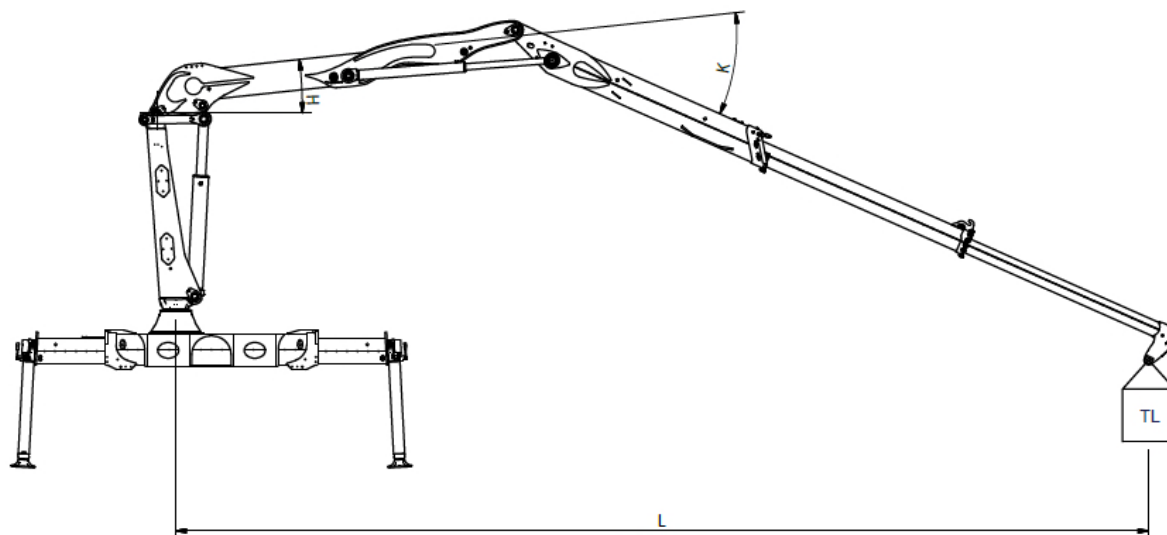


Stabilizer beam height



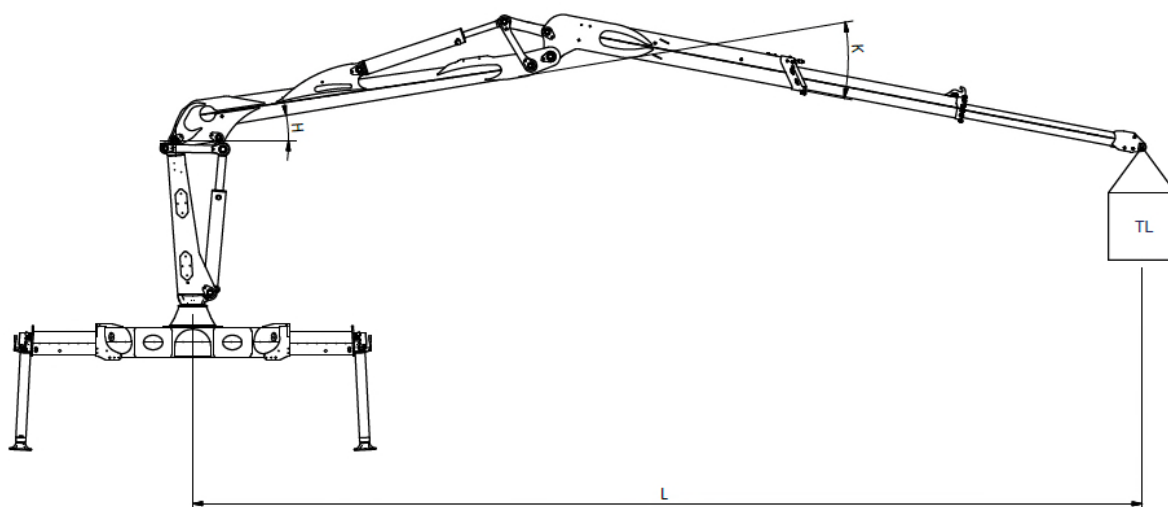
Static load test

TZ12



Model	H(deg)	K(deg)	TL (kg) Timber	TL (kg) Recycling	L (m)
TZ12.2 7,7	6	30	1800	1995	7,02
TZ12.1 8,3	6	30	1815	2015	7,68
TZ12.2 9,3	6	30	1480	1650	8,53
TZ12.2 10,5	6	30	1170	1315	9,63

TL12

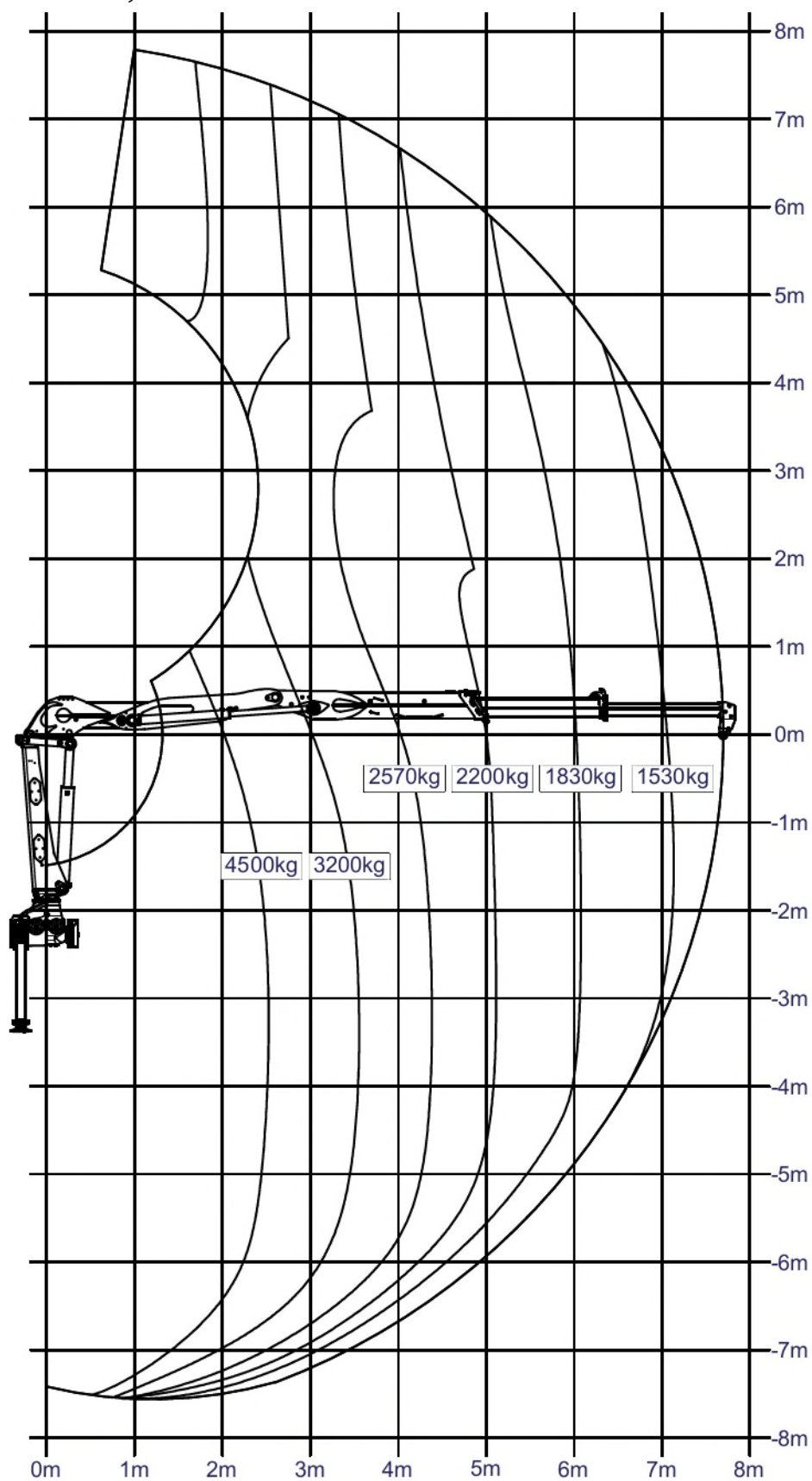


Model	H(deg)	K(deg)	TL (kg) Timber	TL (kg) recycling	L (m)
TL12.1 8,3	9	20	1555	N/A	8,19
TL12.2 10,0	9	20	1105	N/A	9,88

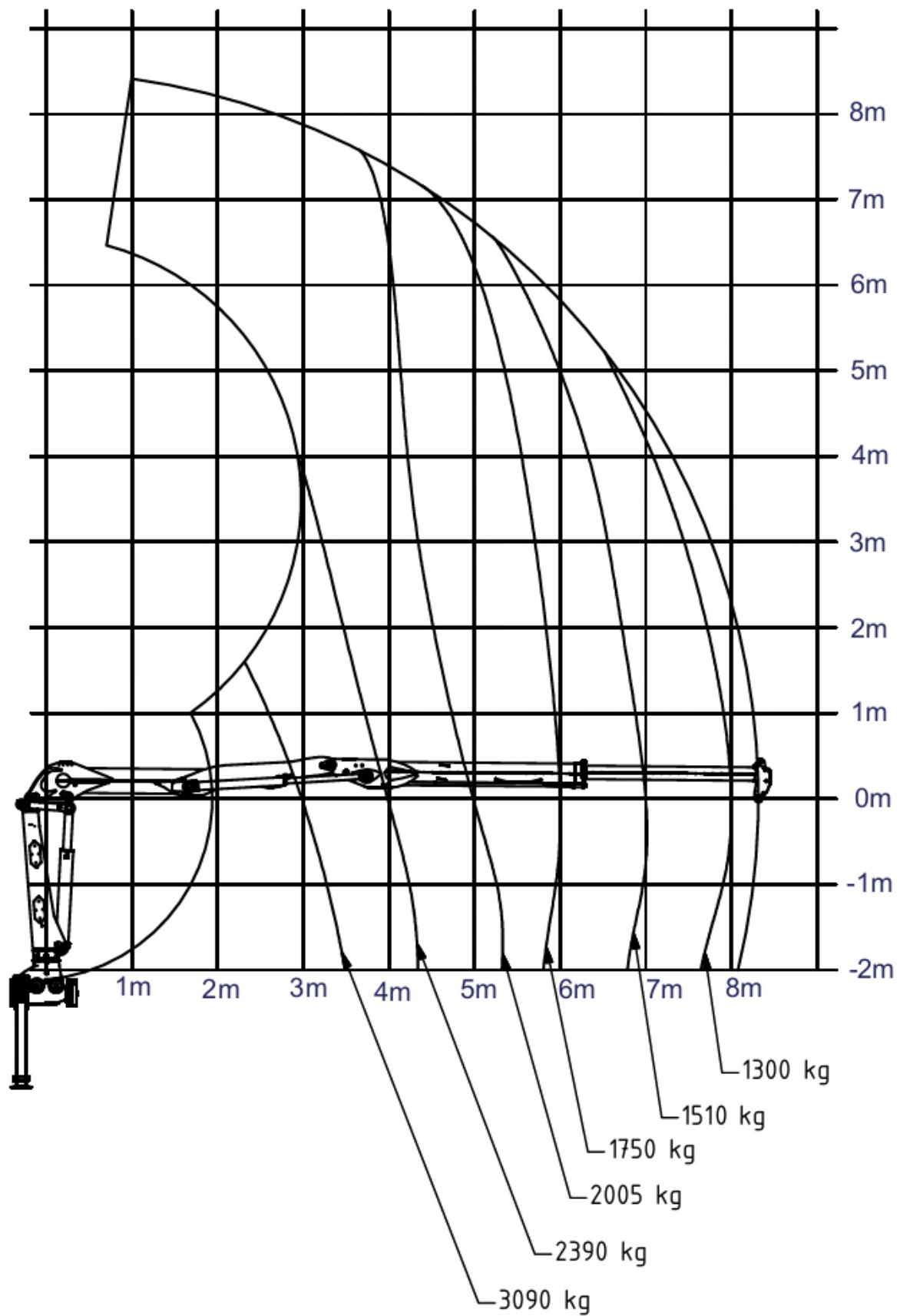
Static test loads according to EN12999 6.2.5.2

Lift capacity diagram

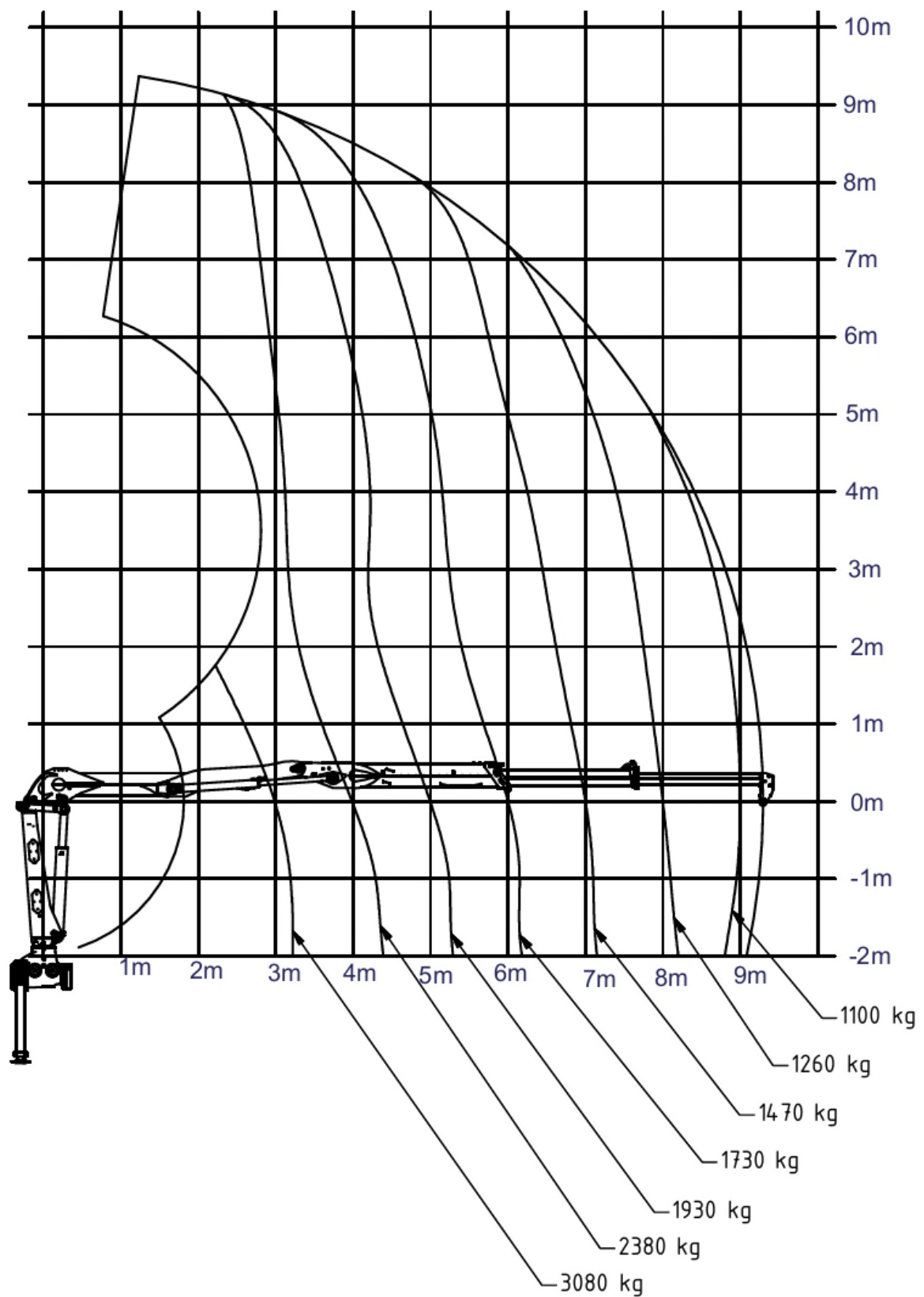
TZ12.2 7,7



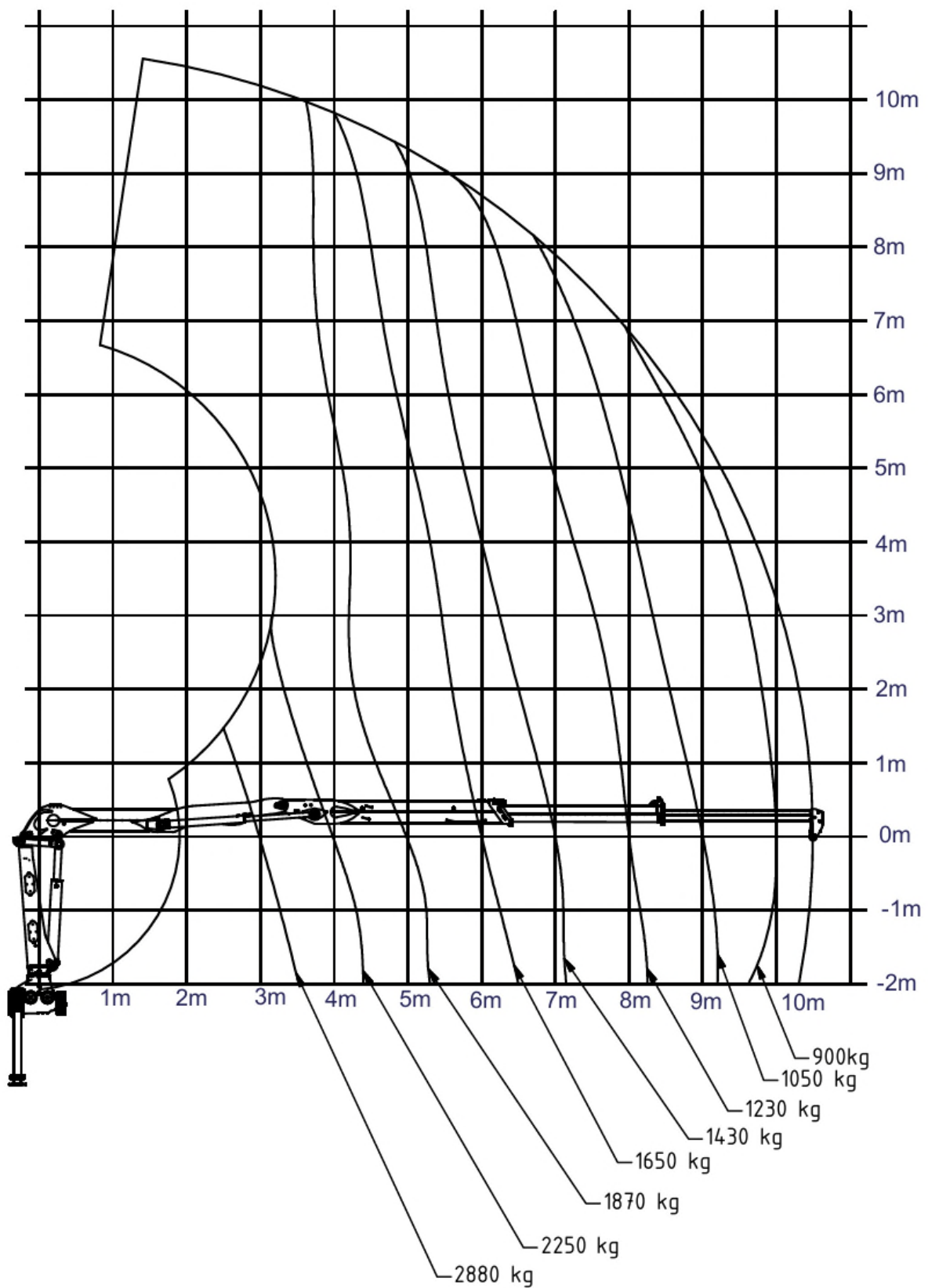
TZ12.1 8,3



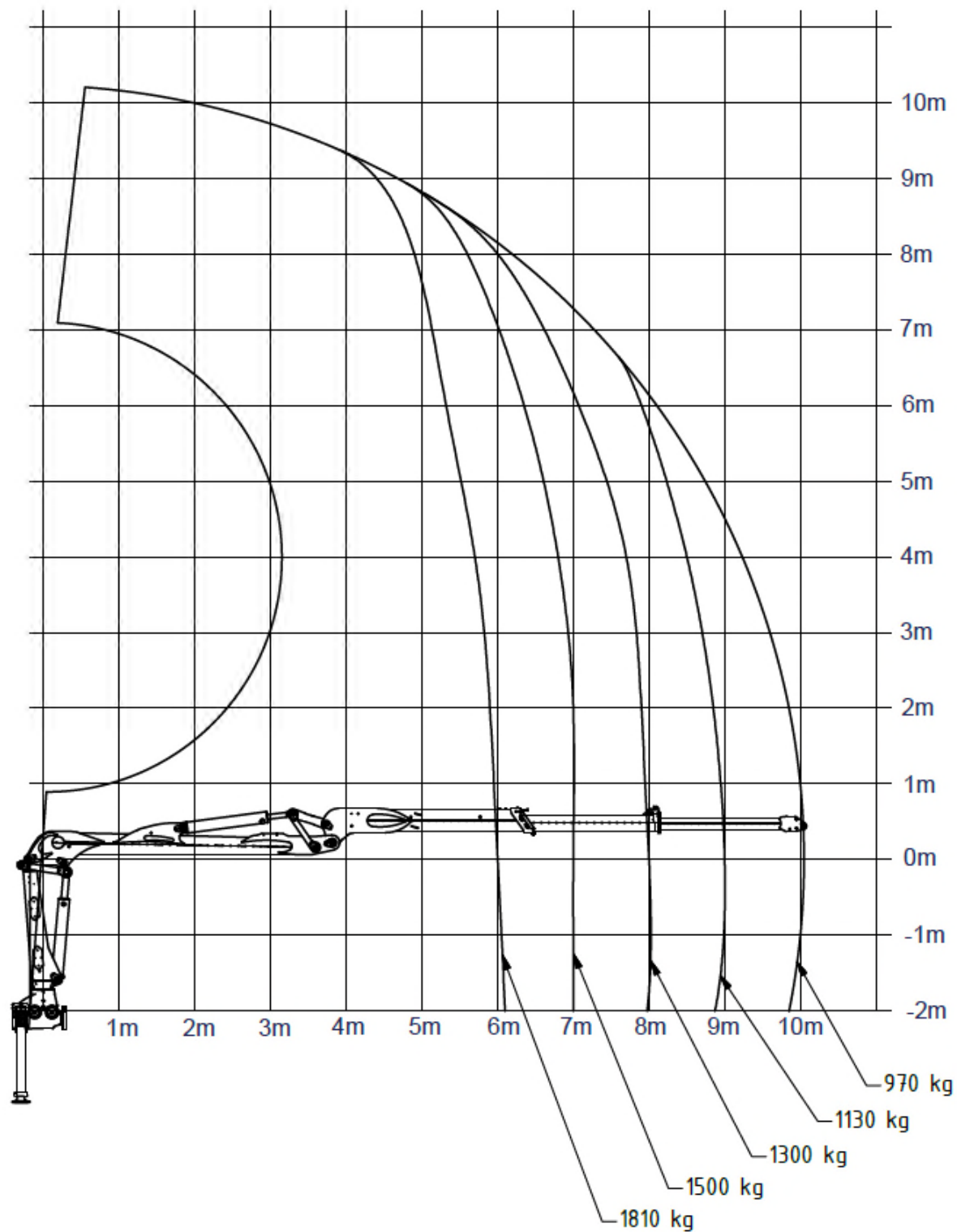
TZ12.2 9,3



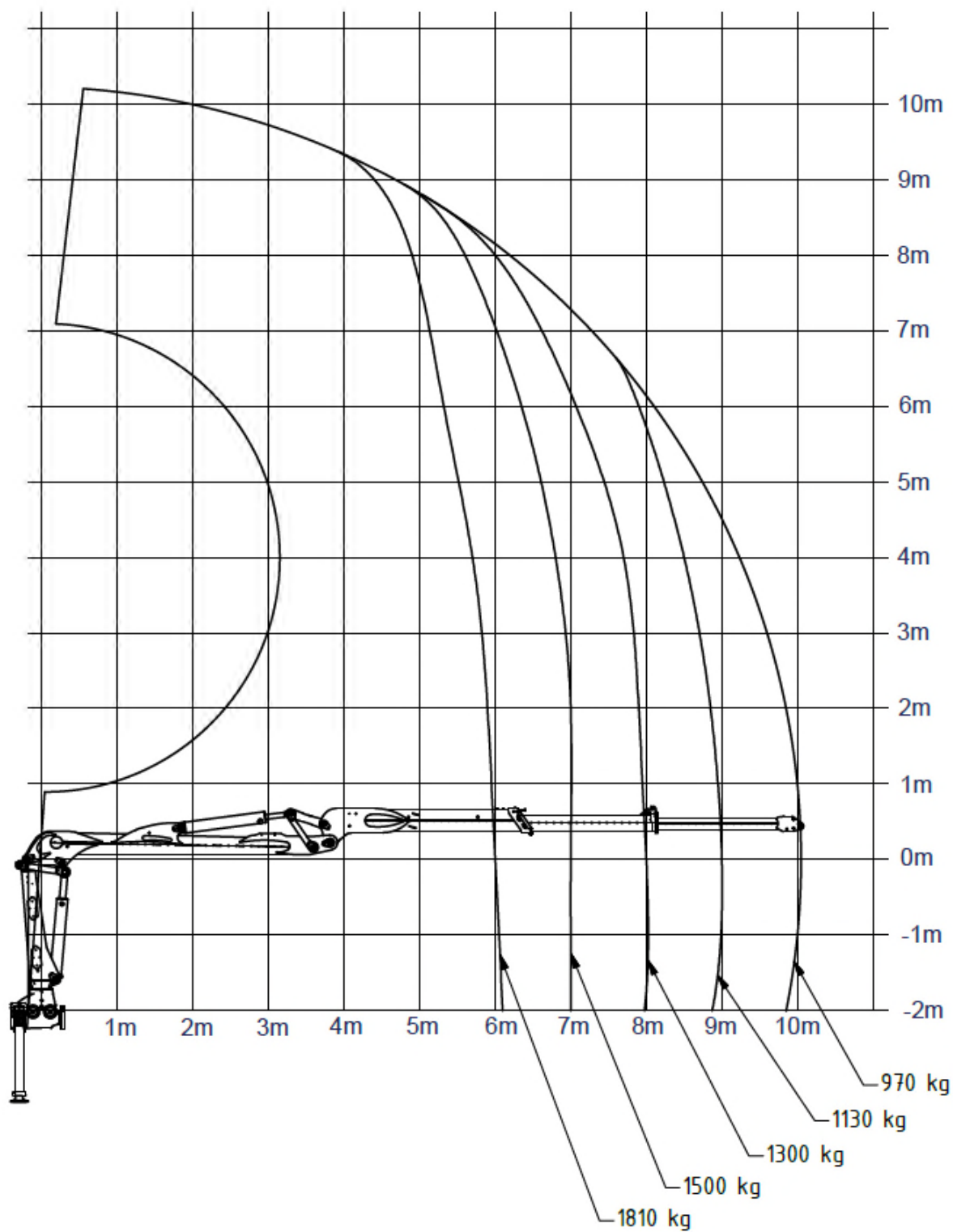
TZ12.2 10,5



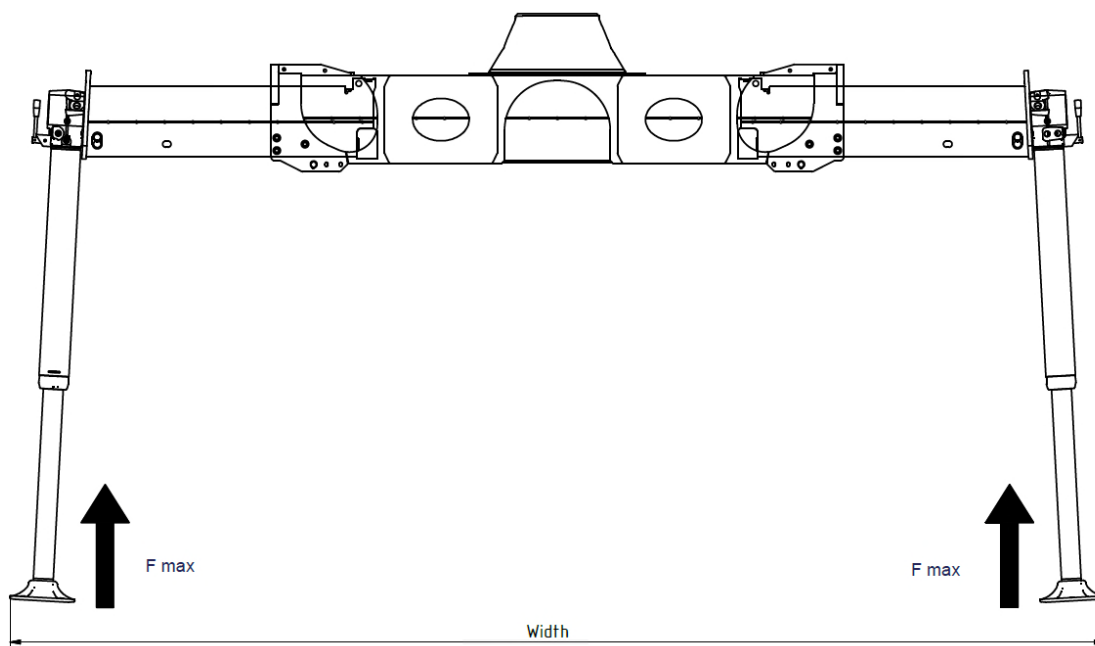
TL12.1 8,3



TL12.2 10,0



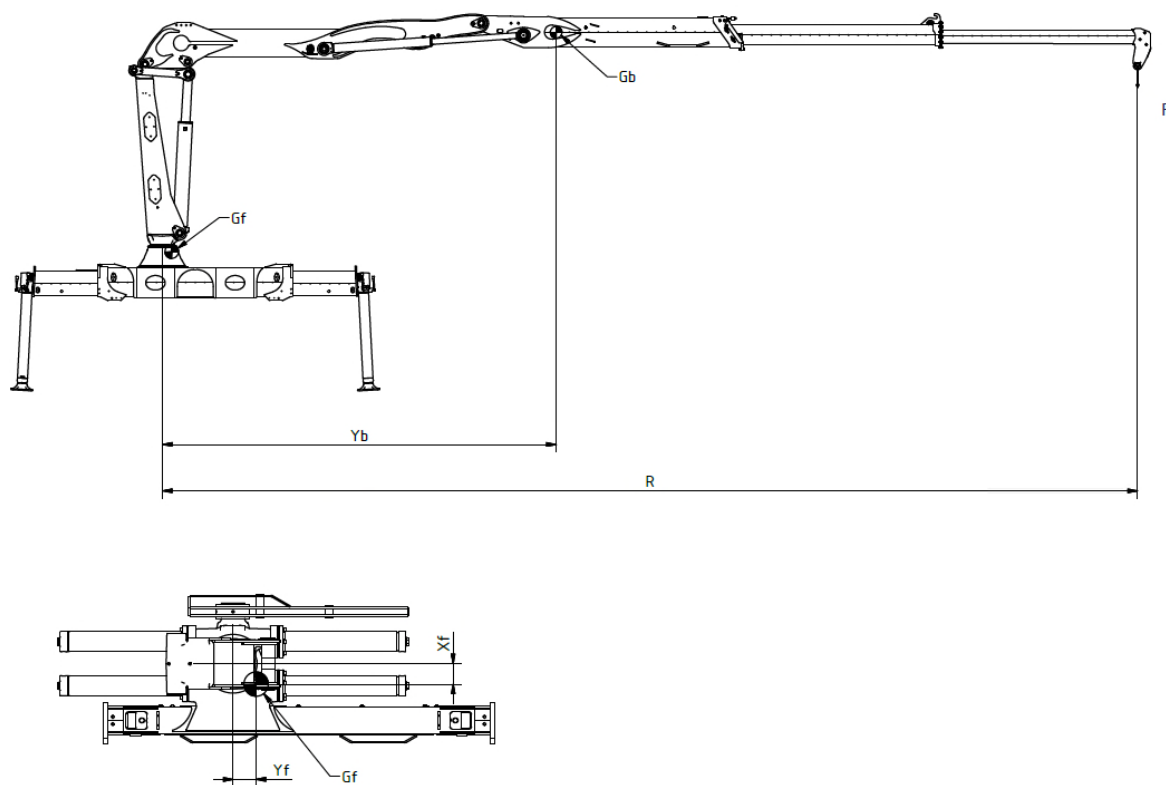
Stabilizer force TZ12/TL12



Model	Width (m)	F max (kN)
TZ12/TL12	3,9	100
TZ12/TL12	5,1	75

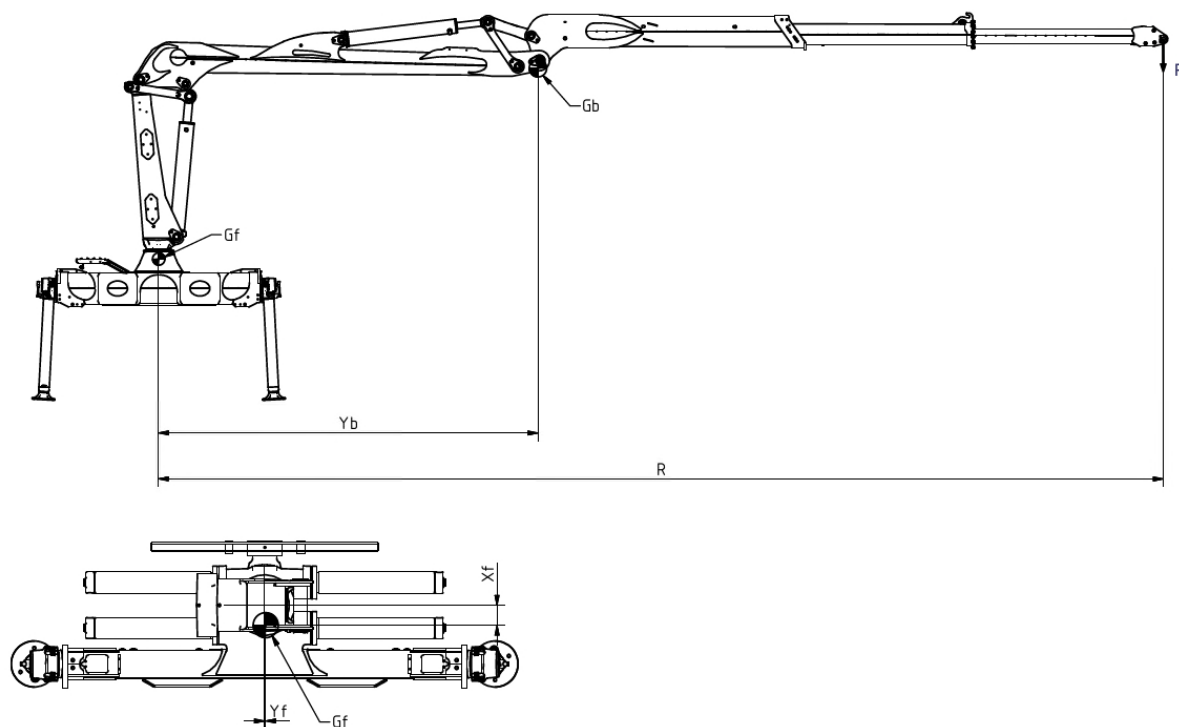
Stability calculations. Loads and centres of gravity.

TZ12



Model	P(kg)	R(m)	G _b (kg)	Y _b (m)	G _f (kg)	Y _f (m)	X _f (m)
TZ12.2	1480	7,7	940	3,0	900	0,075	0,1
TZ12.1	1340	8,3	900	3,5	900	0,075	0,1
TZ12.2	1140	9,3	960	3,85	900	0,075	0,1
TZ12.2	900	10,5	1000	4,15	900	0,075	0,1

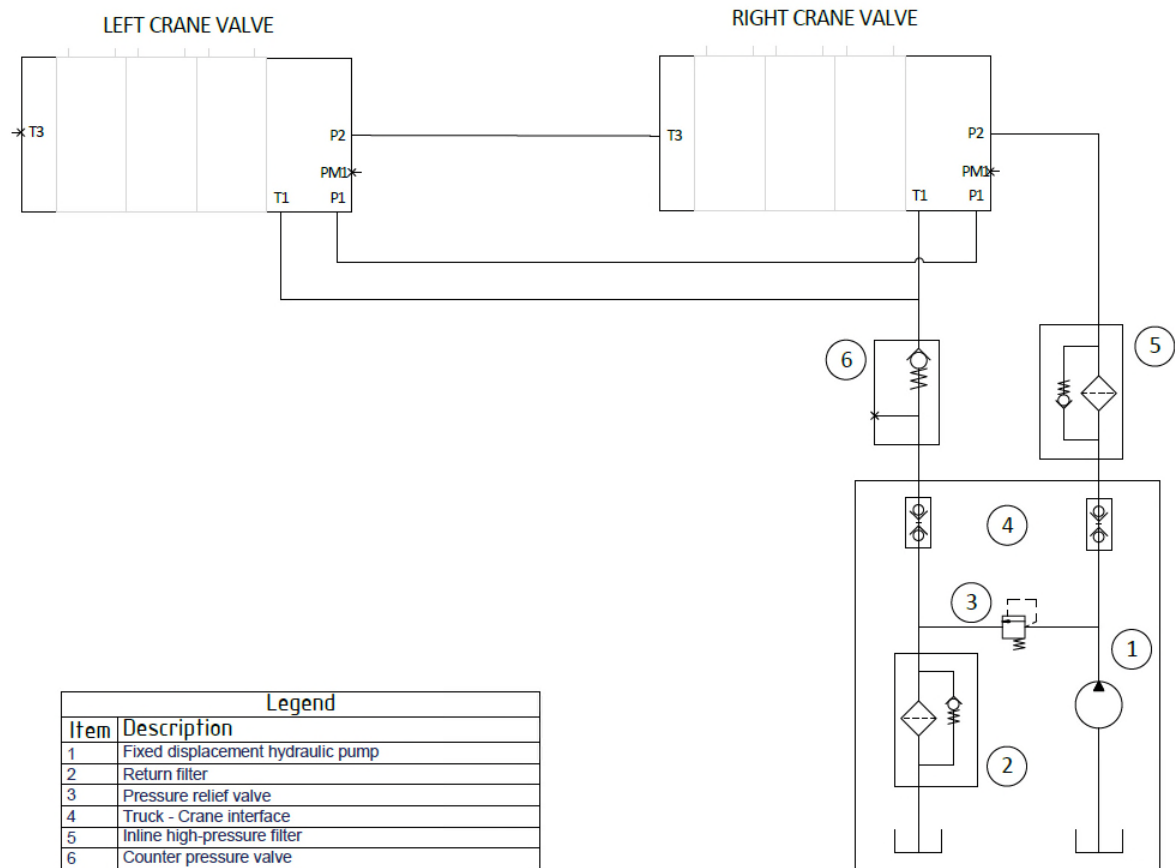
TL12



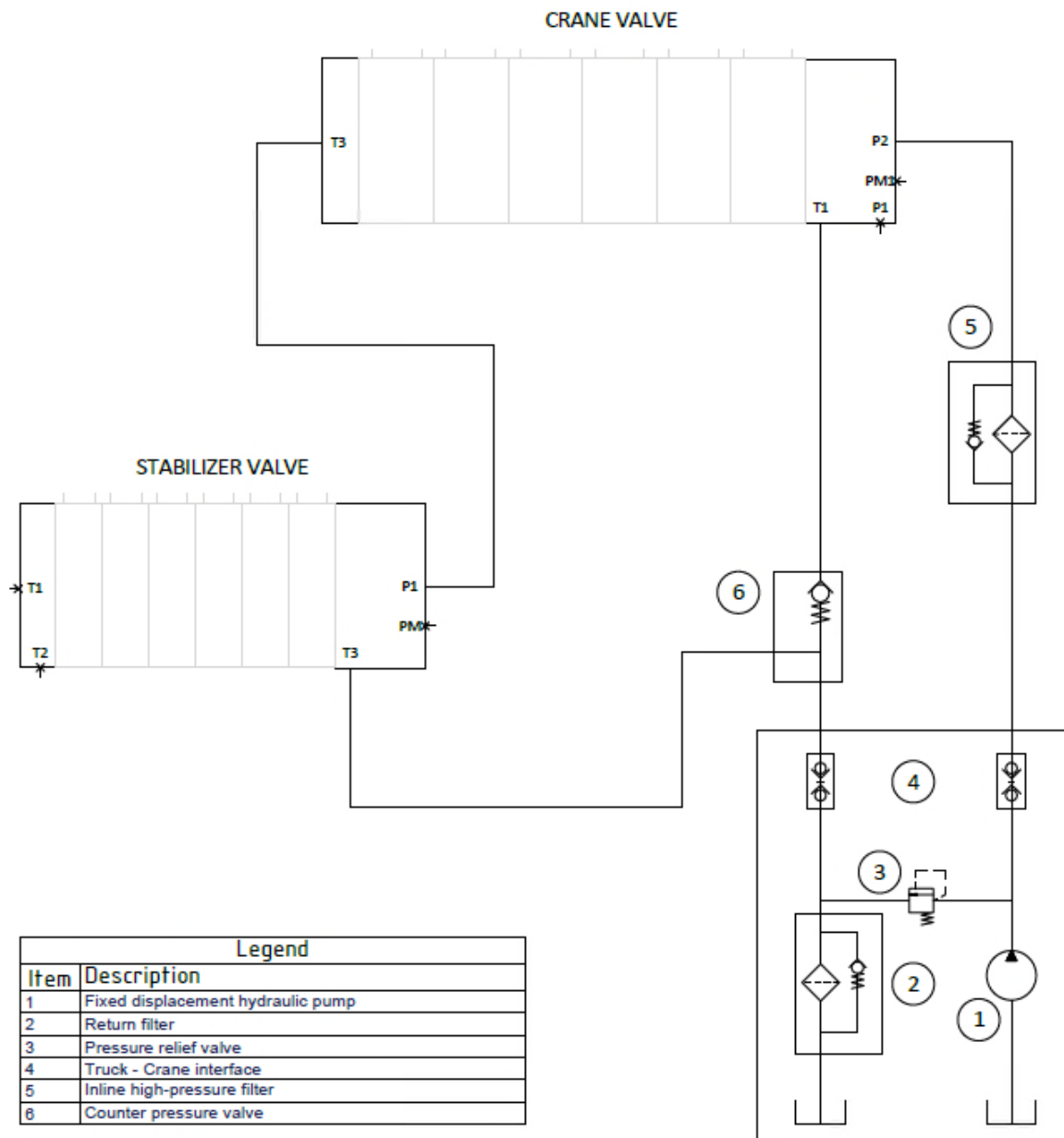
Model	P(kg)	R(m)	G _b (kg)	Y _b (m)	G _f (kg)	Y _f (m)	X _f (m)
TL12.1	1380	8,3	900	3,429	900	0	0,1
TL12.2	1060	10	1020	3,865	900	0	0,1

Hydraulic drawings overview

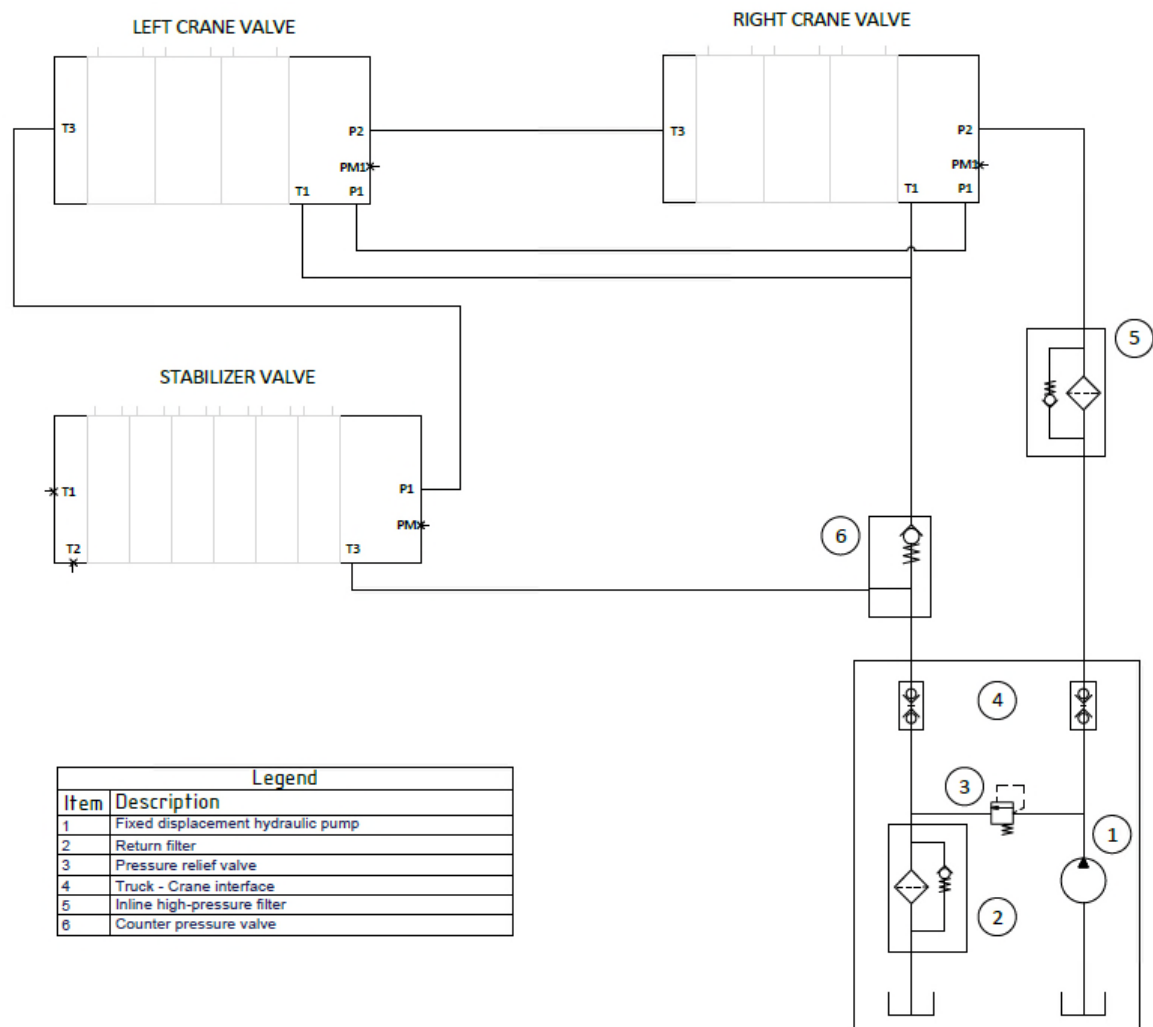
1 fixed pump and 2 crane valves



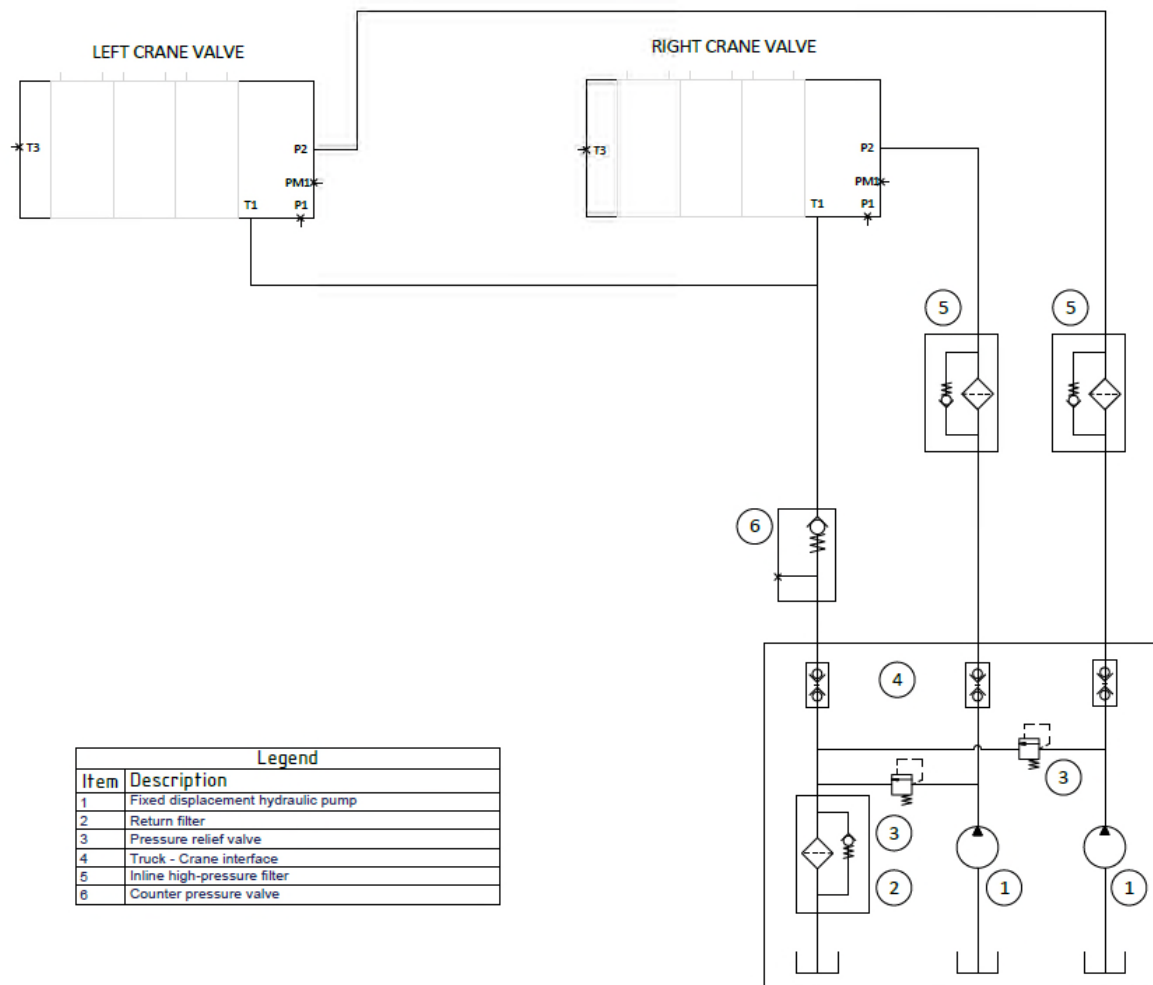
1 fixed pump, 1 crane valve and 1 support leg valve



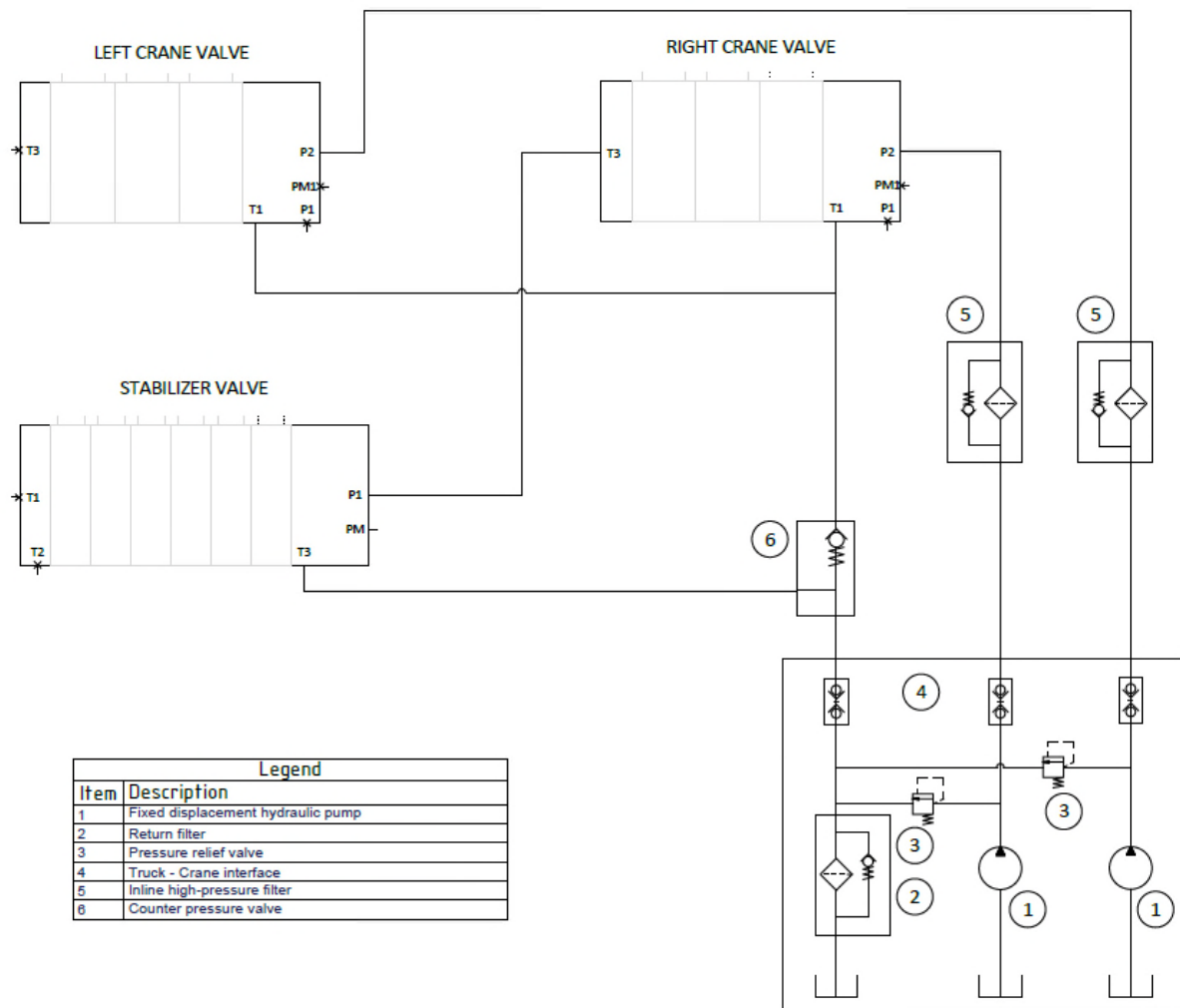
1 fixed pump, 2 crane valves and 1 support leg valve



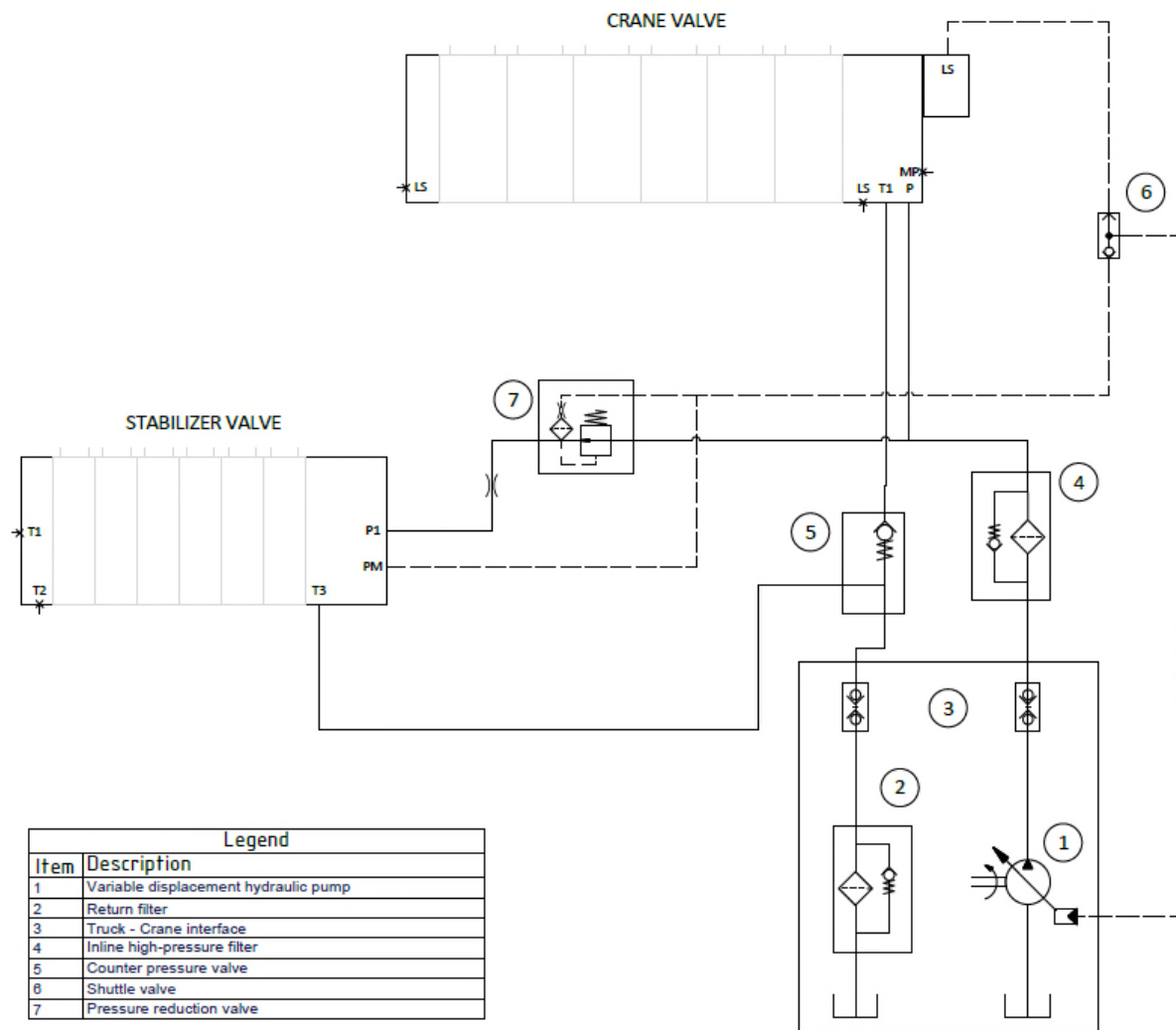
2 fixed pumps and 2 crane valves



2 fixed pumps, 2 crane valves and 1 support leg valve



1 load sensing pumps, 1 crane valve and 1 support leg valve



1 load sensing pump, 2 crane valves and 1 support leg valve

