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Manual # 99904608

14/98 Technical Specifications

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14/98SL Technical Specifications

Section - 1

14/98SL Specifications

Performance	Unit	K1	K2	K3	K4	K5	K6
Loading group (EN12999)		H1/B3	H1/B3	H1/B3	H1/B3	H1/B3	H1/B3
Load moment	ft-lb	103220	99611	96723	93836	90949	88783
Hydraulic reach	ft	20’7”	27’6”	34’5”	41’11”	49’2”	56’8”
Hydraulic telescopic movement	ft	6’3”	12’11”	19’9”	27’	34’1”	41’3”
Lifting capacity, hydraulic	lb-ft	7340 - 14’1”	7055 - 14’1”	6720 - 14’5”	6390 - 14’9”	6105 - 15’1”	5840 - 15’1”
		5070 - 20’4”	4785 - 20’8”	4475 - 20’8”	4190 - 20’11”	3945 - 21’4”	3725 - 21’8”
			3595 - 27’3”	3305 - 27’3”	3040 - 27’7”	2800 - 27’10”	2580 - 28’3”
				2600 - 34’1”	2335 - 34’5”	2095 - 34’9”	1895 - 35’1”
					1895 - 41’8”	1655 - 41’11”	1455 - 42’2”
						1390 - 48’10”	1190 - 49’3”
							1035 - 56’5”
Lifting capacity, manual extensions	lb-ft		2690 - 34’1”	1980 - 41’8”	1455 - 49’6”	1102 - 56’5”	815 - 64’4”
	°		2070 - 41’4”	1543 - 49’3”	1168 - 57’1”	882 - 64’4”	
	°		1630 - 49’3”	1275 - 56’9”	970 - 64’8”		
Slewing torque, gross	°/s	12981	12981	12981	12981	12981	12981
Slewing angle	°	400	400	400	400	400	400
Max. heel at max. load moment	°	5	5	5	5	5	5
Slewing speed	°/s	24	24	24	24	24	24

Dimensions	Unit	K1	K2	K3	K4	K5	K6
Height above chassis	in	88	88	88	88	88	88
Width	in	98	98	98	98	98	98
Length, no extra valves	in	32	32	32	32	32	32
Length, with extra valves (hose guides)	in	37	37	37	37	37	37
Length, with extra valves (int. hose routing)	in	32	32	32	32	32	32
Stabilizer spread, S1 (standard)	ft	15’1”	15’1”	15’1”	15’1”	15’1”	15’1”
Stabilizer spread, S2	ft	18’4”	18’4”	18’4”	18’4”	18’4”	18’4”
Stabilizer spread, D	ft	21’2”	21’2”	21’2”	21’2”	21’2”	21’2”

14/98SL Specifications - Continued

Weights, basic loader	Unit	K1	K2	K3	K4	K5	K6
Standard loader 1), excl. stabilizers	lbs	2888	3197	3505	3803	4068	4277
Stabilizers, S1 fixed	lbs	441	441	441	441	441	441
Stabilizers, S1 swing-up	lbs	452	452	452	452	452	452
Stabilizers, S1 hydr. swing-up	lbs	474	474	474	474	474	474
Stabilizers, S2 fixed	lbs	518	518	518	518	518	518
Stabilizers, S2 swing-up	lbs	529	529	529	529	529	529
Stabilizers, S2 hydr. swing-up	lbs	551	551	551	551	551	551
Stabilizers, D fixed	lbs	661	661	661	661	661	661
Stabilizers, D swing-up	lbs	661	661	661	661	661	661
Stabilizers, D hydr. swing-up	lbs	694	694	694	694	694	694
Mounting kit, 4 bolts	lbs	121	121	121	121	121	121
Mounting kit, 8 bolts	lbs	132	132	132	132	132	132
Tank, excl. oil (fitted on loader)	lbs	99	99	99	99	99	99
Manual extensions	lbs		187	165	143	99	88
	lbs		165	143	99	88	
	lbs		143	99	88		
Oil in loader (stowing position)	lbs	55	66	77	88	99	99

1) Weights ± 5% because of tolerances for plate thickness

Weights, equipment	Unit	K1	K2	K3	K4	K5	K6
Stand-up controls (HS), std.	lbs	132	132	132	132	132	132
Stand-up controls (HS), direct valve control	lbs	154	154	154	154	154	154
Top seat (TS)	lbs	198	198	198	198	198	198
Top seat, ladder	lbs	44	44	44	44	44	44
1 extra valve, hose guides	lbs	88	121	143	165	187	209
1 extra valve, int. hose routing	lbs	165	165	165	176	176	187
2 extra valves, hose guides	lbs	132	165	198	231	265	298
2 extra valves, int. hose routing	lbs	287	287	287	309	320	331
Winch (1.5 t), single snatch block	lbs	386	386	386	386	386	397
Winch (1.5 t), double snatch block	lbs	375	375	375	375	375	386
Winch (2.5 t), single snatch block	lbs	441	441	441	441	441	452
Winch (2.5 t), double snatch block	lbs	430	430	430	430	430	441
High-pressure filter	lbs	15	15	15	15	15	15
Oil cooler	lbs	55	55	55	55	55	55

14/98SL Specifications - Continued

Max. Load on stabilizers (per stabilizer cylinder)	Unit	K1	K2	K3	K4	K5	K6
S1, fixed	Lbf	19	19	19	19	19	19
S1, swing-up	Lbf	19	19	19	19	19	19
S1, hydr. swing-up	Lbf	19	19	19	19	19	19
S2, fixed	Lbf	19	19	19	19	19	19
S2, swing-up	Lbf	19	19	19	19	19	19
S2, hydr. swing-up	Lbf	19	19	19	19	19	19
D, fixed	Lbf	15	15	15	15	15	15
D, swing-up	Lbf	15	15	15	15	15	15
D, hydr. swing-up	Lbf	15	15	15	15	15	15

Power consumption (oil capacity)	Unit	K1	K2	K3	K4	K5	K6
Working pressure	PSI	5003	5003	5003	5003	5003	5003
Tank capacity (fitted on loader)	gal	23	23	23	23	23	23
Max. pump performance, Hydrocontrol, 1-circuit	gpm	11	11	11	11	11	11
Max. pump performance, Hydrocontrol, 2-circuit	gpm						
Max. pump performance, Danfoss fixed flow	gpm	18	18	18	18	18	18
Max. pump performance, Danfoss variable	gpm	26	26	26	26	26	26

Minimum Chassis Specs	
Front Axle Rating (GAWR)	12,000 lbs (5,450 kg)
Rear Axle Rating (GAWR)	21,000 lbs (9,530 kg)
Resistance to Bending Moment	1,470,000 in-lb (203,240 kg-m)

14/98SL Metric Specifications

Performance	Unit	K1	K2	K3	K4	K5	K6
Loading group (EN12999)		H1/B3	H1/B3	H1/B3	H1/B3	H1/B3	H1/B3
Load moment	tm	14.3	13.8	13.4	13	12.6	12.3
Hydraulic reach	m	6.3	8.4	10.5	12.8	15	17.3
Hydraulic telescopic movement	mm	1930	3940	6040	8230	10390	12580
Lifting capacity, hydraulic	kg-m	3330 - 4.3	3200 - 4.3	3050 - 4.4	2900 - 4.5	2770 - 4.6	2650 - 4.6
		2300 - 6.2	2170 - 6.3	2030 - 6.3	1900 - 6.4	1790 - 6.5	1690 - 6.6
			1630 - 8.3	1500 - 8.3	1380 - 8.4	1270 - 8.5	1170 - 8.6
				1180 - 10.4	1060 - 10.5	950 - 10.6	860 - 10.7
					860 - 12.7	750 - 12.8	660 - 12.9
						630 - 14.9	540 - 15.0
							470 - 17.2
Lifting capacity, manual extensions	kg-m		1220 - 10.4	900 - 12.7	660 - 15.1	500 - 17.2	370 - 19.6
			940 - 12.6	700 - 15.0	530 - 17.4	400 - 19.6	
			740 - 15.0	580 - 17.3	440 - 19.7		
Slewing torque, gross	kNm	17.6	17.6	17.6	17.6	17.6	17.6
Slewing angle	°	400	400	400	400	400	400
Max. heel at max. load moment	°	5	5	5	5	5	5
Slewing speed	°/s	24	24	24	24	24	24

Dimensions	Unit	K1	K2	K3	K4	K5	K6
Height above chassis	mm	2250	2250	2250	2250	2250	2250
Width	mm	2500	2500	2500	2500	2500	2500
Length, no extra valves	mm	825	825	825	825	825	825
Length, with extra valves (hose guides)	mm	950	950	950	950	950	950
Length, with extra valves (int. hose routing)	mm	825	825	825	825	825	825
Stabilizer spread, S1 (standard)	mm	4615	4615	4615	4615	4615	4615
Stabilizer spread, S2	mm	5590	5590	5590	5590	5590	5590
Stabilizer spread, D	mm	6470	6470	6470	6470	6470	6470

14/98SL Metric Specifications - Continued

Weights, basic loader	Unit	K1	K2	K3	K4	K5	K6
Standard loader 1), excl. stabilizers	kg	1310	1450	1590	1725	1845	1940
Stabilizers, S1 fixed	kg	200	200	200	200	200	200
Stabilizers, S1 swing-up	kg	205	205	205	205	205	205
Stabilizers, S1 hydr. swing-up	kg	215	215	215	215	215	215
Stabilizers, S2 fixed	kg	235	235	235	235	235	235
Stabilizers, S2 swing-up	kg	240	240	240	240	240	240
Stabilizers, S2 hydr. swing-up	kg	250	250	250	250	250	250
Stabilizers, D fixed	kg	300	300	300	300	300	300
Stabilizers, D swing-up	kg	300	300	300	300	300	300
Stabilizers, D hydr. swing-up	kg	315	315	315	315	315	315
Mounting kit, 4 bolts	kg	55	55	55	55	55	55
Mounting kit, 8 bolts	kg	60	60	60	60	60	60
Tank, excl. oil (fitted on loader)	kg	45	45	45	45	45	45
Manual extensions	kg		85	75	65	45	40
	kg		75	65	45	40	
	kg		65	45	40		
Oil in loader (stowing position)	kg	25	30	35	40	45	45

1) Weights ± 5% because of tolerances for plate thickness

Weights, equipment	Unit	K1	K2	K3	K4	K5	K6
Stand-up controls (HS), std.	kg	60	60	60	60	60	60
Stand-up controls (HS), direct valve control	kg	70	70	70	70	70	70
Top seat (TS)	kg	90	90	90	90	90	90
Top seat, ladder	kg	20	20	20	20	20	20
1 extra valve, hose guides	kg	40	55	65	75	85	95
1 extra valve, int. hose routing	kg	75	75	75	80	80	85
2 extra valves, hose guides	kg	60	75	90	105	120	135
2 extra valves, int. hose routing	kg	130	130	130	140	145	150
Winch (1.5 t), single snatch block	kg	175	175	175	175	175	180
Winch (1.5 t), double snatch block	kg	170	170	170	170	170	175
Winch (2.5 t), single snatch block	kg	200	200	200	200	200	205
Winch (2.5 t), double snatch block	kg	195	195	195	195	195	200
High-pressure filiter	kg	7	7	7	7	7	7
Oil cooler	kg	25	25	25	25	25	25

14/98SL Metric Specifications - Continued

Max. Load on stabilizers (per stabilizer cylinder)	Unit	K1	K2	K3	K4	K5	K6
S1, fixed	kN	85	85	85	85	85	85
S1, swing-up	kN	85	85	85	85	85	85
S1, hydr. swing-up	kN	85	85	85	85	85	85
S2, fixed	kN	85	85	85	85	85	85
S2, swing-up	kN	85	85	85	85	85	85
S2, hydr. swing-up	kN	85	85	85	85	85	85
D, fixed	kN	68	68	68	68	68	68
D, swing-up	kN	68	68	68	68	68	68
D, hydr. swing-up	kN	68	68	68	68	68	68

Power consumption (oil capacity)	Unit	K1	K2	K3	K4	K5	K6
Working pressure	Bar	345	345	345	345	345	345
Tank capacity (fitted on loader)	L	90	90	90	90	90	90
Max. pump performance, Hydrocontrol, 1-circuit	L/min	45	45	45	45	45	45
Max. pump performance, Hydrocontrol, 2-circuit	L/min						
Max. pump performance, Danfoss fixed flow	L/min	70	70	70	70	70	70
Max. pump performance, Danfoss variable	L/min	100	100	100	100	100	100

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14/98SL Load Capacity Charts

Section - 2

14/98SL Lifting Capacity Chart, K1

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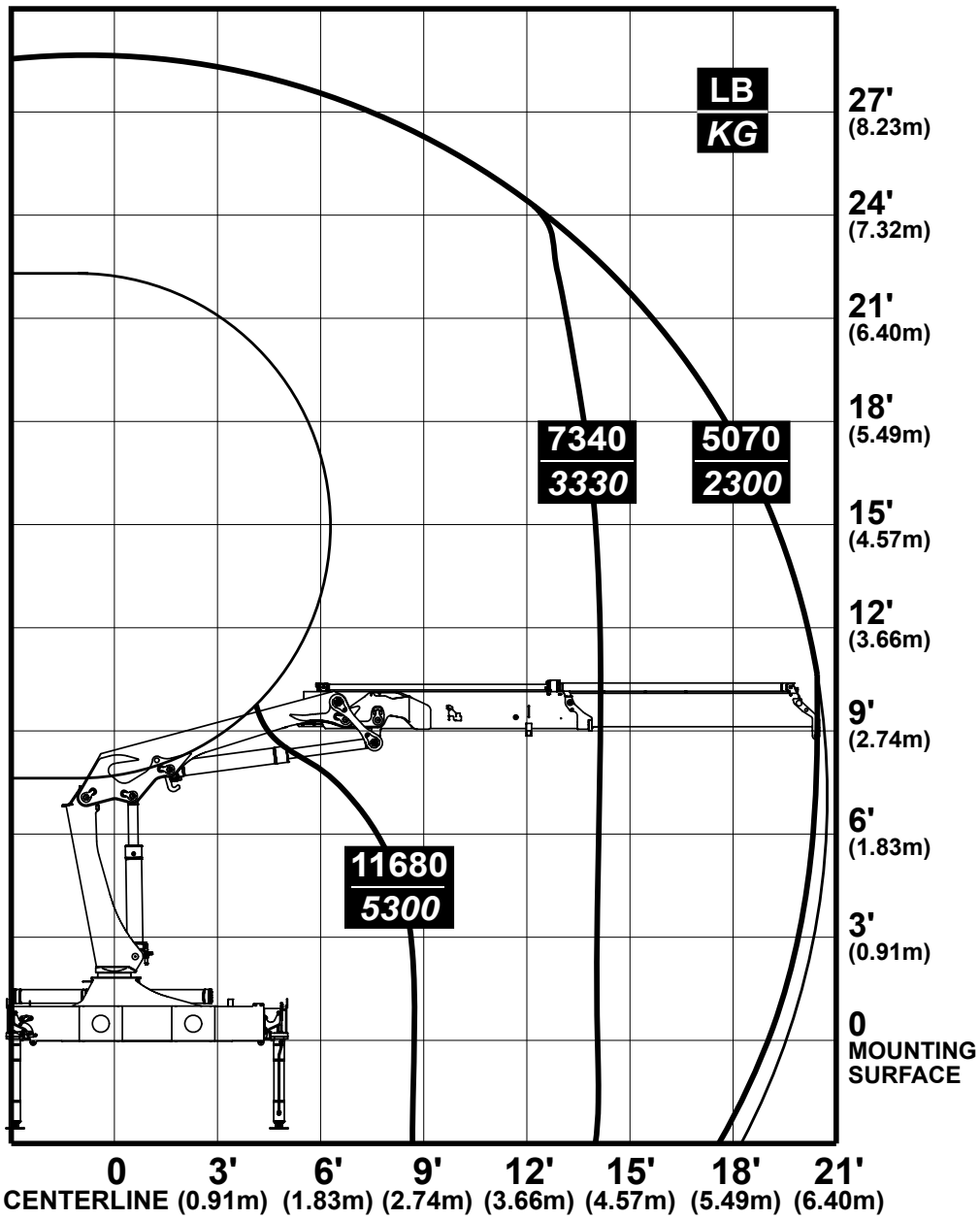
Model 14/98SL K1

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



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14/98SL Lifting Capacity Chart, K2

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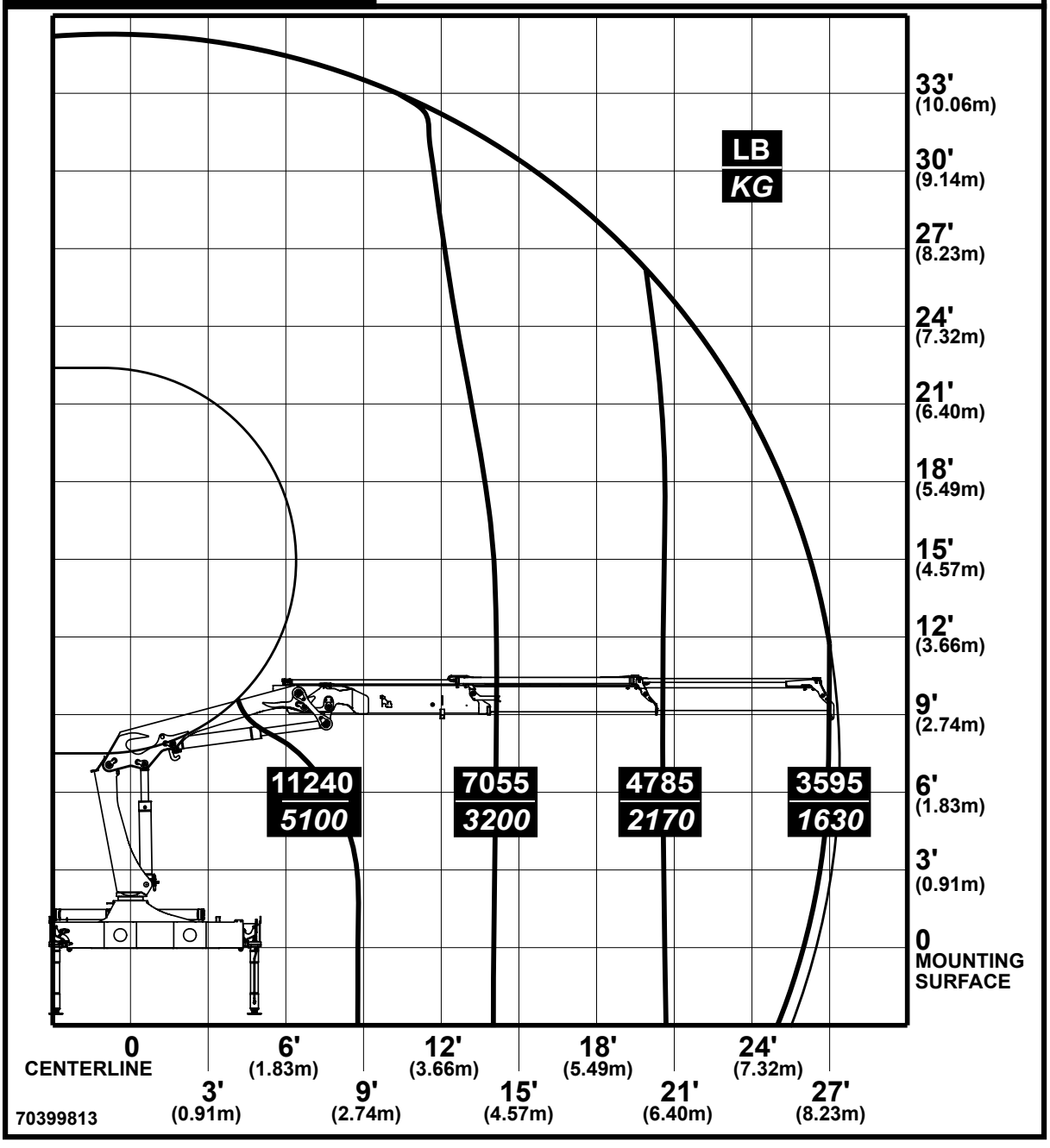
Model 14/98SL K2

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



14/98SL Lifting Capacity Chart, K3

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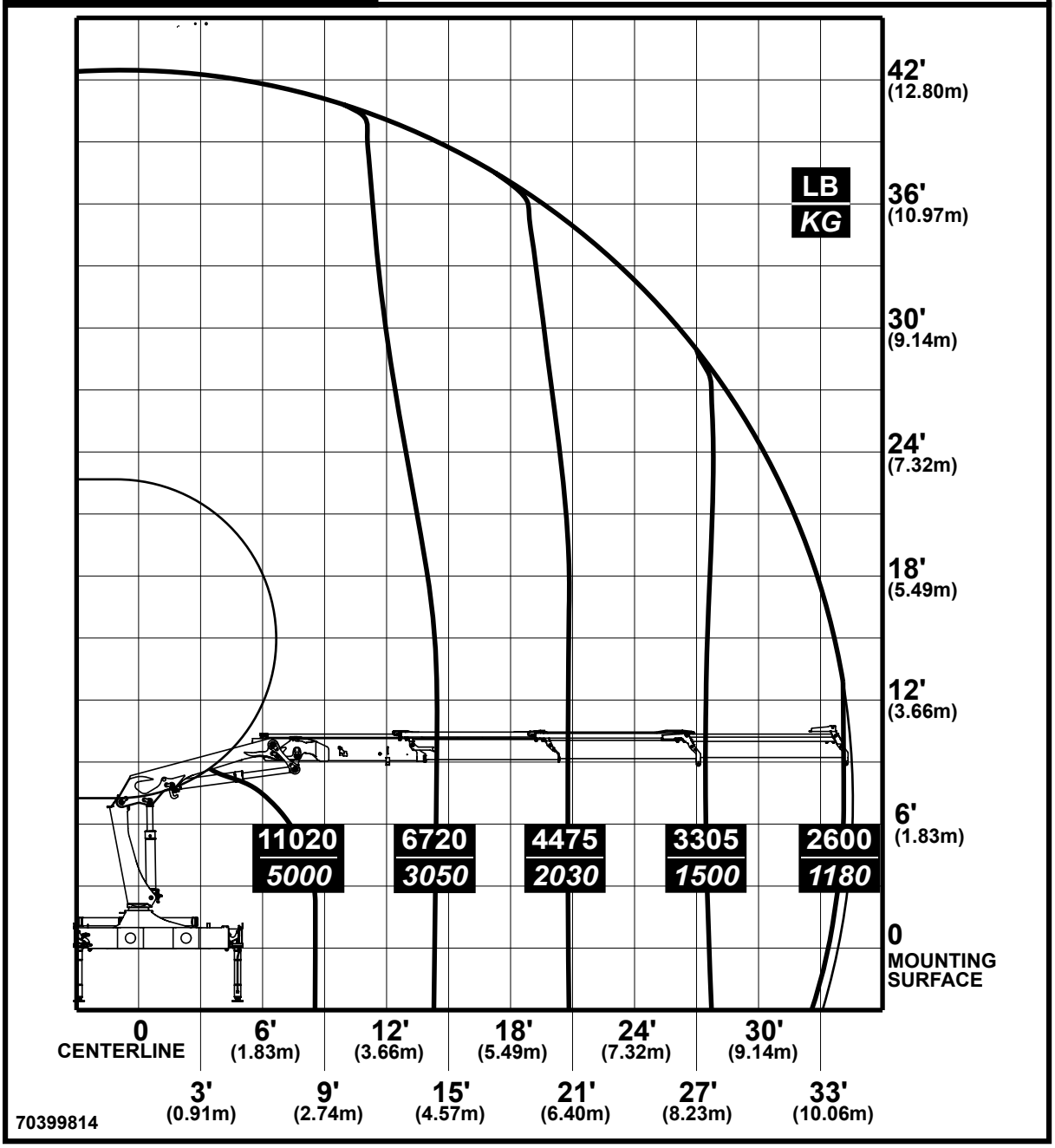
Model 14/98SL K3

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



14/98SL Lifting Capacity Chart, K4

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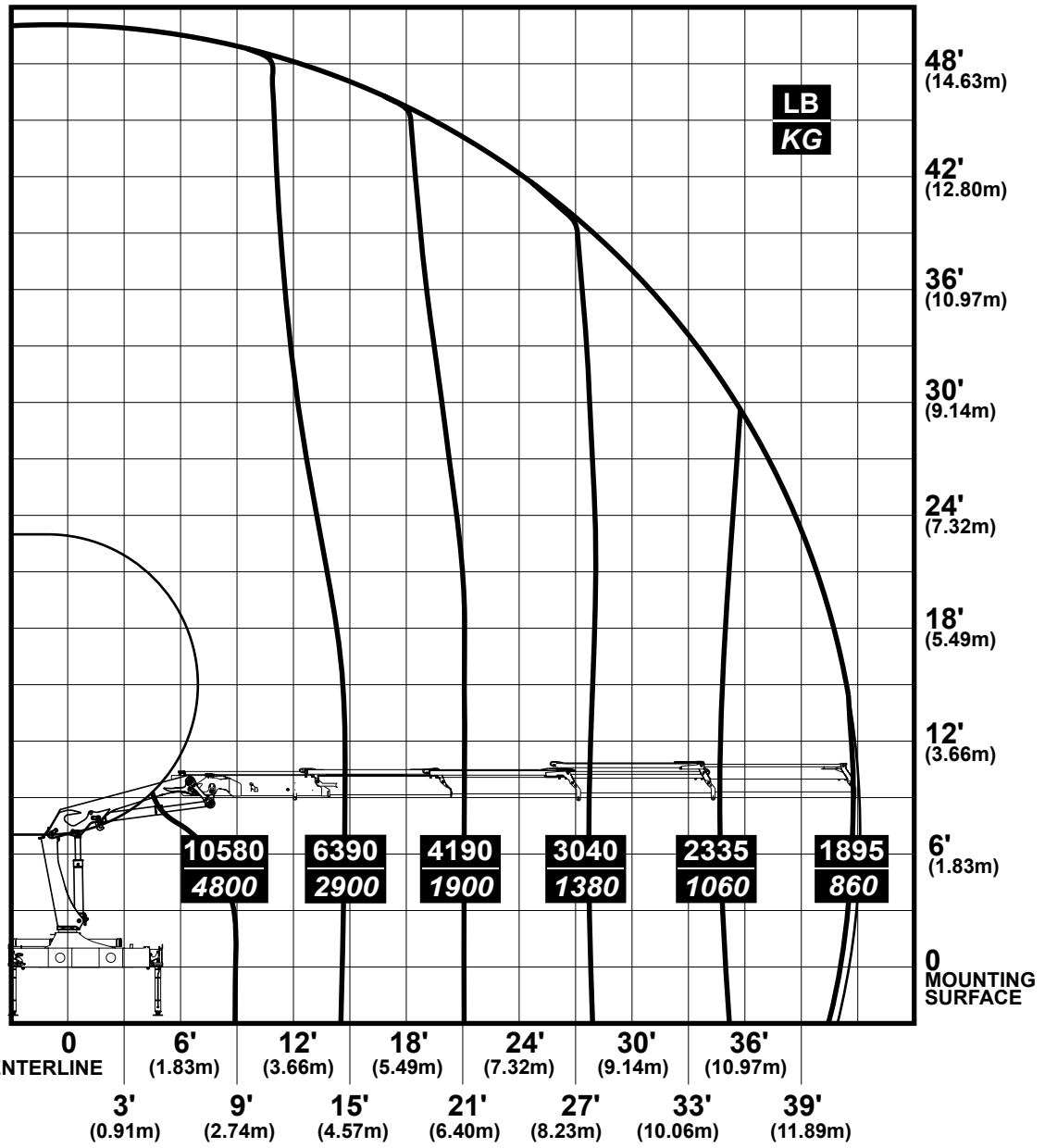
Model 14/98SL K4

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



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14/98SL Lifting Capacity Chart, K5

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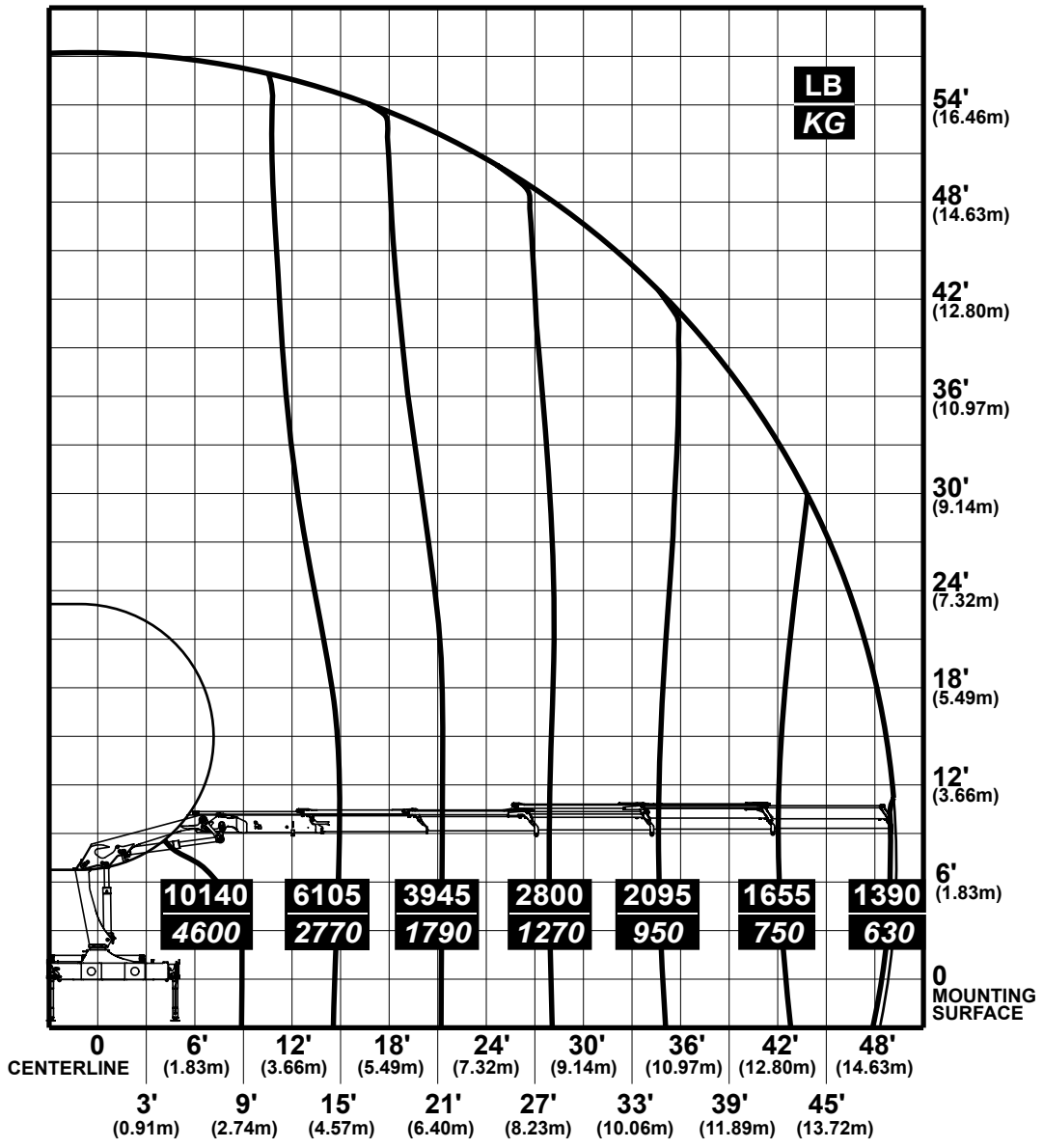
Model 14/98SL K5

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



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14/98SL Lifting Capacity Chart, K6

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MATERIAL HANDLING SYSTEMS

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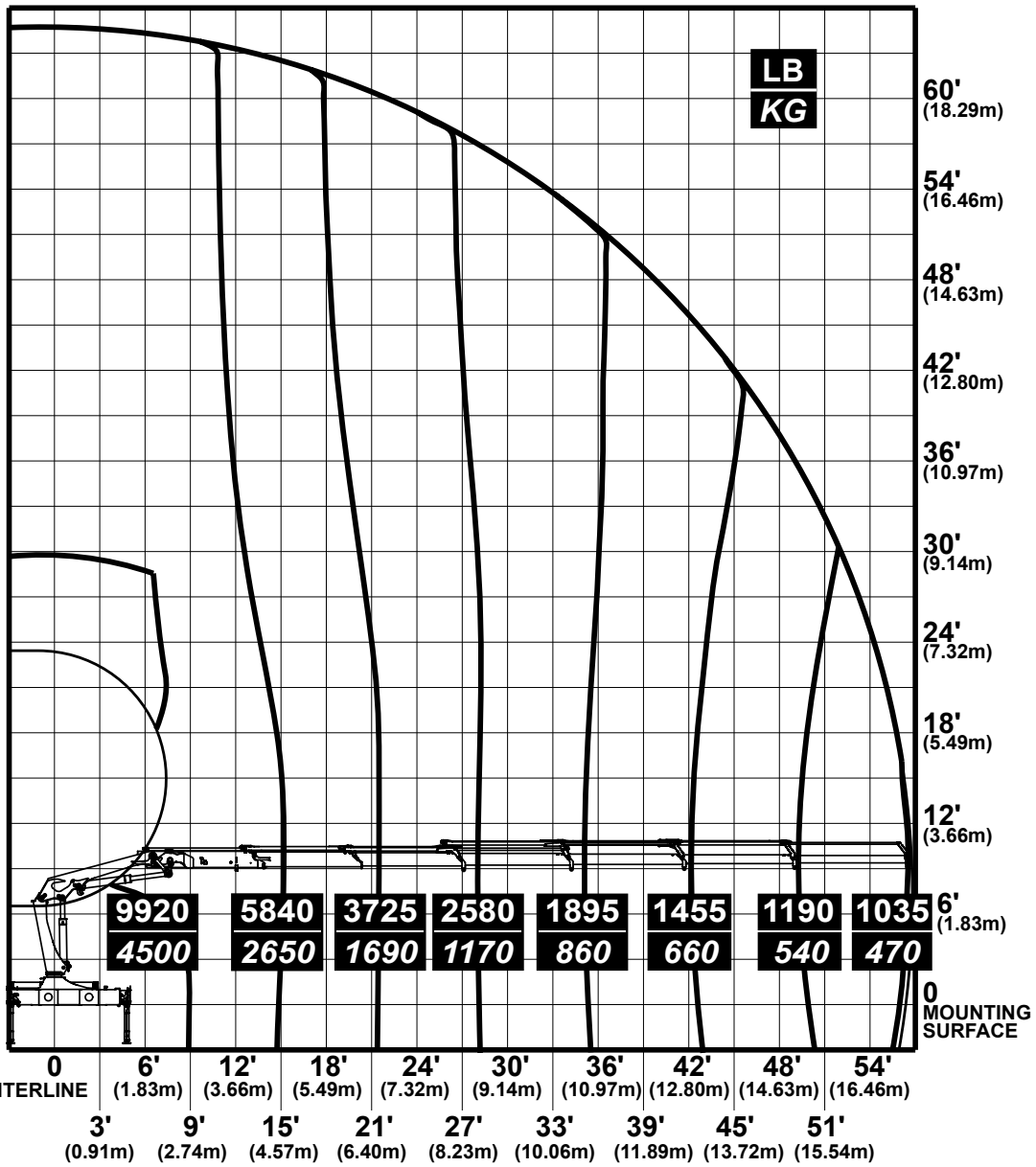
Model 14/98SL K6

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



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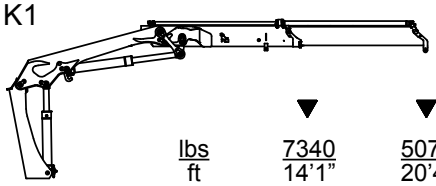
14/98SL Lifting Capacity, K1 - K6

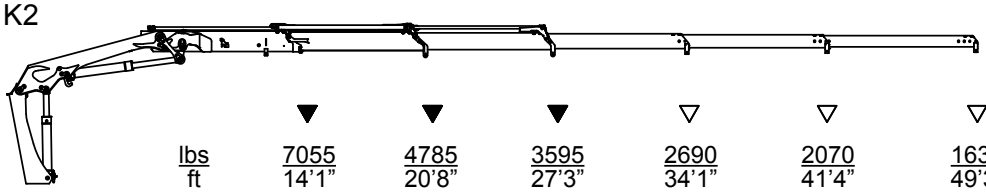
▽ Lifting capacity with manual extensions
▼ Lifting capacity without manual extensions

K1



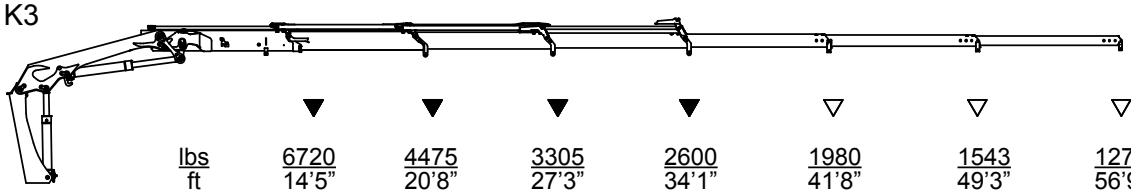
lbs / ft	7340 / 14’1”	5070 / 20’4”
kg / m	***3330 / 4.3***	***2300 / 6.2***

K2



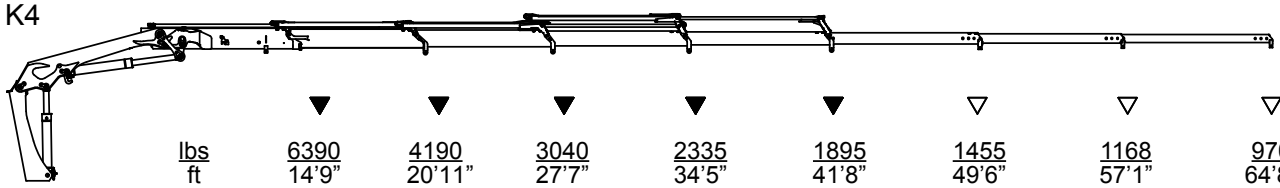
lbs / ft	7055 / 14’1”	4785 / 20’8”	3595 / 27’3”	2690 / 34’1”	2070 / 41’4”	1630 / 49’3”
kg / m	***3200 / 4.3***	***2160 / 6.3***	***1630 / 8.3***	***1220 / 10.4***	***940 / 12.6***	***740 / 15***

K3



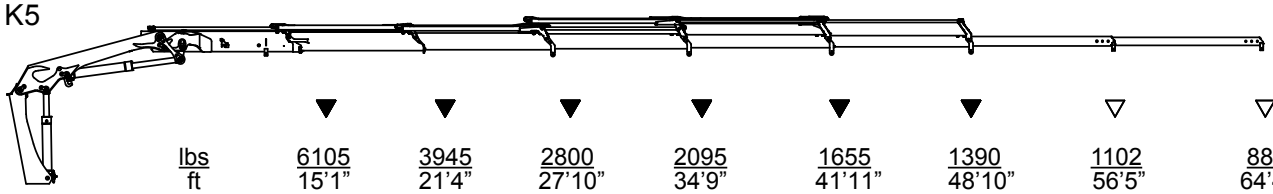
lbs / ft	6720 / 14’5”	4475 / 20’8”	3305 / 27’3”	2600 / 34’1”	1980 / 41’8”	1543 / 49’3”	1275 / 56’9”
kg / m	***3050 / 4.4***	***2030 / 6.3***	***1500 / 8.3***	***1180 / 10.4***	***900 / 12.7***	***700 / 15***	***580 / 17.3***

K4



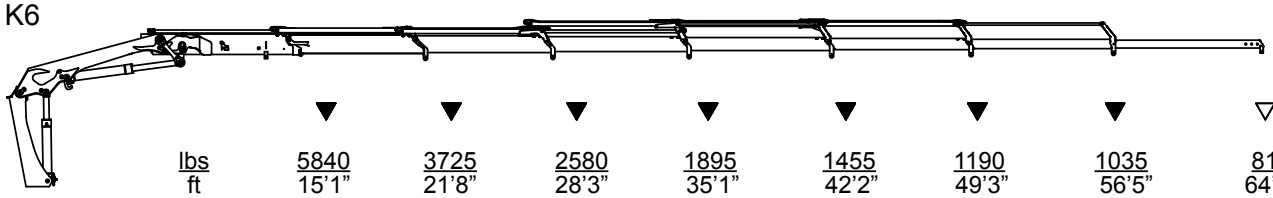
lbs / ft	6390 / 14’9”	4190 / 20’11”	3040 / 27’7”	2335 / 34’5”	1895 / 41’8”	1455 / 49’6”	1168 / 57’1”	970 / 64’8”
kg / m	***2900 / 4.5***	***1900 / 6.4***	***1380 / 8.4***	***1060 / 10.5***	***860 / 12.7***	***660 / 15.1***	***530 / 17.4***	***440 / 19.7***

K5



lbs / ft	6105 / 15’1”	3945 / 21’4”	2800 / 27’10”	2095 / 34’9”	1655 / 41’11”	1390 / 48’10”	1102 / 56’5”	882 / 64’4”
kg / m	***2770 / 4.6***	***1790 / 6.5***	***1270 / 8.5***	***950 / 10.6***	***750 / 12.8***	***630 / 14.9***	***500 / 17.2***	***400 / 19.6***

K6



lbs / ft	5840 / 15’1”	3725 / 21’8”	2580 / 28’3”	1895 / 35’1”	1455 / 42’2”	1190 / 49’3”	1035 / 56’5”	815 / 64’4”
kg / m	***2650 / 4.6***	***1690 / 6.6***	***1170 / 8.6***	***860 / 10.7***	***660 / 12.9***	***540 / 15***	***470 / 17.2***	***370 / 19.6***

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14/98SL Hydraulics

Section - 3

14/98SL - Pressure setting diagram, fixed flow pump & Danfoss RC

Working Pressure on Main-Relief Valve & Port- Relief Valves						
Function	**Direction**	**Port**	**Port-relief valves [bar]**	**LS-pressure adjustment [bar]**	**Port-relief valves [PSI]**	**LS-pressure adjustment [PSI]**
Main-relief valve			345		5004	
Slewing system	Right	A	P	180	P	2611
	Left	B	P	180	P	2611
Boom cylinder	Down	A	125	100	1813	1450
	Up	B	350	350	5076	5076
Jib cylinder	Up	A	350	350	5076	5076
	Down	B	250	230	3626	3336
Extension cylinders	Extend	A	P	-	P	-
	Retract	B	P	-	P	-
Rotator	Right	A	P	50-300	P	725-4351
	Left	B	P	50-300	P	725-4351
Grab	Open	A	P	50-300	P	725-4351
	Close	B	P	50-300	P	725-4351
Winch 1,5T	Lift	A	P	160	P	2321
	Lower	B	P	160	P	2321
Winch 2,5T	Lift	A	P	185	P	2683
	Lower	B	P	185	P	2683
Separate stabilizer valve		All	150		2176	

Working Pressure on Load-holding Valves			
Function	**Direction**	**Opening pressure [bar]**	**Opening pressure [PSI]**
Slewing system	Right	185	2683
	Left	185	2683
Boom cylinder	Up	365	5294
	Down	-	-
Jib cylinder	Up	380	5511
	Down	300	4351
Extension cylinders	Retract	430	6237
	Extend	210	3046

Pressure setting for Load Moment Limitation (LMB)		
Load moment limitation (LMB)	330 [bar]	4786 [PSI]
HDL	285 [bar]	4134 [PSI]

Max. pump performance		
Choice of pump	1 x Fixed	1 x Fixed
Pump performance	70 L/min	18.5 gpm

IMT reserves the right to introduce improvements and modifications

14/98SL - Pressure setting diagram, variable flow pump & Danfoss RC

Working Pressure on Main-Relief Valve & Port- Relief Valves						
Function	**Direction**	**Port**	**Port-relief valves [bar]**	**LS-pressure adjustment [bar]**	**Port-relief valves [PSI]**	**LS-pressure adjustment [PSI]**
Main-relief valve			345		5004	
Slewing system	Right	A	P	180	P	2611
	Left	B	P	180	P	2611
Boom cylinder	Down	A	125	100	1813	1450
	Up	B	350	380	5076	5511
Jib cylinder	Up	A	350	380	5076	5511
	Down	B	250	230	3626	3336
Extension cylinders	Extend	A	P	300	P	4351
	Retract	B	P	300	P	4351
Rotator	Right	A	P	50-300	P	725-4351
	Left	B	P	50-300	P	725-4351
Grab	Open	A	P	50-300	P	725-4351
	Close	B	P	50-300	P	725-4351
Winch 1,5T	Lift	A	P	160	P	2321
	Lower	B	P	160	P	2321
Winch 2,5T	Lift	A	P	185	P	2683
	Lower	B	P	185	P	2683
Separate stabilizer valve		All	150		2176	

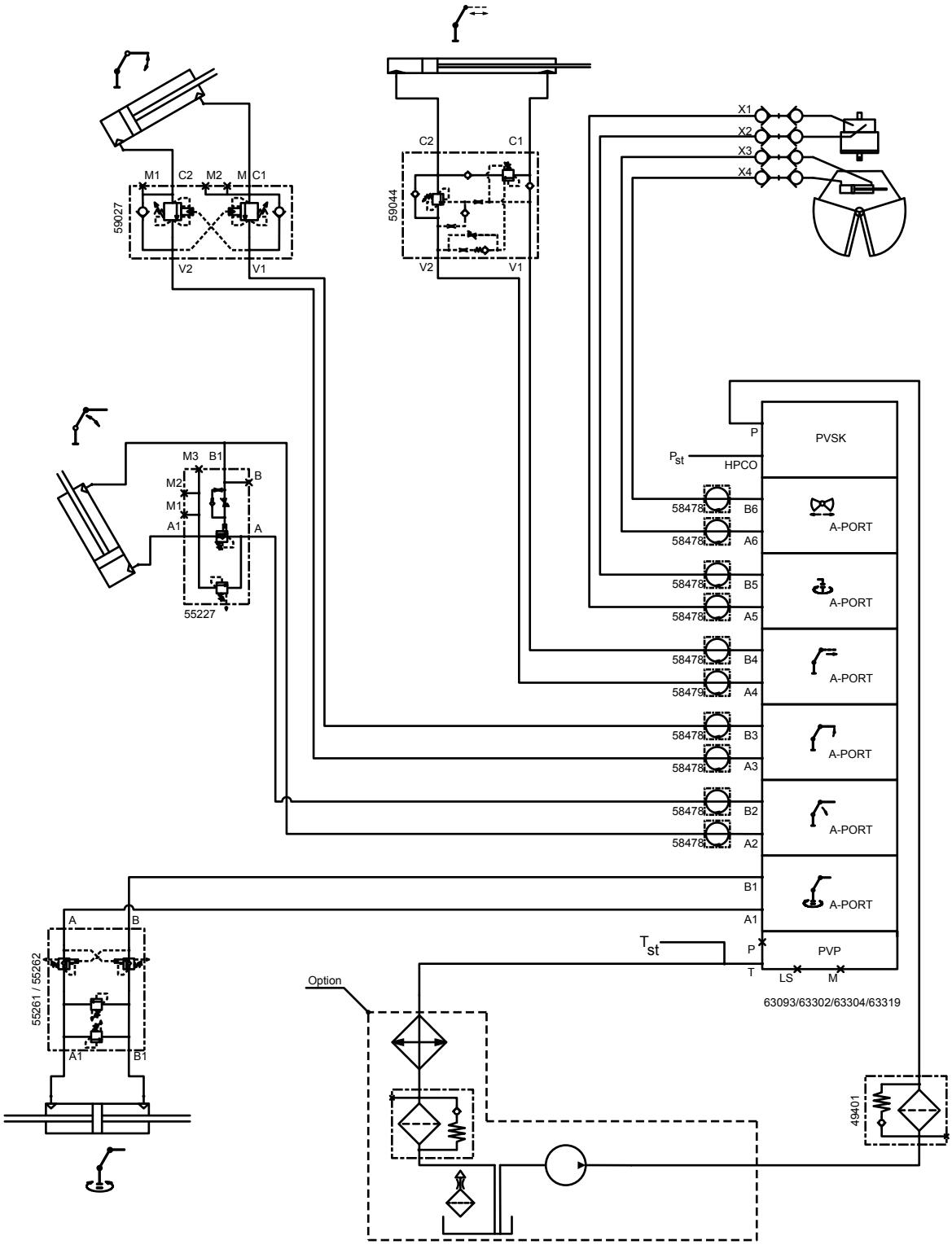
Working Pressure on Load-holding Valves			
Function	**Direction**	**Opening pressure [bar]**	**Opening pressure [PSI]**
Slewing system	Right	185	2683
	Left	185	2683
Boom cylinder	Up	365	5294
	Down	-	-
Jib cylinder	Up	380	5511
	Down	300	4351
Extension cylinders	Retract	430	6237
	Extend	210	3046

Pressure setting for Load Moment Limitation (LMB)		
Load moment limitation (LMB)	330 [bar]	4786 [PSI]
HDL	285 [bar]	4134 [PSI]

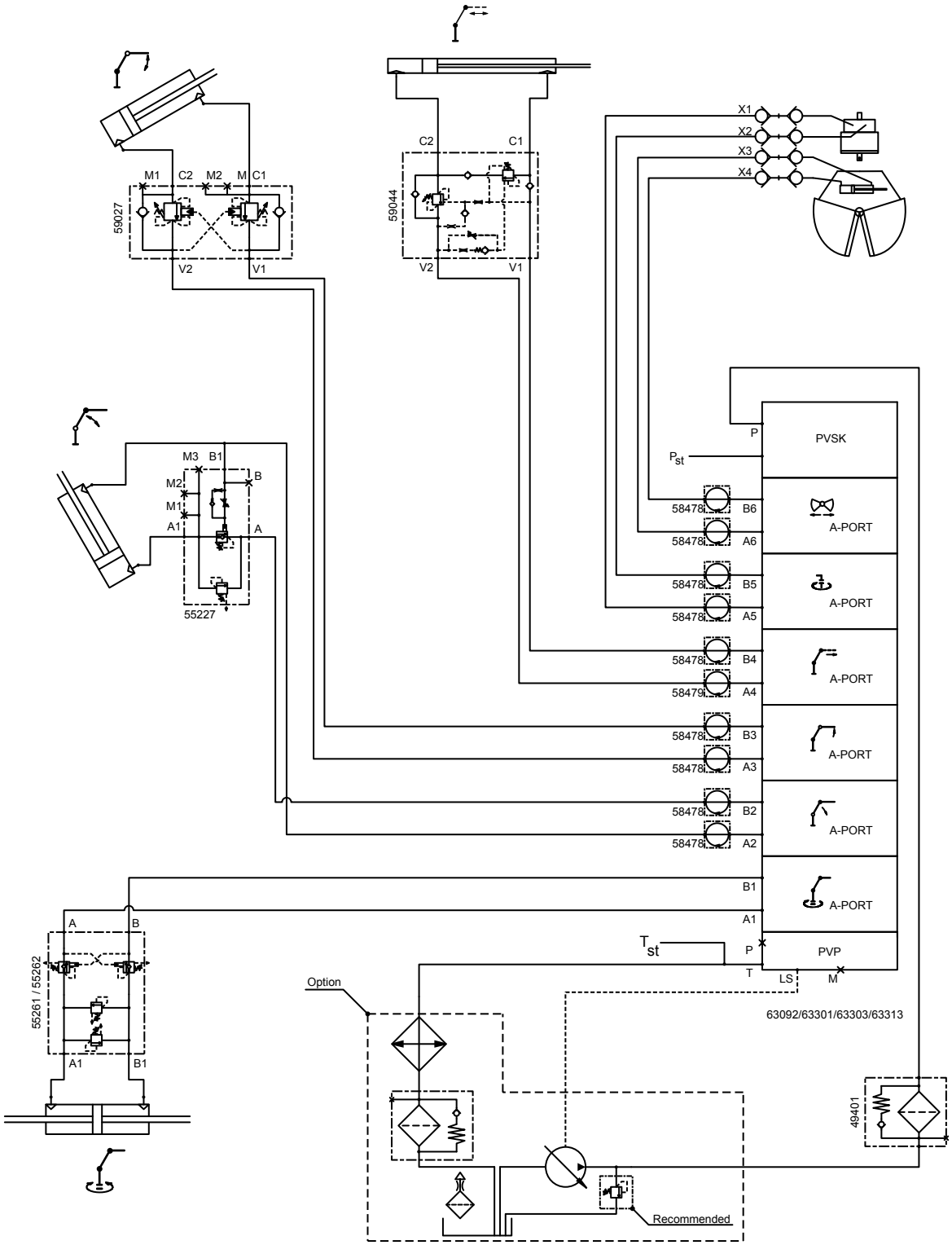
Max. pump performance		
Choice of pump	1 x Variable	1 x Variable
Pump performance	100 L/min	26.4 gpm

IMT reserves the right to introduce improvements and modifications

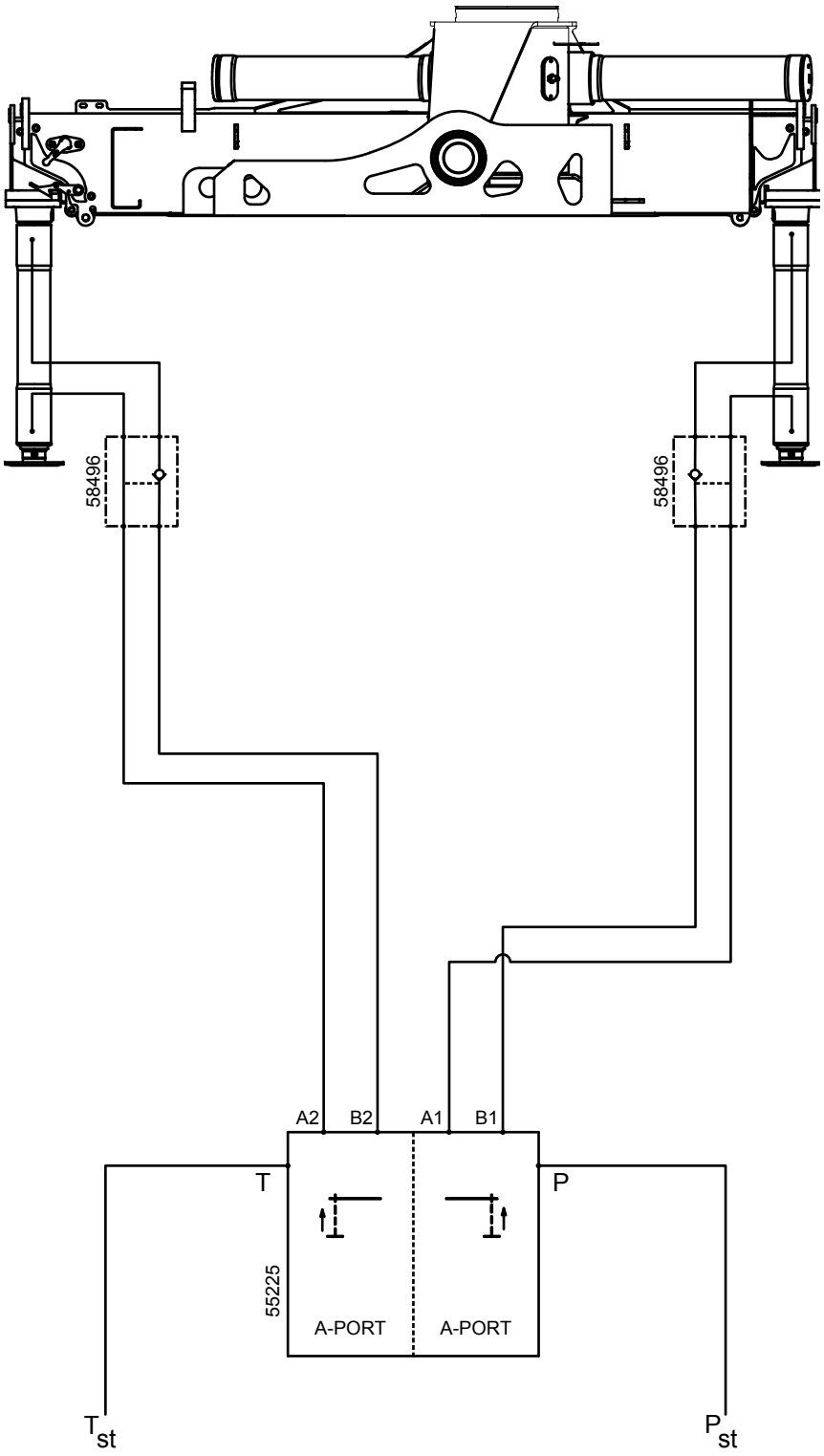
Hydraulic Diagram - Danfoss, single-circuit fixed 6 fcts. RC (2 EXV: Grab + Rotator)



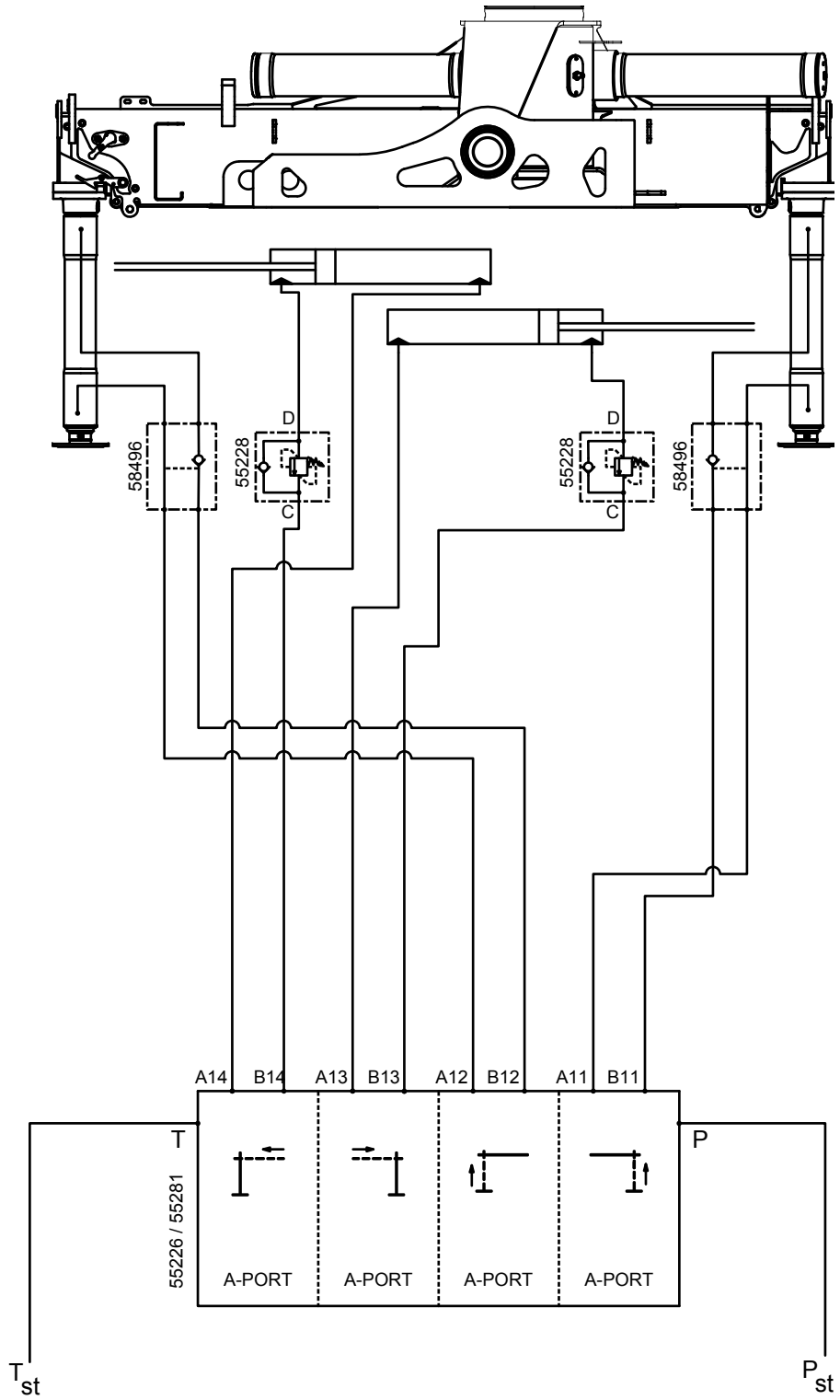
Hydraulic Diagram - Danfoss, single-circuit variable 6 fcts. RC (2 EXV: Grab + Rotator)



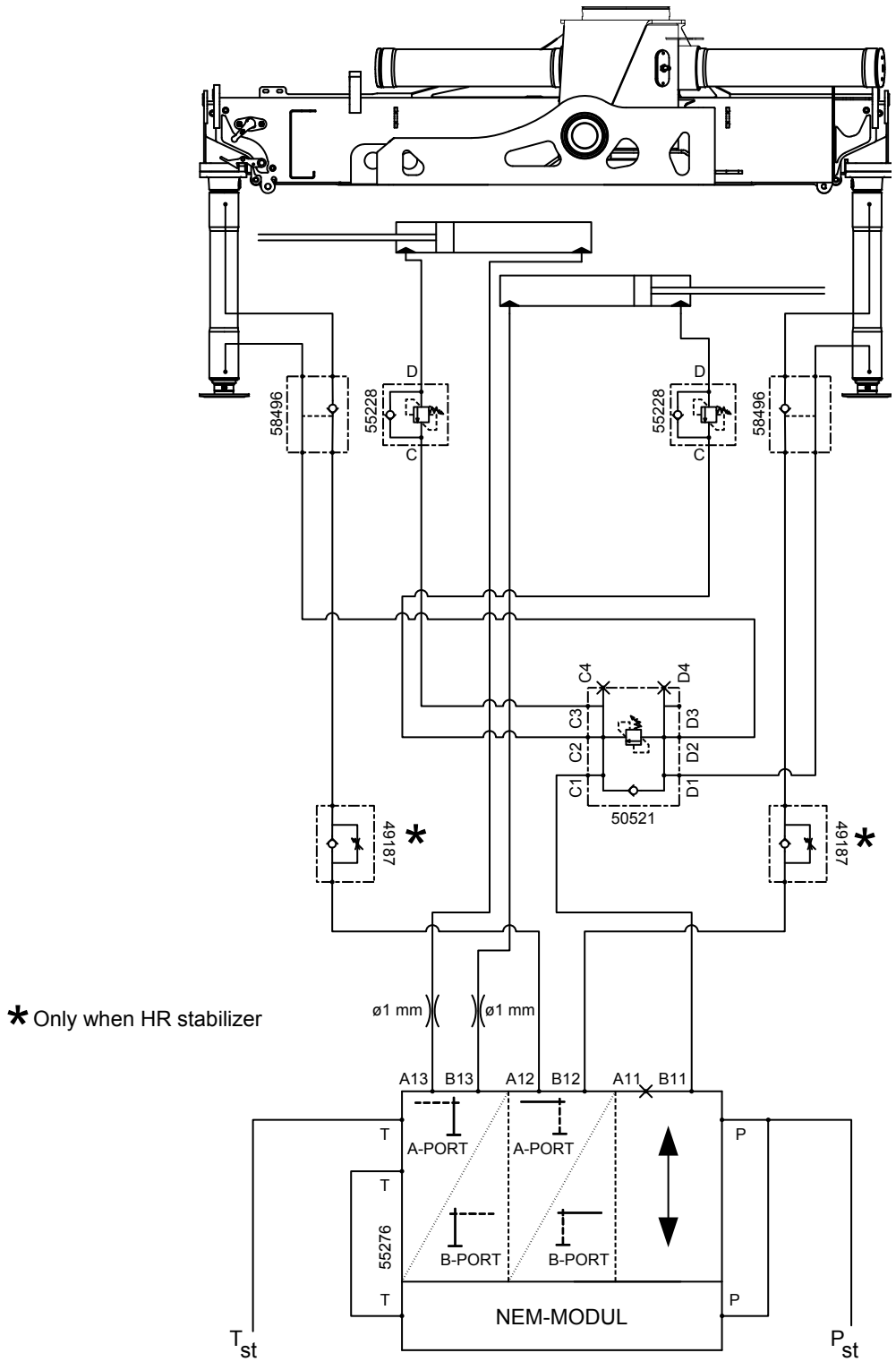
Hydraulic Diagram - Stabilizer circuit – 2 fcts.



Hydraulic Diagram - Stabilizer circuit – 4 fcts.

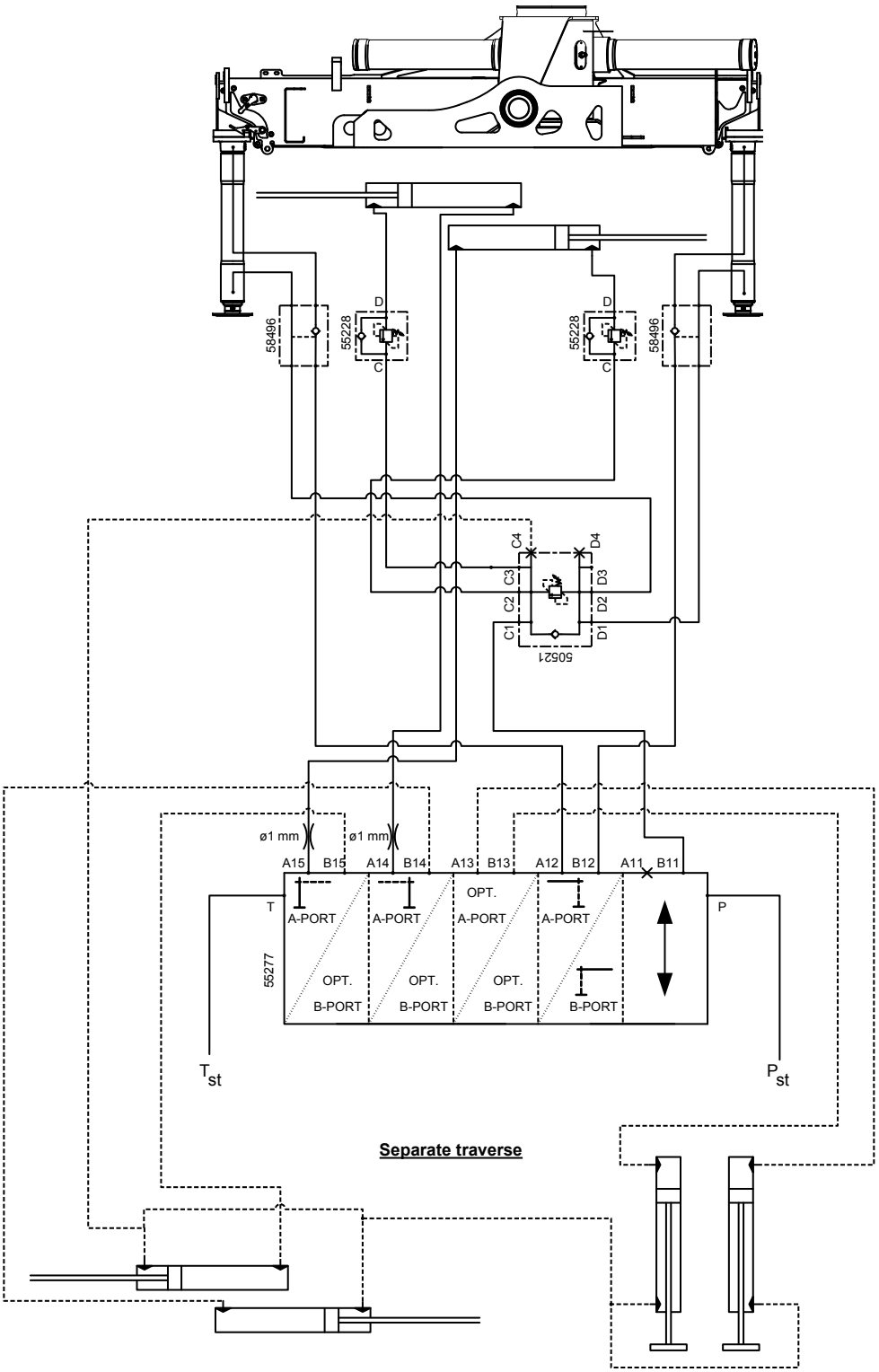


Hydraulic Diagram - Stabilizer circuit – 4 fcts. RC

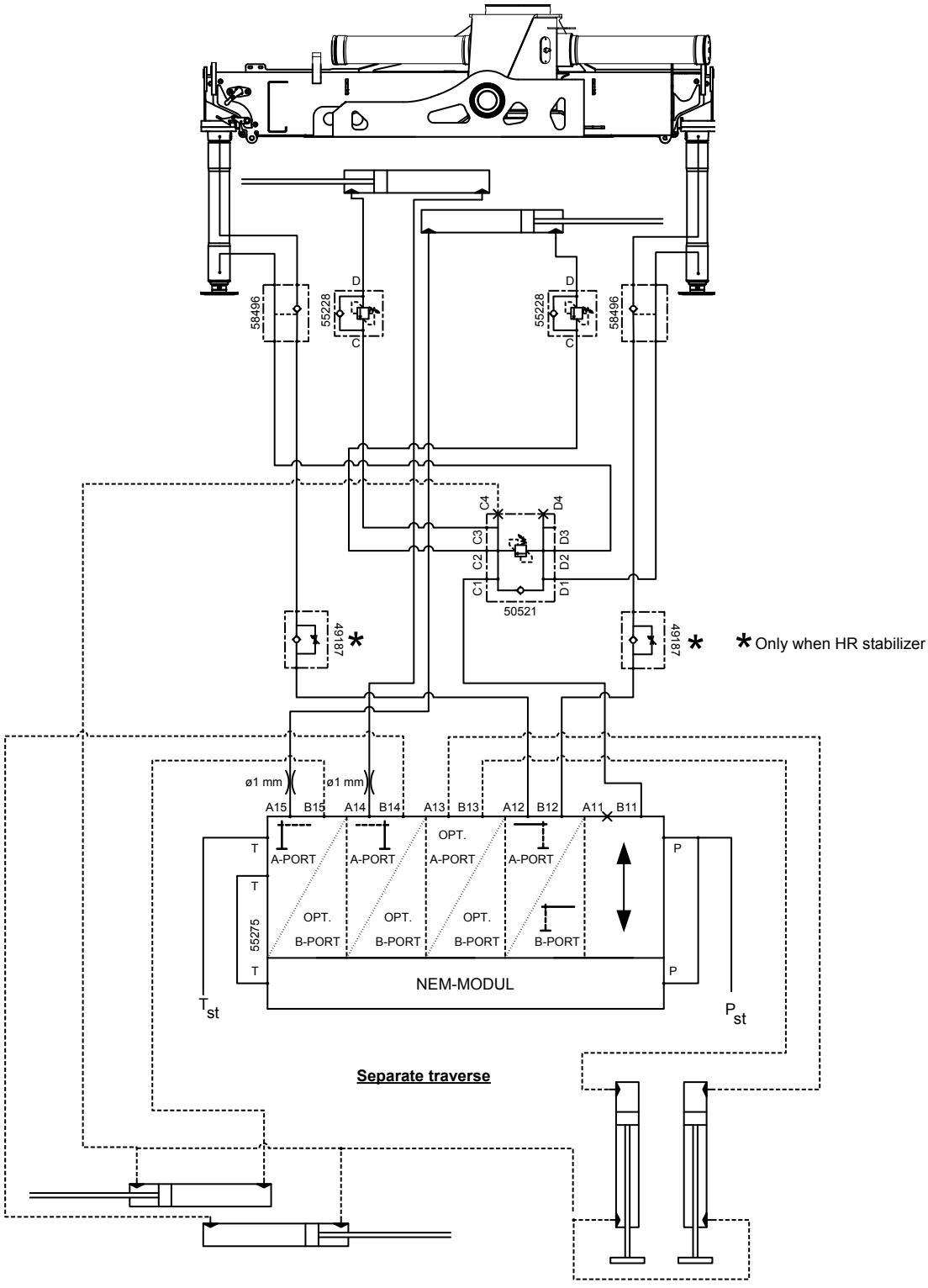


* Only when HR stabilizer

Hydraulic Diagram - Stabilizer circuit – 4 fcts. + 4 available fcts.



Hydraulic Diagram - Stabilizer circuit – 4 fcts. + 4 available fcts. RC



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14/98DL Technical Specifications

Section - 4

14/98DL Specifications

Performance	Unit	K1	K2	K3	K4	K5	K6
Loading group (EN12999)		H1/B3	H1/B3	H1/B3	H1/B3	H1/B3	H1/B3
Load moment	ft-lb	102498	99611	94630	93114	90949	88062
Hydraulic reach	ft	20’7”	27’6”	34’5”	41’11”	49’2”	56’8”
Hydraulic telescopic movement	ft	6’3”	12’11”	19’9”	27’	34’1”	41’3”
Lifting capacity, hydraulic	lb-ft	7315 - 14’1”	7030 - 14’1”	6700 - 14’5”	6370 - 14’9”	6085 - 15’1”	5820 - 15’1”
		5045 - 20’4”	4760 - 20’8”	4475 - 20’8”	4190 - 21’9”	3925 - 21’4”	3705 - 21’8”
			3595 - 27’3”	3285 - 27’3”	3020 - 27’7”	2775 - 27’10”	2555 - 28’3”
				2600 - 34’1”	2315 - 34’5”	2095 - 34’9”	1875 - 35’1”
					1895 - 41’8”	1655 - 41’11”	1455 - 42’4”
						1390 - 48’10”	1190 - 49’3”
							1015 - 56’5”
Lifting capacity, manual extensions	lb-ft		2690 - 34’1”	1980 - 41’8”	1455 - 49’3”	1100 - 56’5”	815 - 64’4”
	°		2070 - 41’4”	1540 - 49’3”	1165 - 57’1”	880 - 64’8”	
	°		1630 - 49’2”	1275 - 56’8”	970 - 64’8”		
Slewing torque, gross	°/s	12981	12981	12981	12981	12981	12981
Slewing angle	°	400	400	400	400	400	400
Max. heel at max. load moment	°	5	5	5	5	5	5
Slewing speed	°/s	24	24	24	24	24	24

Dimensions	Unit	K1	K2	K3	K4	K5	K6
Height above chassis	in	88	88	88	88	88	88
Width	in	98	98	98	98	98	98
Length, no extra valves	in	32	32	32	32	32	32
Length, with extra valves (hose guides)	in	37	37	37	37	37	37
Length, with extra valves (int. hose routing)	in	32	32	32	32	32	32
Stabilizer spread, S1 (standard)	ft	15’1”	15’1”	15’1”	15’1”	15’1”	15’1”
Stabilizer spread, S2	ft	18’4”	18’4”	18’4”	18’4”	18’4”	18’4”
Stabilizer spread, D	ft	21’2”	21’2”	21’2”	21’2”	21’2”	21’2”

Minimum Chassis Specs	
Front Axle Rating (GAWR)	12,000 lbs (5,450 kg)
Rear Axle Rating (GAWR)	21,000 lbs (9,530 kg)
Resistance to Bending Moment	1,470,000 in-lb (203,240 kg-m)

14/98DL Specifications - Continued

Weights, basic loader	Unit	K1	K2	K3	K4	K5	K6
Standard loader 1), excl. stabilizers	lbs	2998	3307	3616	3913	4178	4387
Stabilizers, S1 fixed	lbs	441	441	441	441	441	441
Stabilizers, S1 swing-up	lbs	452	452	452	452	452	452
Stabilizers, S1 hydr. swing-up	lbs	474	474	474	474	474	474
Stabilizers, S2 fixed	lbs	518	518	518	518	518	518
Stabilizers, S2 swing-up	lbs	529	529	529	529	529	529
Stabilizers, S2 hydr. swing-up	lbs	551	551	551	551	551	551
Stabilizers, D fixed	lbs	661	661	661	661	661	661
Stabilizers, D swing-up	lbs	661	661	661	661	661	661
Stabilizers, D hydr. swing-up	lbs	694	694	694	694	694	694
Mounting kit, 4 bolts	lbs	121	121	121	121	121	121
Mounting kit, 8 bolts	lbs	132	132	132	132	132	132
Tank, excl. oil (fitted on loader)	lbs	99	99	99	99	99	99
Manual extensions	lbs		187	165	143	99	88
	lbs		165	143	99	88	
	lbs		143	99	88		
Oil in loader (stowing position)	lbs	55	66	77	88	99	99

1) Weights ± 5% because of tolerances for plate thickness

Weights, equipment	Unit	K1	K2	K3	K4	K5	K6
Stand-up controls (HS), std.	lbs	132	132	132	132	132	132
Stand-up controls (HS), direct valve control	lbs	154	154	154	154	154	154
Top seat (TS)	lbs	198	198	198	198	198	198
Top seat, ladder	lbs	44	44	44	44	44	44
1 extra valve, hose guides	lbs	88	121	143	165	187	209
1 extra valve, int. hose routing	lbs	165	165	165	176	176	187
2 extra valves, hose guides	lbs	132	165	198	231	265	298
2 extra valves, int. hose routing	lbs	287	287	287	309	320	331
Winch (1.5 t), single snatch block	lbs	386	386	386	386	386	397
Winch (1.5 t), double snatch block	lbs	375	375	375	375	375	386
Winch (2.5 t), single snatch block	lbs	441	441	441	441	441	452
Winch (2.5 t), double snatch block	lbs	430	430	430	430	430	441
High-pressure filter	lbs	15	15	15	15	15	15
Oil cooler	lbs	55	55	55	55	55	55

14/98DL Specifications - Continued

Max. Load on stabilizers (per stabilizer cylinder)	Unit	K1	K2	K3	K4	K5	K6
S1, fixed	Lbf	19	19	19	19	19	19
S1, swing-up	Lbf	19	19	19	19	19	19
S1, hydr. swing-up	Lbf	19	19	19	19	19	19
S2, fixed	Lbf	19	19	19	19	19	19
S2, swing-up	Lbf	19	19	19	19	19	19
S2, hydr. swing-up	Lbf	19	19	19	19	19	19
D, fixed	Lbf	15	15	15	15	15	15
D, swing-up	Lbf	15	15	15	15	15	15
D, hydr. swing-up	Lbf	15	15	15	15	15	15

Power consumption (oil capacity)	Unit	K1	K2	K3	K4	K5	K6
Working pressure	PSI	5003	5003	5003	5003	5003	5003
Tank capacity (fitted on loader)	gal	23	23	23	23	23	23
Max. pump performance, Hydrocontrol, 1-circuit	gpm	11	11	11	11	11	11
Max. pump performance, Hydrocontrol, 2-circuit	gpm	-	-	-	-	-	-
Max. pump performance, Danfoss fixed flow	gpm	18	18	18	18	18	18
Max. pump performance, Danfoss variable	gpm	26	26	26	26	26	26

14/98DL Metric Specifications

Performance	Unit	K1	K2	K3	K4	K5	K6
Loading group (EN12999)		H1/B3	H1/B3	H1/B3	H1/B3	H1/B3	H1/B3
Load moment	tm	14.2	13.8	13.4	12.9	12.6	12.2
Hydraulic reach	m	6.3	8.4	10.5	12.8	15	17.3
Hydraulic telescopic movement	mm	1930	3940	6040	8230	10390	12580
Lifting capacity, hydraulic	kg-m	3320 - 4.3	3190 - 4.3	3040 - 4.4	2890 - 4.5	2760 - 4.6	2640 - 4.6
		2290 - 6.2	2160 - 6.3	2030 - 6.3	1900 - 6.4	1780 - 6.5	1680 - 6.6
			1630 - 8.3	1490 - 8.3	1370 - 8.4	1260 - 8.5	1160 - 8.6
				1180 - 10.4	1050 - 10.5	950 - 10.6	850 - 10.7
					860 - 12.7	750 - 12.8	660 - 12.9
						630 - 14.9	540 - 15.0
							460 - 17.2
Lifting capacity, manual extensions	kg-m		1220 - 10.4	900 - 12.7	660 - 15.1	500 - 17.2	370 - 19.6
			940 - 12.6	700 - 15.0	530 - 17.4	400 - 19.6	
			740 - 15.0	580 - 17.3	440 - 19.7		
Slewing torque, gross	kNm	17.6	17.6	17.6	17.6	17.6	17.6
Slewing angle	°	400	400	400	400	400	400
Max. heel at max. load moment	◦	5	5	5	5	5	5
Slewing speed	°/s	24	24	24	24	24	24

Dimensions	Unit	K1	K2	K3	K4	K5	K6
Height above chassis	mm	2250	2250	2250	2250	2250	2250
Width	mm	2500	2500	2500	2500	2500	2500
Length, no extra valves	mm	825	825	825	825	825	825
Length, with extra valves (hose guides)	mm	950	950	950	950	950	950
Length, with extra valves (int. hose routing)	mm	825	825	825	825	825	825
Stabilizer spread, S1 (standard)	mm	4615	4615	4615	4615	4615	4615
Stabilizer spread, S2	mm	5590	5590	5590	5590	5590	5590
Stabilizer spread, D	mm	6470	6470	6470	6470	6470	6470

14/98DL Metric Specifications - Continued

Weights, basic loader	Unit	K1	K2	K3	K4	K5	K6
Standard loader 1), excl. stabilizers	kg	1360	1500	1640	1775	1895	1990
Stabilizers, S1 fixed	kg	200	200	200	200	200	200
Stabilizers, S1 swing-up	kg	205	205	205	205	205	205
Stabilizers, S1 hydr. swing-up	kg	215	215	215	215	215	215
Stabilizers, S2 fixed	kg	235	235	235	235	235	235
Stabilizers, S2 swing-up	kg	240	240	240	240	240	240
Stabilizers, S2 hydr. swing-up	kg	250	250	250	250	250	250
Stabilizers, D fixed	kg	300	300	300	300	300	300
Stabilizers, D swing-up	kg	300	300	300	300	300	300
Stabilizers, D hydr. swing-up	kg	315	315	315	315	315	315
Mounting kit, 4 bolts	kg	55	55	55	55	55	55
Mounting kit, 8 bolts	kg	60	60	60	60	60	60
Tank, excl. oil (fitted on loader)	kg	45	45	45	45	45	45
Manual extensions	kg		85	75	65	45	40
	kg		75	65	45	40	
	kg		65	45	40		
Oil in loader (stowing position)	kg	25	30	35	40	45	45

1) Weights ± 5% because of tolerances for plate thickness

Weights, equipment	Unit	K1	K2	K3	K4	K5	K6
Stand-up controls (HS), std.	kg	60	60	60	60	60	60
Stand-up controls (HS), direct valve control	kg	70	70	70	70	70	70
Top seat (TS)	kg	90	90	90	90	90	90
Top seat, ladder	kg	20	20	20	20	20	20
1 extra valve, hose guides	kg	40	55	65	75	85	95
1 extra valve, int. hose routing	kg	75	75	75	80	80	85
2 extra valves, hose guides	kg	60	75	90	105	120	135
2 extra valves, int. hose routing	kg	130	130	130	140	145	150
Winch (1.5 t), single snatch block	kg	175	175	175	175	175	180
Winch (1.5 t), double snatch block	kg	170	170	170	170	170	175
Winch (2.5 t), single snatch block	kg	200	200	200	200	200	205
Winch (2.5 t), double snatch block	kg	195	195	195	195	195	200
High-pressure filiter	kg	7	7	7	7	7	7
Oil cooler	kg	25	25	25	25	25	25

14/98DL Metric Specifications - Continued

Max. Load on stabilizers (per stabilizer cylinder)	Unit	K1	K2	K3	K4	K5	K6
S1, fixed	kN	85	85	85	85	85	85
S1, swing-up	kN	85	85	85	85	85	85
S1, hydr. swing-up	kN	85	85	85	85	85	85
S2, fixed	kN	85	85	85	85	85	85
S2, swing-up	kN	85	85	85	85	85	85
S2, hydr. swing-up	kN	85	85	85	85	85	85
D, fixed	kN	68	68	68	68	68	68
D, swing-up	kN	68	68	68	68	68	68
D, hydr. swing-up	kN	68	68	68	68	68	68

Power consumption (oil capacity)	Unit	K1	K2	K3	K4	K5	K6
Working pressure	Bar	345	345	345	345	345	345
Tank capacity (fitted on loader)	L	90	90	90	90	90	90
Max. pump performance, Hydrocontrol, 1-circuit	L/min	45	45	45	45	45	45
Max. pump performance, Hydrocontrol, 2-circuit	L/min	-	-	-	-	-	-
Max. pump performance, Danfoss fixed flow	L/min	70	70	70	70	70	70
Max. pump performance, Danfoss variable	L/min	100	100	100	100	100	100

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14/98DL Load Capacity Charts

Section - 5

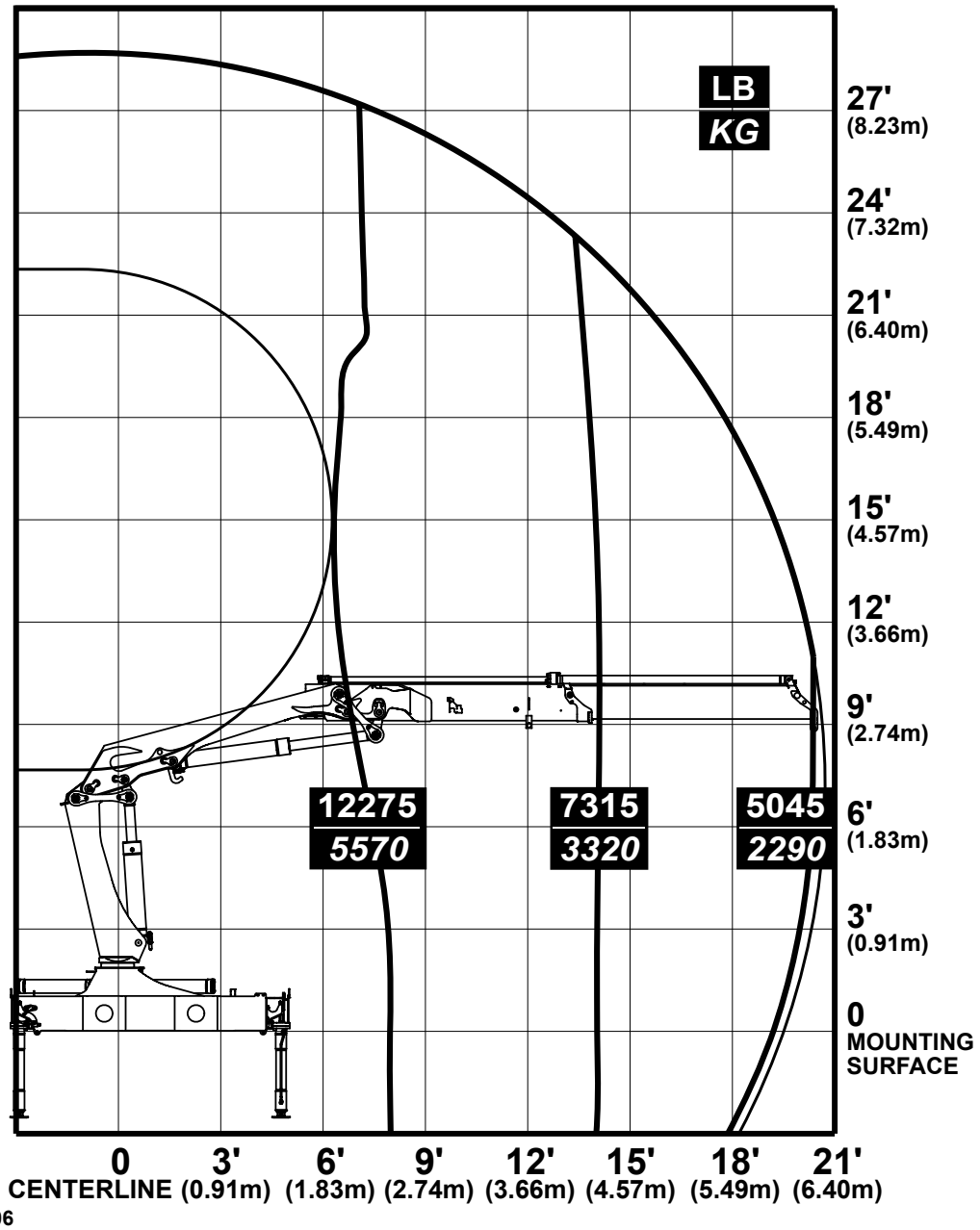
14/98DL Lifting Capacity Chart, K1

IMT
MATERIAL HANDLING SYSTEMS

IOWA MOLD TOOLING CO., INC.
BOX 189 • GARNER • IA • 50438 • 641-923-3711

Model 14/98DL K1

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



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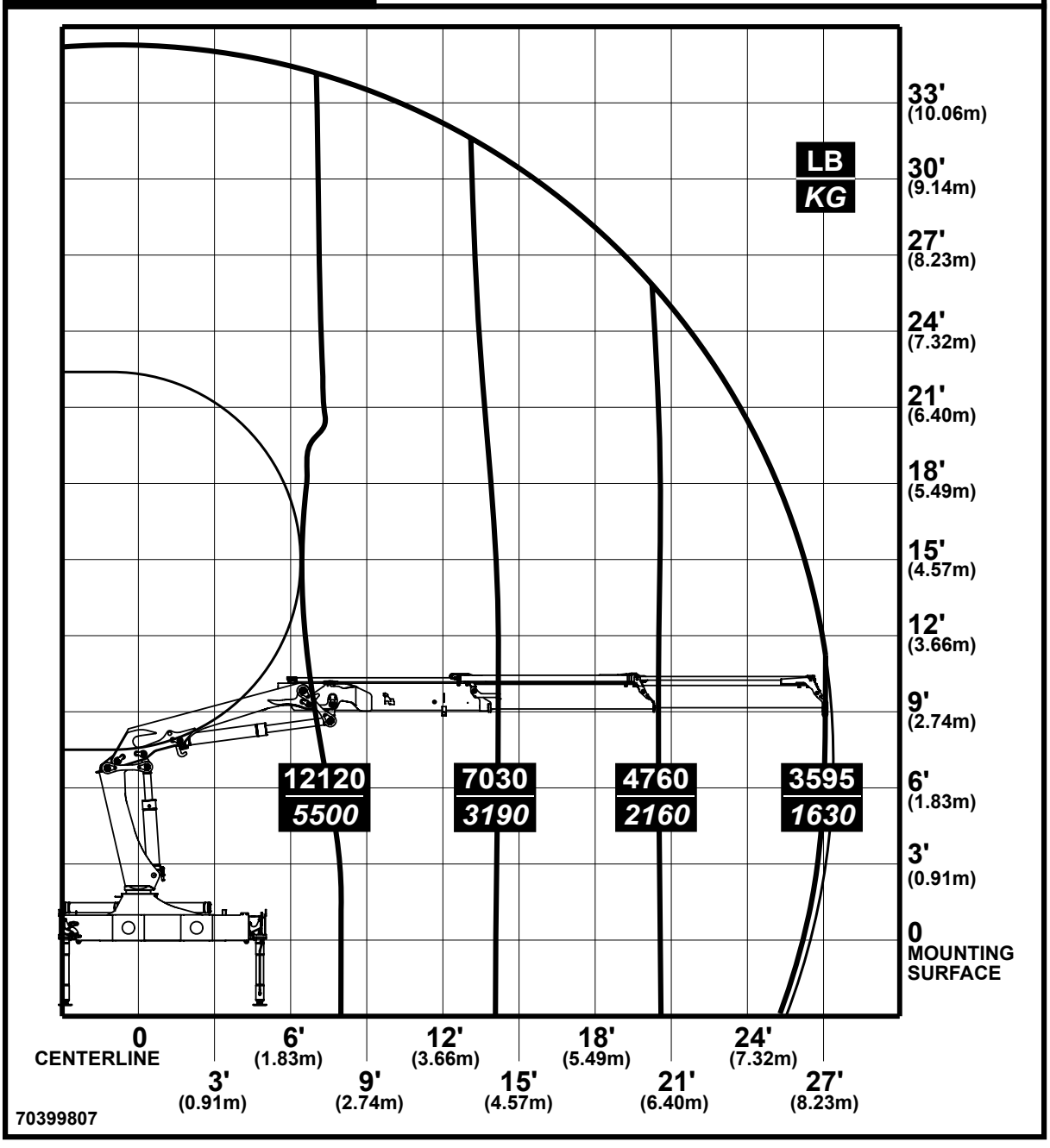
14/98DL Lifting Capacity Chart, K2

IMT
MATERIAL HANDLING SYSTEMS

IOWA MOLD TOOLING CO., INC.
BOX 189 • GARNER • IA • 50438 • 641-923-3711

Model 14/98DL K2

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



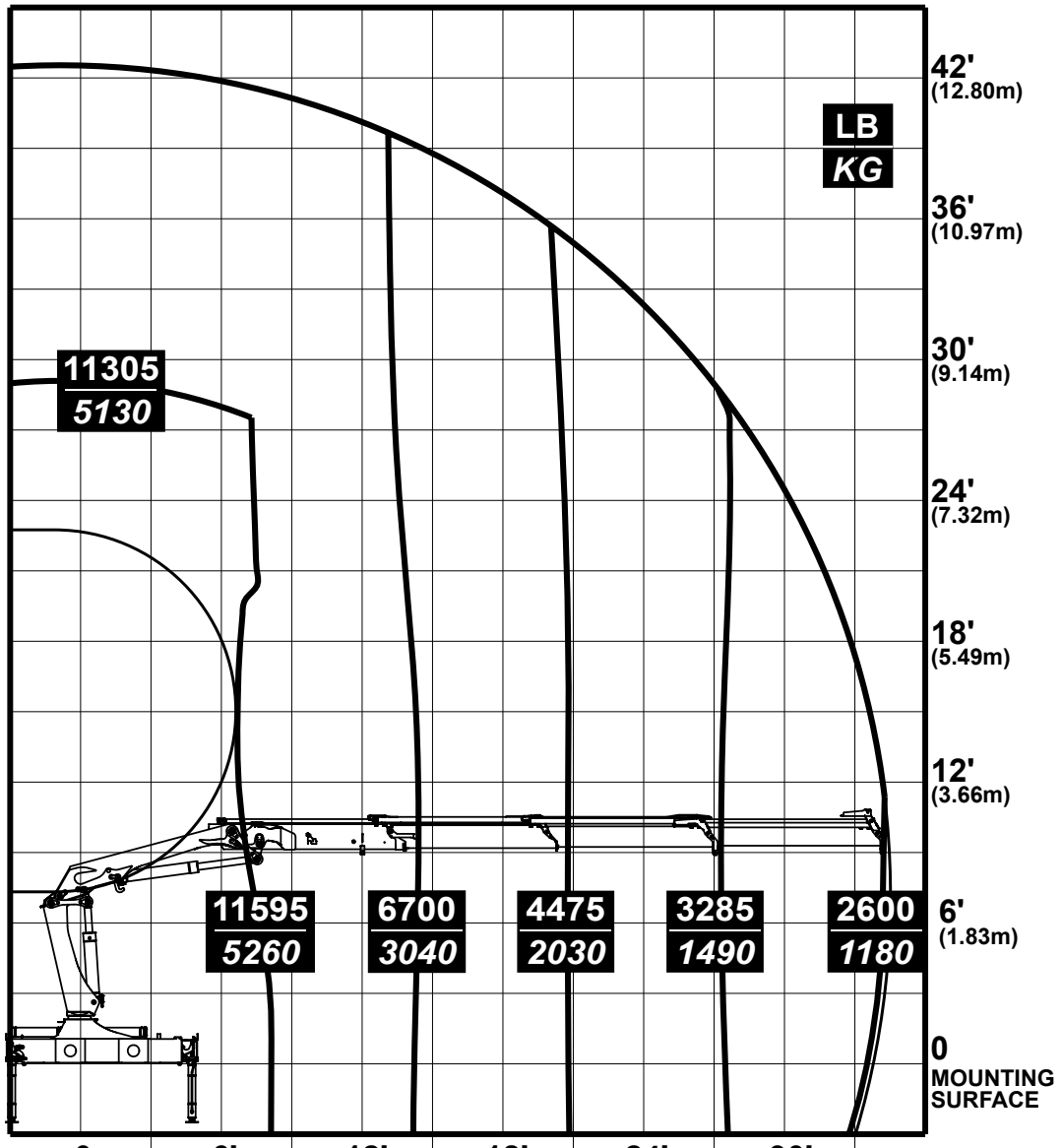
14/98DL Lifting Capacity Chart, K3

IMT
MATERIAL HANDLING SYSTEMS

IOWA MOLD TOOLING CO., INC.
BOX 189 • GARNER • IA • 50438 • 641-923-3711

Model 14/98DL K3

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



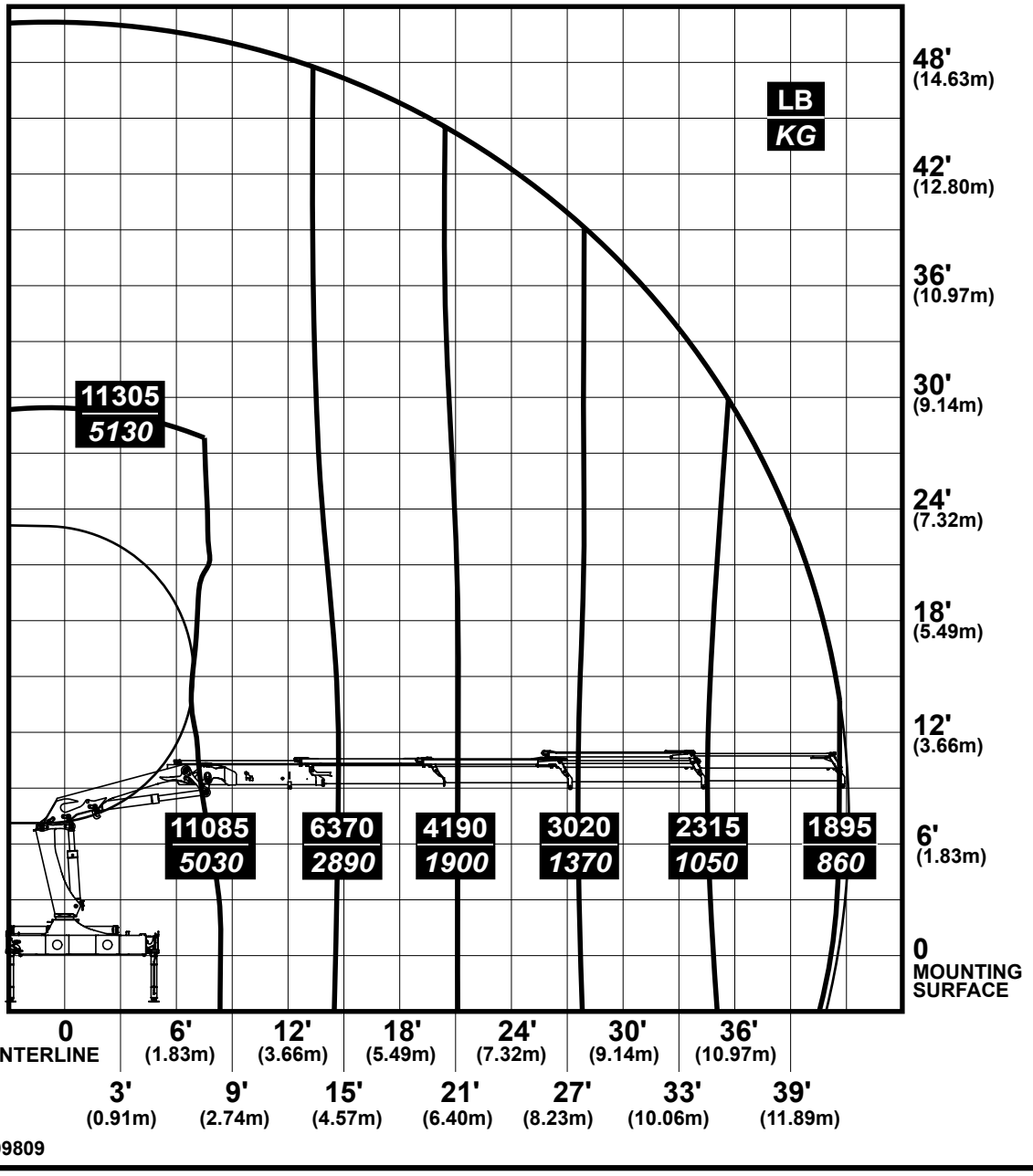
14/98DL Lifting Capacity Chart, K4

IMT
MATERIAL HANDLING SYSTEMS

IOWA MOLD TOOLING CO., INC.
BOX 189 • GARNER • IA • 50438 • 641-923-3711

Model 14/98DL K4

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



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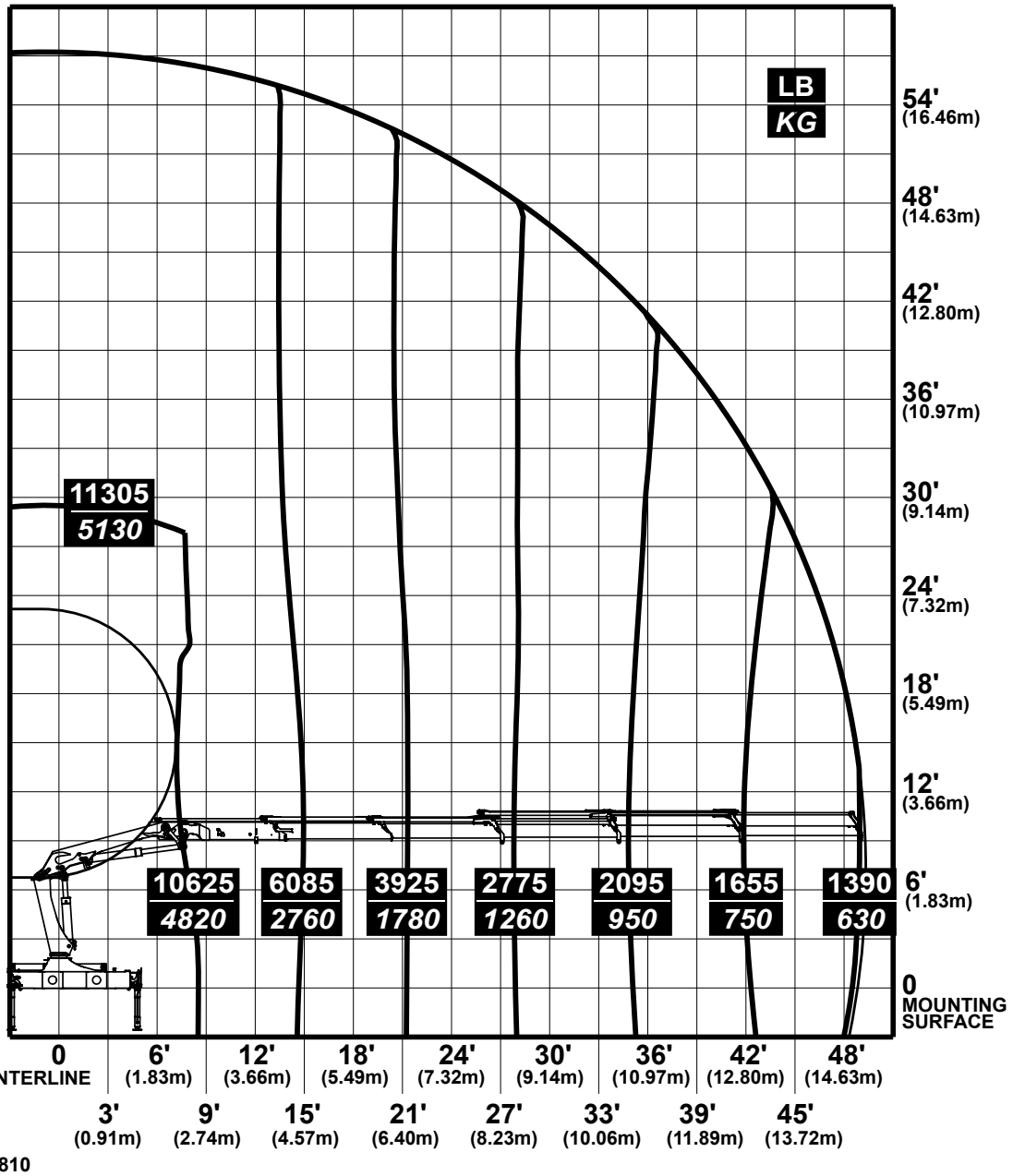
14/98DL Lifting Capacity Chart, K5

IMT
MATERIAL HANDLING SYSTEMS

IOWA MOLD TOOLING CO., INC.
BOX 189 • GARNER • IA • 50438 • 641-923-3711

Model 14/98DL K5

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



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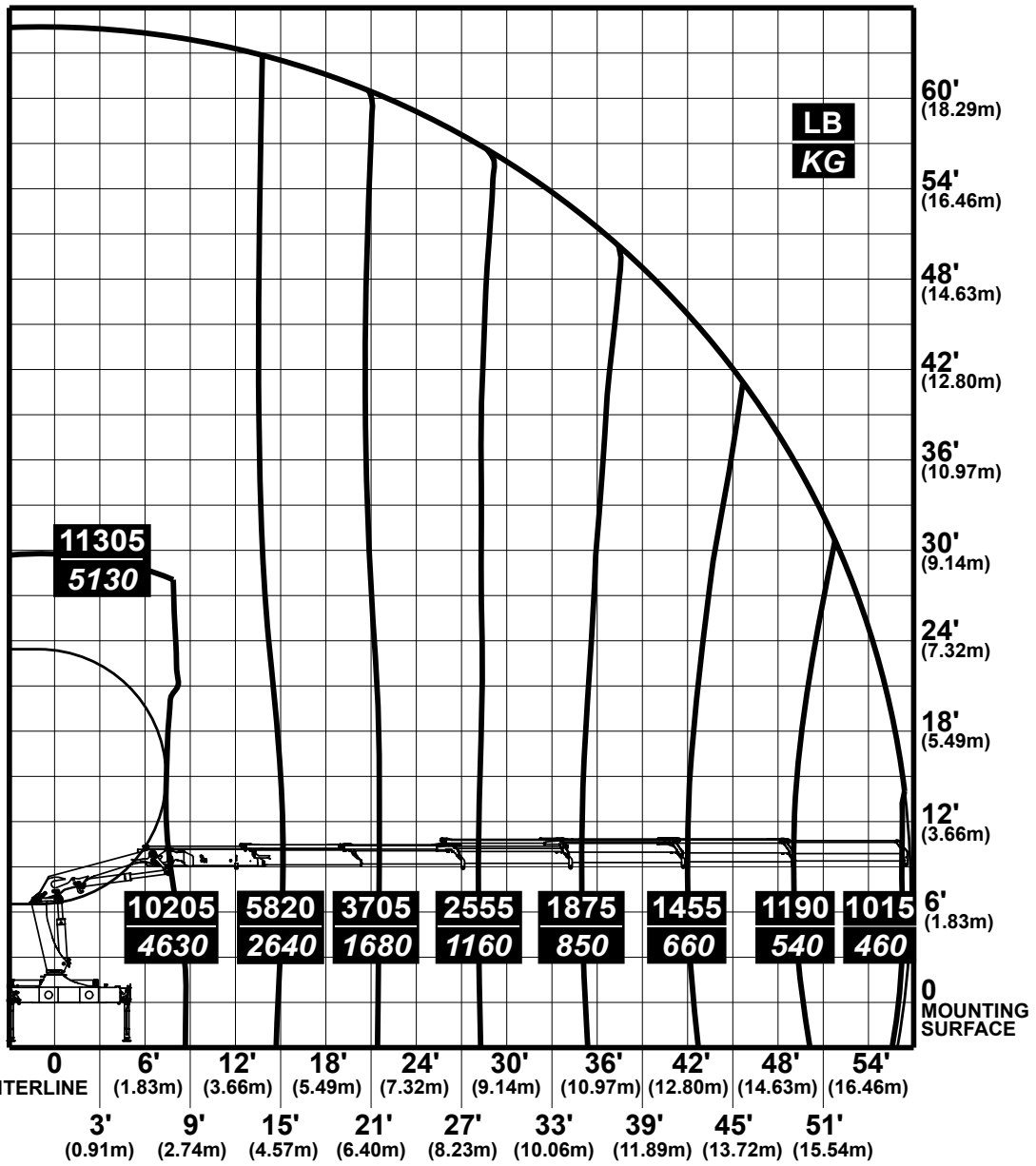
14/98DL Lifting Capacity Chart, K6

IMT
MATERIAL HANDLING SYSTEMS

IOWA MOLD TOOLING CO., INC.
BOX 189 • GARNER • IA • 50438 • 641-923-3711

Model 14/98DL K6

- **Limit working loads to those shown. Deduct the weight of load handling devices.**
- ***El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.***



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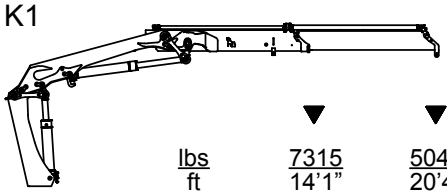
14/98DL Lifting Capacity, K1 - K6

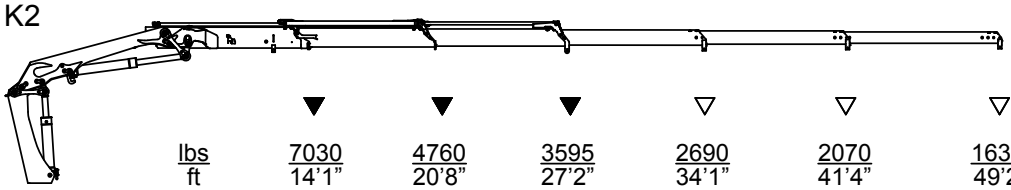
▽ Lifting capacity with manual extensions
▼ Lifting capacity without manual extensions

K1



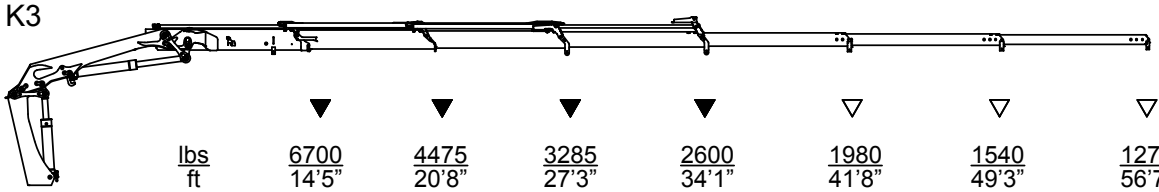
lbs ft	7315 14’1”	5045 20’4”
kg ***m***	***3320*** ***4.3***	***2290*** ***6.2***

K2



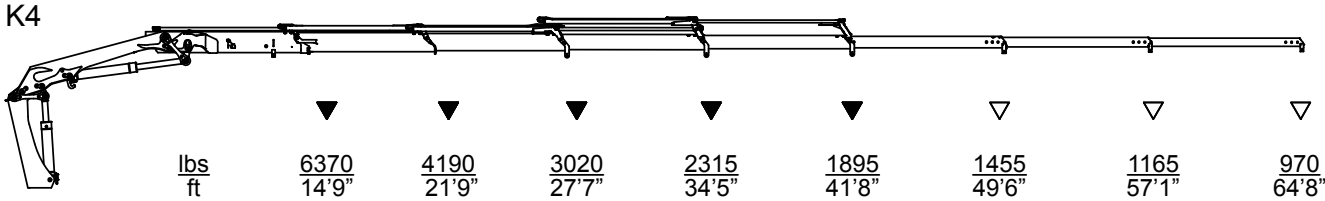
lbs ft	7030 14’1”	4760 20’8”	3595 27’2”	2690 34’1”	2070 41’4”	1630 49’2”
kg ***m***	***3190*** ***4.3***	***2160*** ***6.3***	***1630*** ***8.3***	***1220*** ***10.4***	***940*** ***12.6***	***740*** ***15***

K3



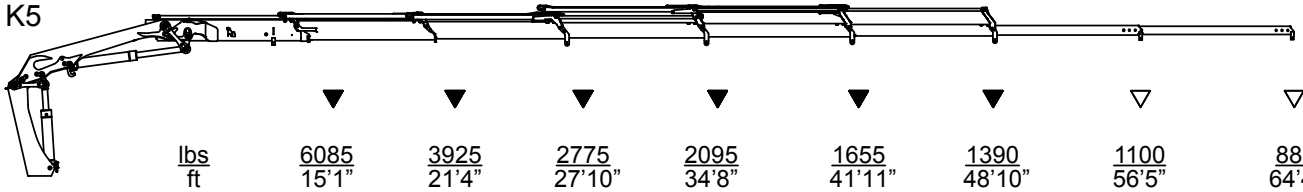
lbs ft	6700 14’5”	4475 20’8”	3285 27’3”	2600 34’1”	1980 41’8”	1540 49’3”	1275 56’7”
kg ***m***	***3040*** ***4.4***	***2030*** ***6.3***	***1490*** ***8.3***	***1180*** ***10.4***	***900*** ***12.7***	***700*** ***15***	***580*** ***17.3***

K4



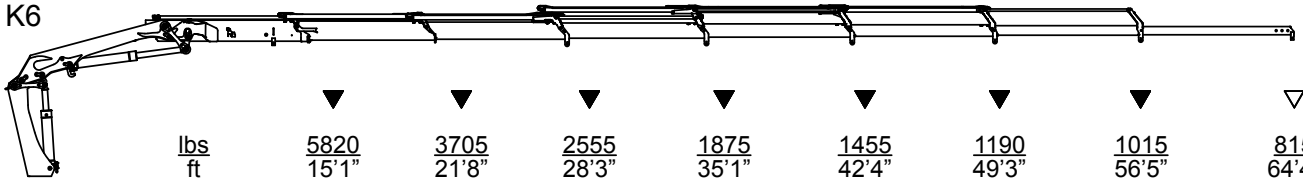
lbs ft	6370 14’9”	4190 21’9”	3020 27’7”	2315 34’5”	1895 41’8”	1455 49’6”	1165 57’1”	970 64’8”
kg ***m***	***2890*** ***4.8***	***1900*** ***6.7***	***1370*** ***8.6***	***1050*** ***10.5***	***860*** ***12.7***	***660*** ***15.1***	***530*** ***17.4***	***440*** ***19.7***

K5



lbs ft	6085 15’1”	3925 21’4”	2775 27’10”	2095 34’8”	1655 41’11”	1390 48’10”	1100 56’5”	880 64’4”
kg ***m***	***2760*** ***4.6***	***1780*** ***6.5***	***1260*** ***8.5***	***950*** ***10.6***	***750*** ***12.8***	***630*** ***14.9***	***500*** ***17.2***	***400*** ***19.6***

K6



lbs ft	5820 15’1”	3705 21’8”	2555 28’3”	1875 35’1”	1455 42’4”	1190 49’3”	1015 56’5”	815 64’4”
kg ***m***	***2640*** ***4.8***	***1680*** ***6.6***	***1160*** ***8.6***	***850*** ***10.7***	***660*** ***12.9***	***540*** ***15.0***	***460*** ***17.2***	***370*** ***19.6***

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14/98DL Hydraulics

Section - 6

14/98DL - Pressure setting diagram, variable flow pump & Danfoss RC

Working Pressure on Main-Relief Valve & Port- Relief Valves						
Function	**Direction**	**Port**	**Port-relief valves [bar]**	**LS-pressure adjustment [bar]**	**Port-relief valves [PSI]**	**LS-pressure adjustment [PSI]**
Main-relief valve			345		4786	
Slewing system	Right	A	P	180	P	2611
	Left	B	P	180	P	2611
Boom cylinder	Down	A	125	100	1813	1450
	Up	B	350	350	5076	5076
Jib cylinder	Up	A	350	350	5076	5076
	Down	B	250	230	3626	3336
Extension cylinders	Extend	A	P	-	P	-
	Retract	B	P	-	P	-
Rotator	Right	A	P	50-300	P	725-4351
	Left	B	P	50-300	P	725-4351
Grab	Open	A	P	50-300	P	725-4351
	Close	B	P	50-300	P	725-4351
Winch 1,5T	Lift	A	P	160	P	2321
	Lower	B	P	160	P	2321
Winch 2,5T	Lift	A	P	185	P	2683
	Lower	B	P	185	P	2683
Separate stabilizer valve		All	150		2176	

Working Pressure on Load-holding Valves			
Function	**Direction**	**Opening pressure [bar]**	**Opening pressure [PSI]**
Slewing system	Right	185	2683
	Left	185	2683
Boom cylinder	Up	365	5294
	Down	-	-
Jib cylinder	Up	380	5511
	Down	300	4351
Extension cylinders	Retract	430	6237
	Extend	210	3046

Pressure setting for Load Moment Limitation (LMB)		
Load moment limitation (LMB)	330 [bar]	4786 [PSI]
HDL	285 [bar]	4134 [PSI]

Max. pump performance		
Choice of pump	1 x Fixed	1 x Fixed
Pump performance	70 L/min	18.5 gpm

IMT reserves the right to introduce improvements and modifications

14/98DL - Pressure setting diagram, fixed flow pump & Danfoss RC

Working Pressure on Main-Relief Valve & Port- Relief Valves						
Function	**Direction**	**Port**	**Port-relief valves [bar]**	**LS-pressure adjustment [bar]**	**Port-relief valves [PSI]**	**LS-pressure adjustment [PSI]**
Main-relief valve			345		4786	
Slewing system	Right	A	P	180	P	2611
	Left	B	P	180	P	2611
Boom cylinder	Down	A	125	100	1813	1450
	Up	B	350	380	5076	5511
Jib cylinder	Up	A	350	380	5076	5511
	Down	B	250	230	3626	3336
Extension cylinders	Extend	A	P	300	P	4351
	Retract	B	P	300	P	4351
Rotator	Right	A	P	50-300	P	725-4351
	Left	B	P	50-300	P	725-4351
Grab	Open	A	P	50-300	P	725-4351
	Close	B	P	50-300	P	725-4351
Winch 1,5T	Lift	A	P	160	P	2321
	Lower	B	P	160	P	2321
Winch 2,5T	Lift	A	P	185	P	2683
	Lower	B	P	185	P	2683
Separate stabilizer valve		All	150		2176	

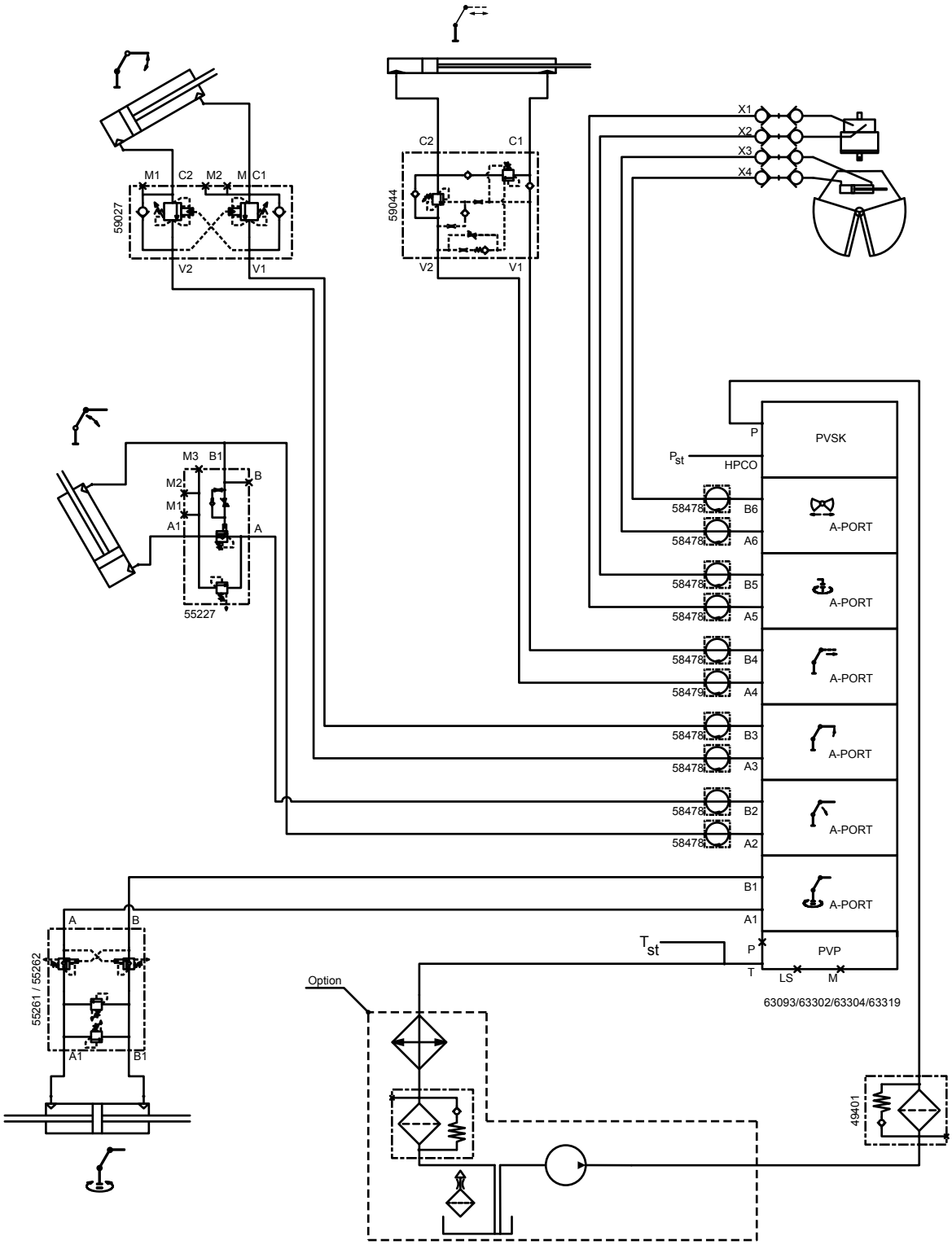
Working Pressure on Load-holding Valves			
Function	**Direction**	**Opening pressure [bar]**	**Opening pressure [PSI]**
Slewing system	Right	185	2683
	Left	185	2683
Boom cylinder	Up	365	5294
	Down	-	-
Jib cylinder	Up	380	5511
	Down	300	4351
Extension cylinders	Retract	430	6237
	Extend	210	3046

Pressure setting for Load Moment Limitation (LMB)		
Load moment limitation (LMB)	330 [bar]	4786 [PSI]
HDL	285 [bar]	4134 [PSI]

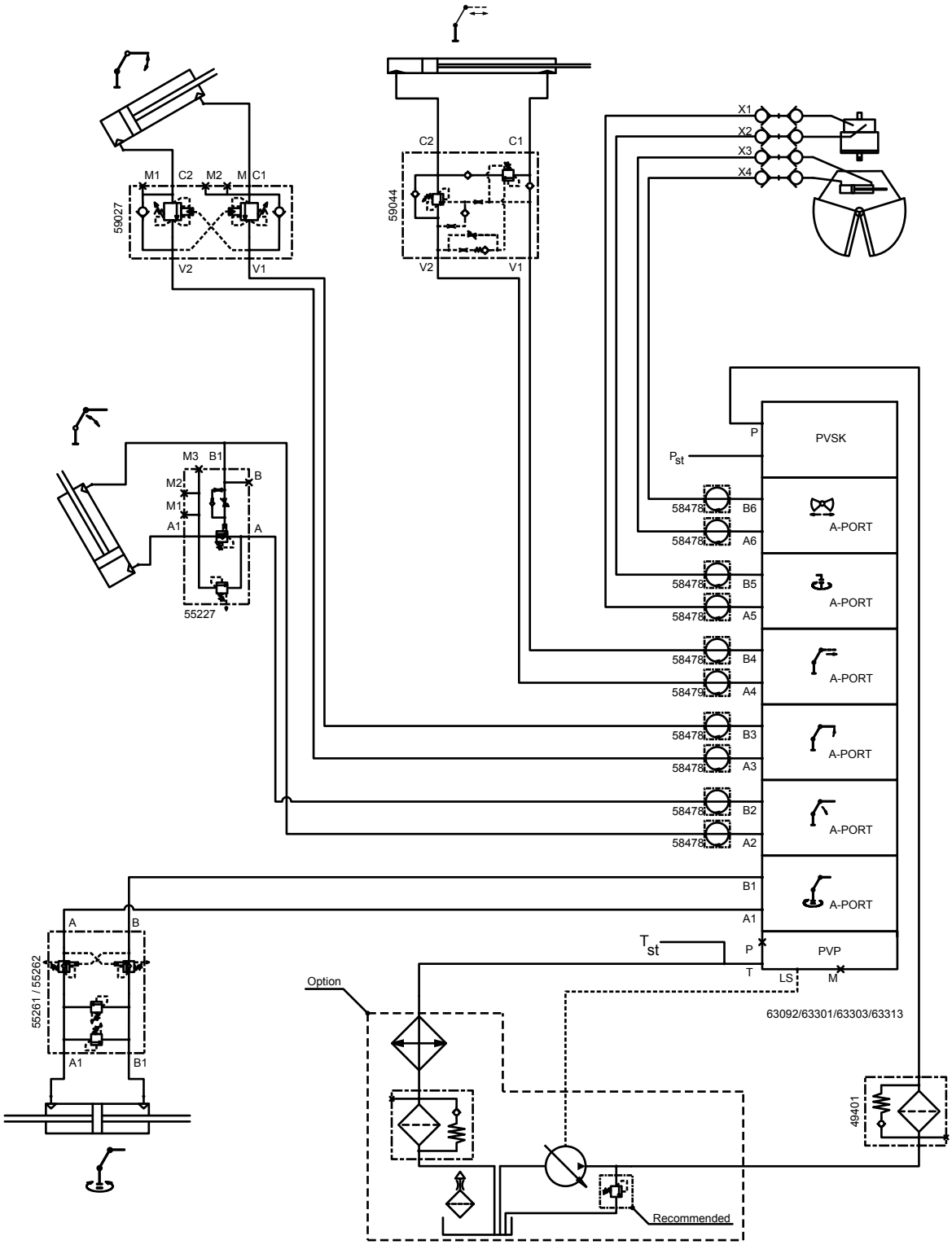
Max. pump performance		
Choice of pump	1 x Variable	1 x Variable
Pump performance	100 L/min	26.4 gpm

IMT reserves the right to introduce improvements and modifications

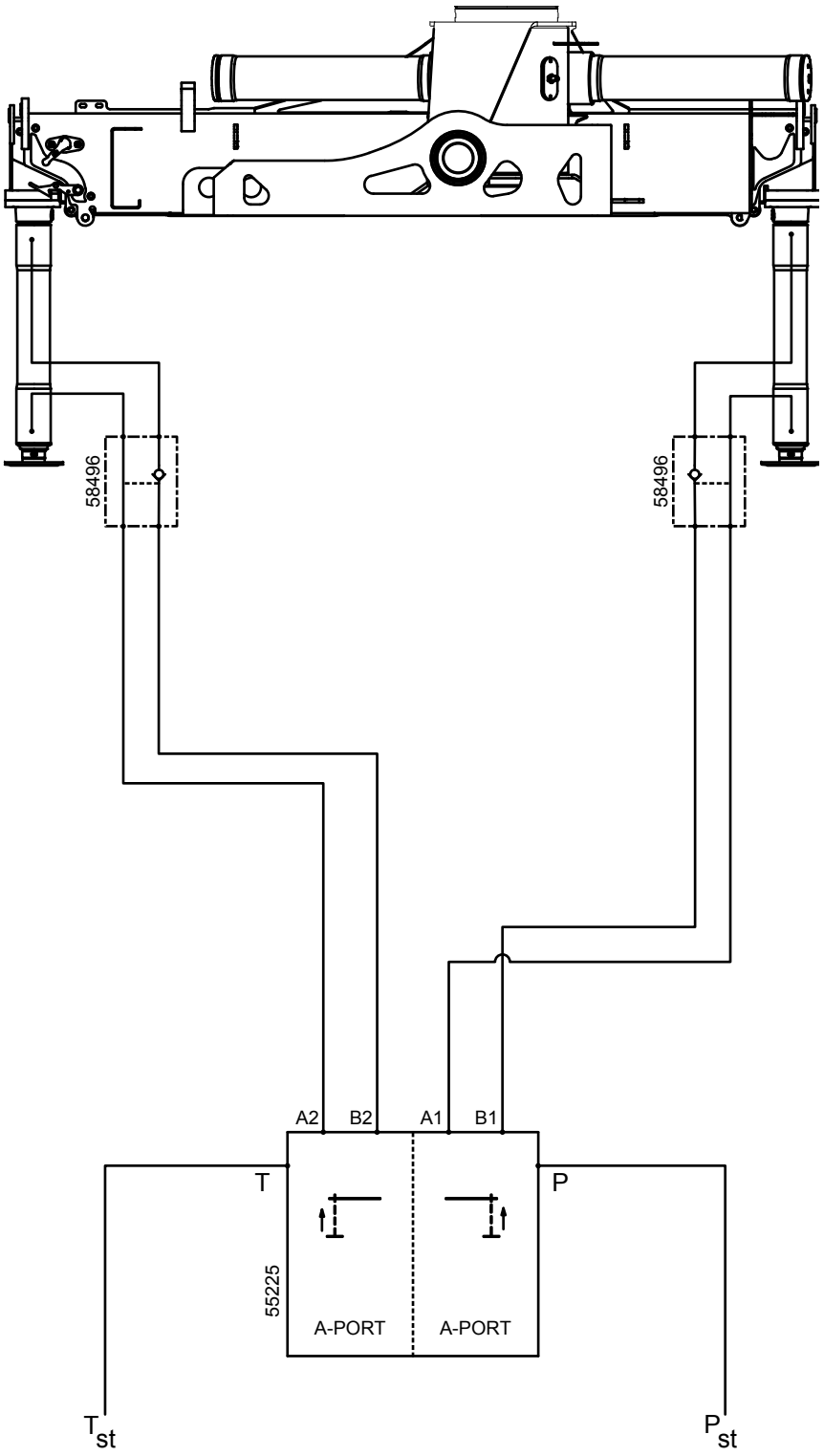
Hydraulic Diagram - Danfoss, single-circuit fixed 6 fcts. RC (2 EXV: Grab + Rotator)



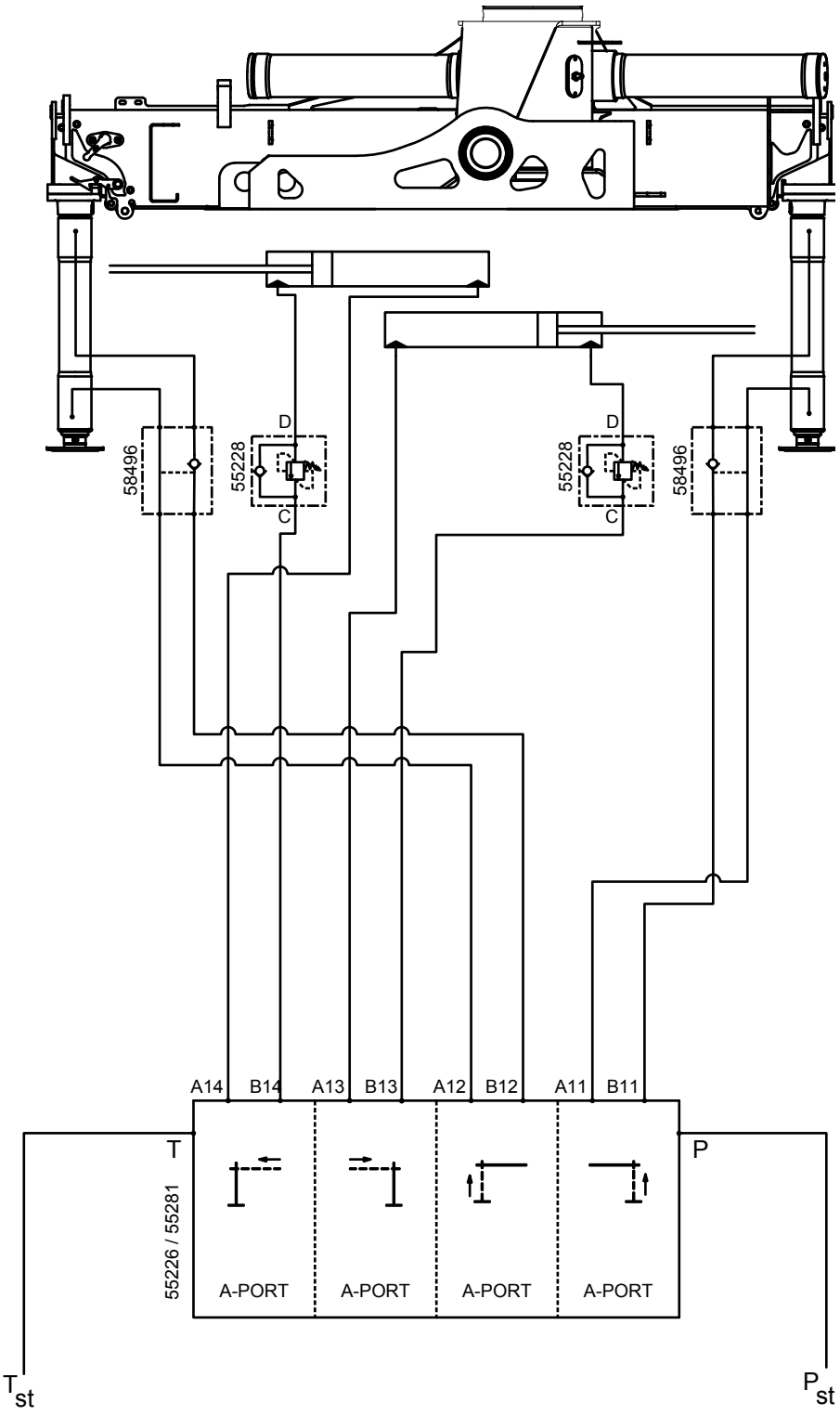
Hydraulic Diagram - Danfoss, single-circuit variable 6 fcts. RC (2 EXV: Grab + Rotator)



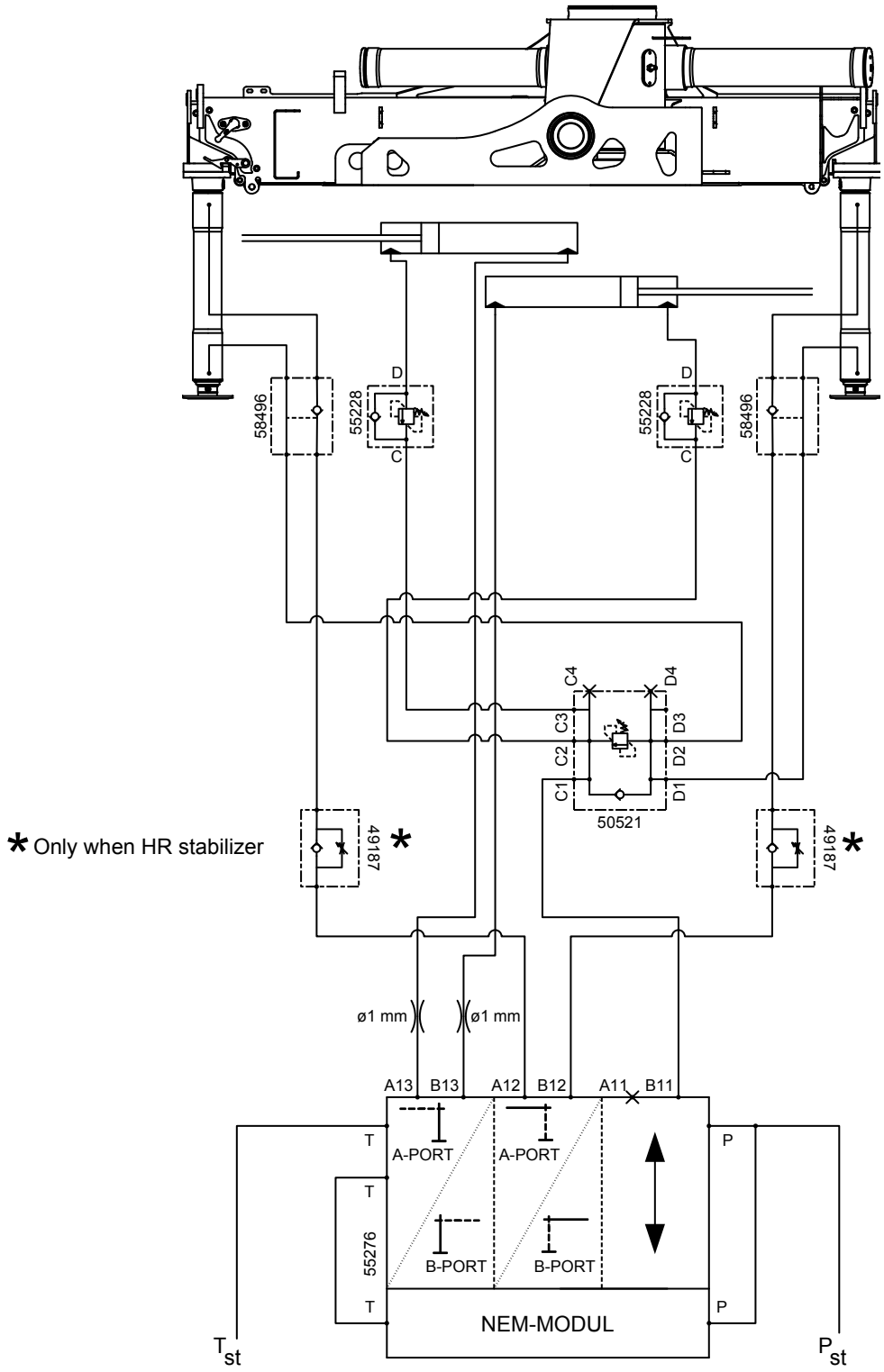
Hydraulic Diagram - Stabilizer circuit – 2 fcts.



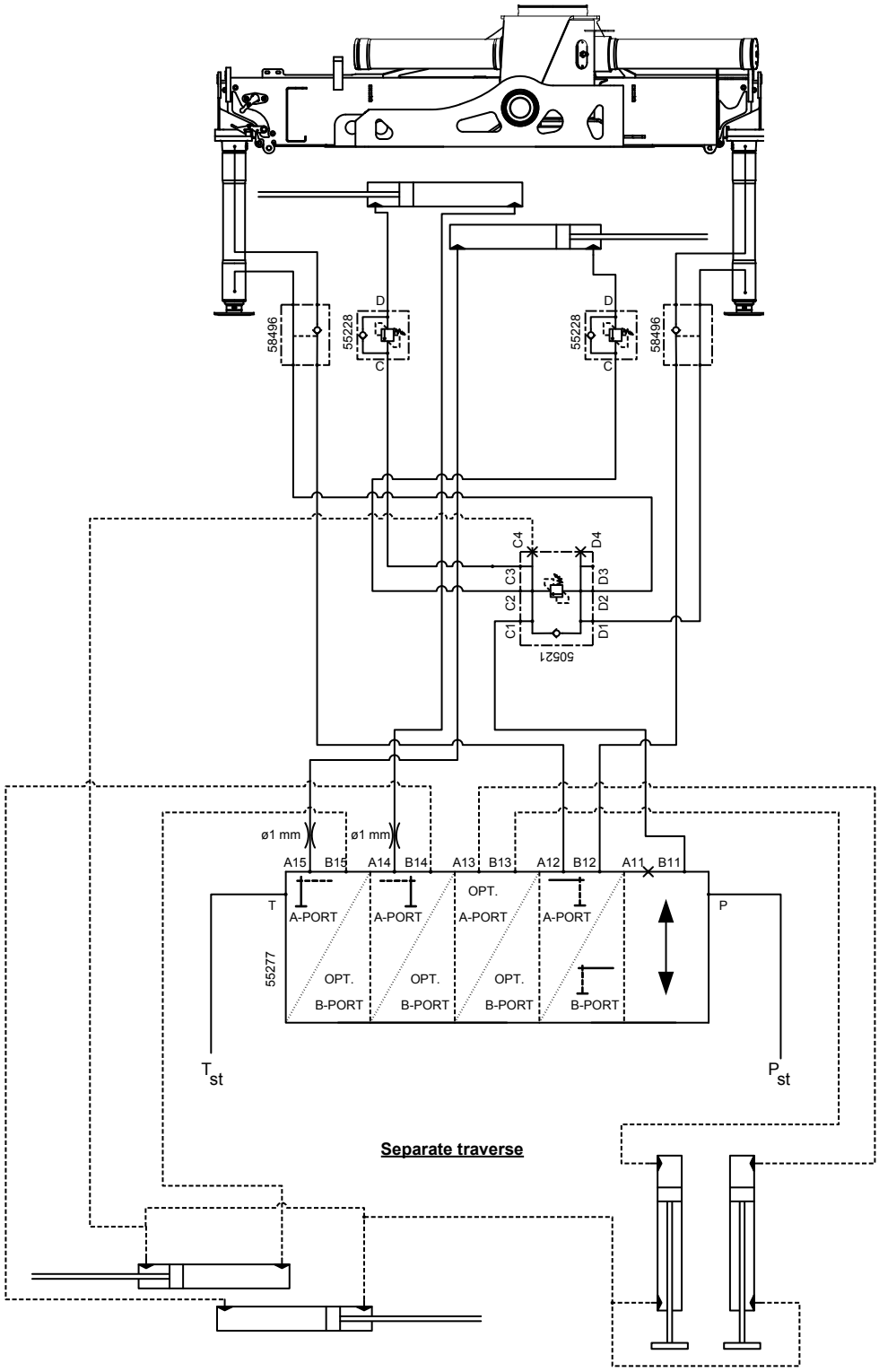
Hydraulic Diagram - Stabilizer circuit – 4 fcts.



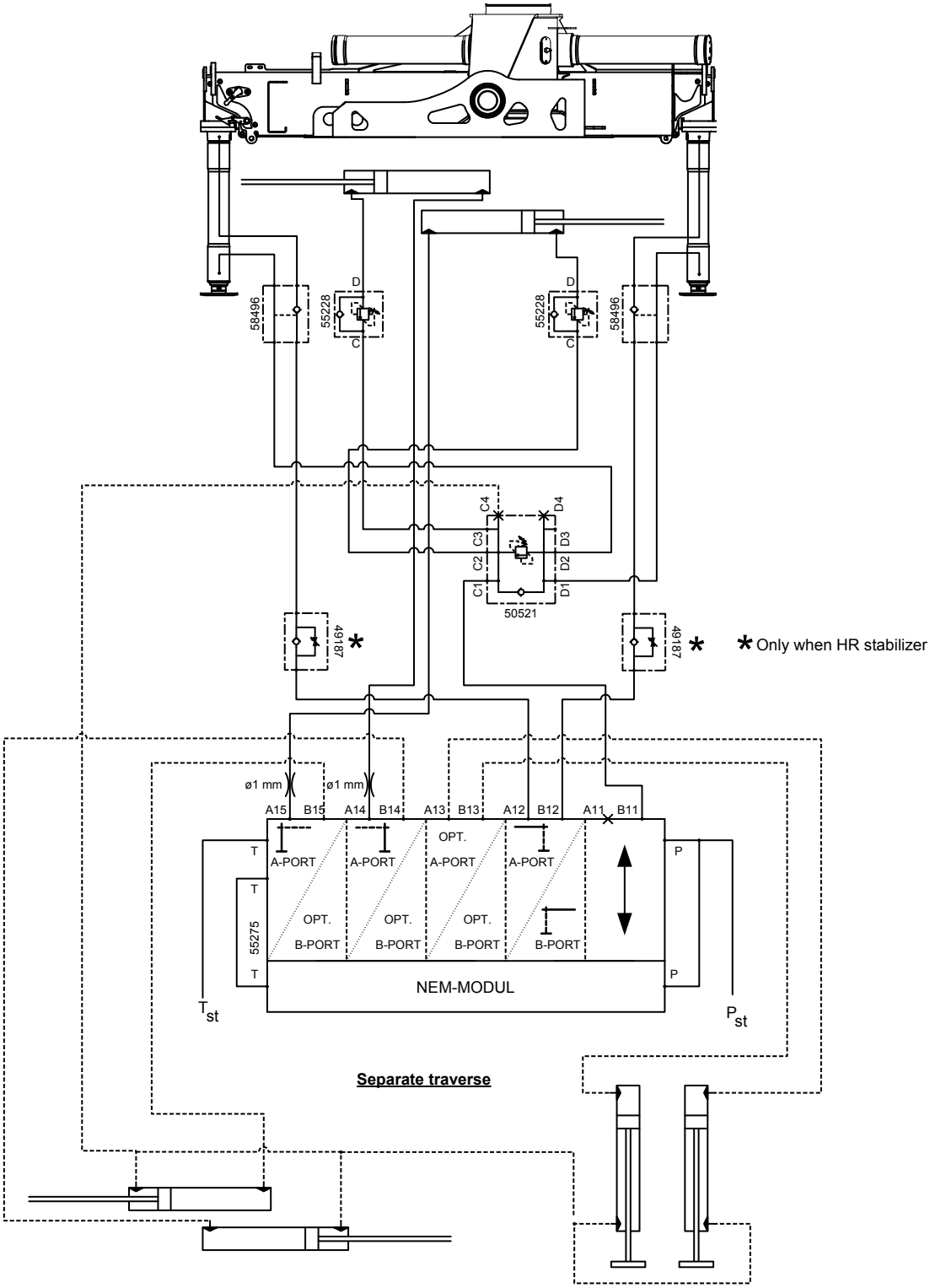
Hydraulic Diagram - Stabilizer circuit – 4 fcts. RC



Hydraulic Diagram - Stabilizer circuit – 4 fcts. + 4 available fcts.



Hydraulic Diagram - Stabilizer circuit – 4 fcts. + 4 available fcts. RC



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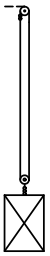
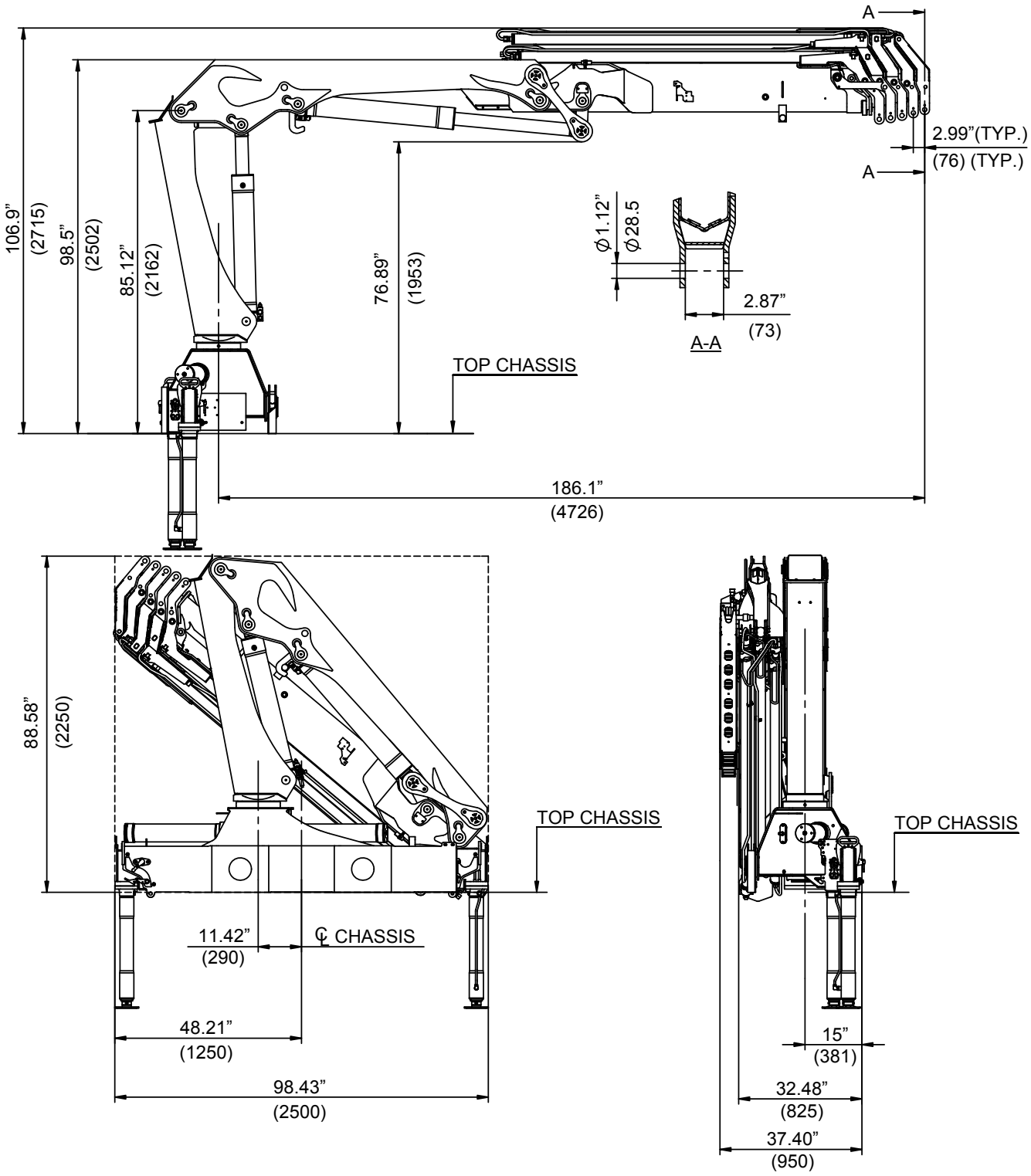
14/98SL - 14/98DL Dimension Drawings

Section - 7

Lifting capacity with winch

Hydraulic hoist type	MAXW	MAXWD
Dinamic P9E	1500 kg 3305 lb	3000 kg 6610 lb
Dinamic P15E	2500 kg 5510 lb	5000 kg 11020 lb
Dinamic S 25 Brevini 2500	3200 kg 7050 lb	6400 kg 14100 lb
		

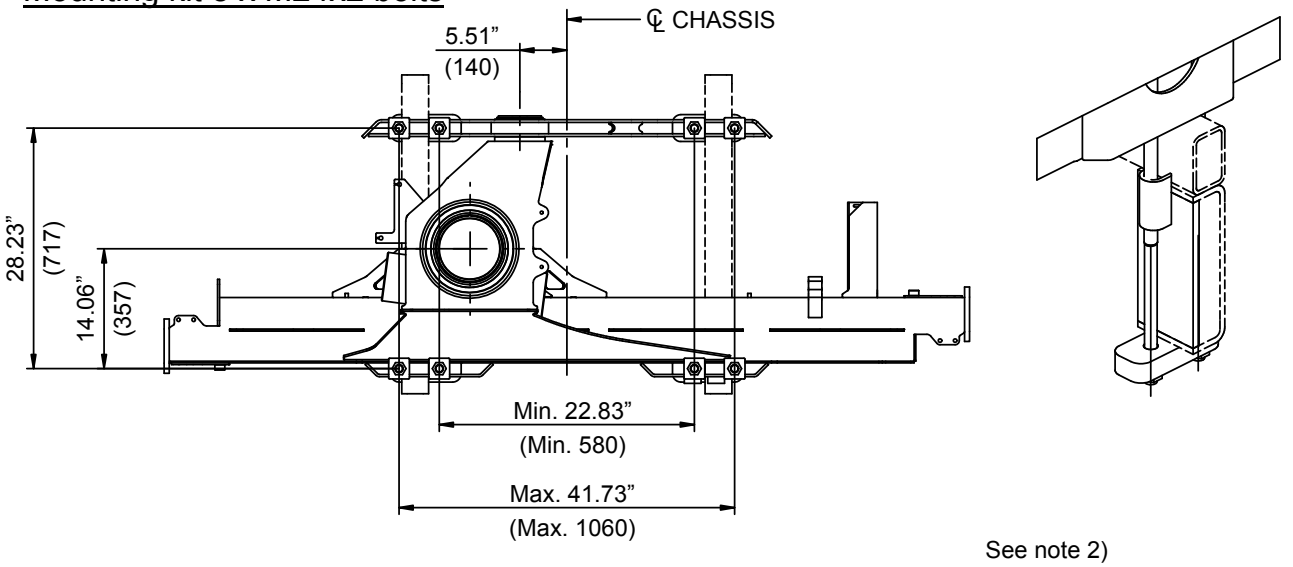
Dimension sketch



Double link crane shown. Single link dimensions are the same.
Dimensions shown in ft-in (mm).

Dimension sketch for truck-mounted loader

Mounting kit 8 x M24x2 bolts



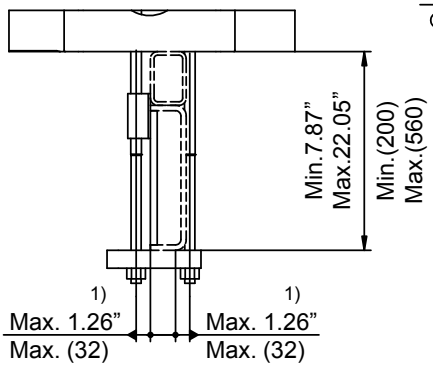
Notes:

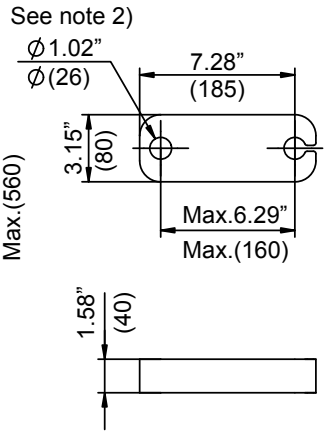
1) Values dictated by strength considerations.

2) Drill hole when assembling

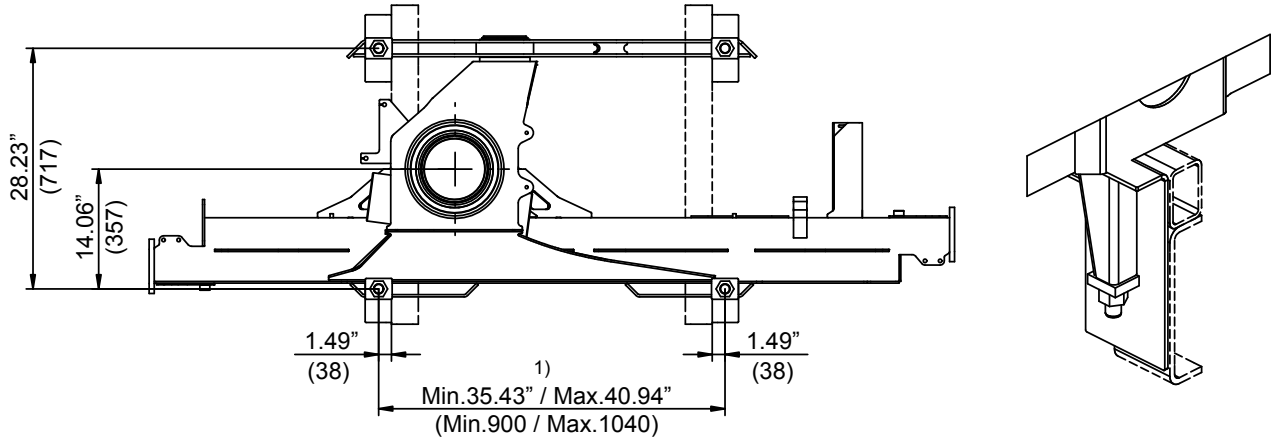
3) As regards installation - please see HMF Installation Manual

4) Mounting kits or spare parts - please see the Spare Parts Catalogue of the individual loader

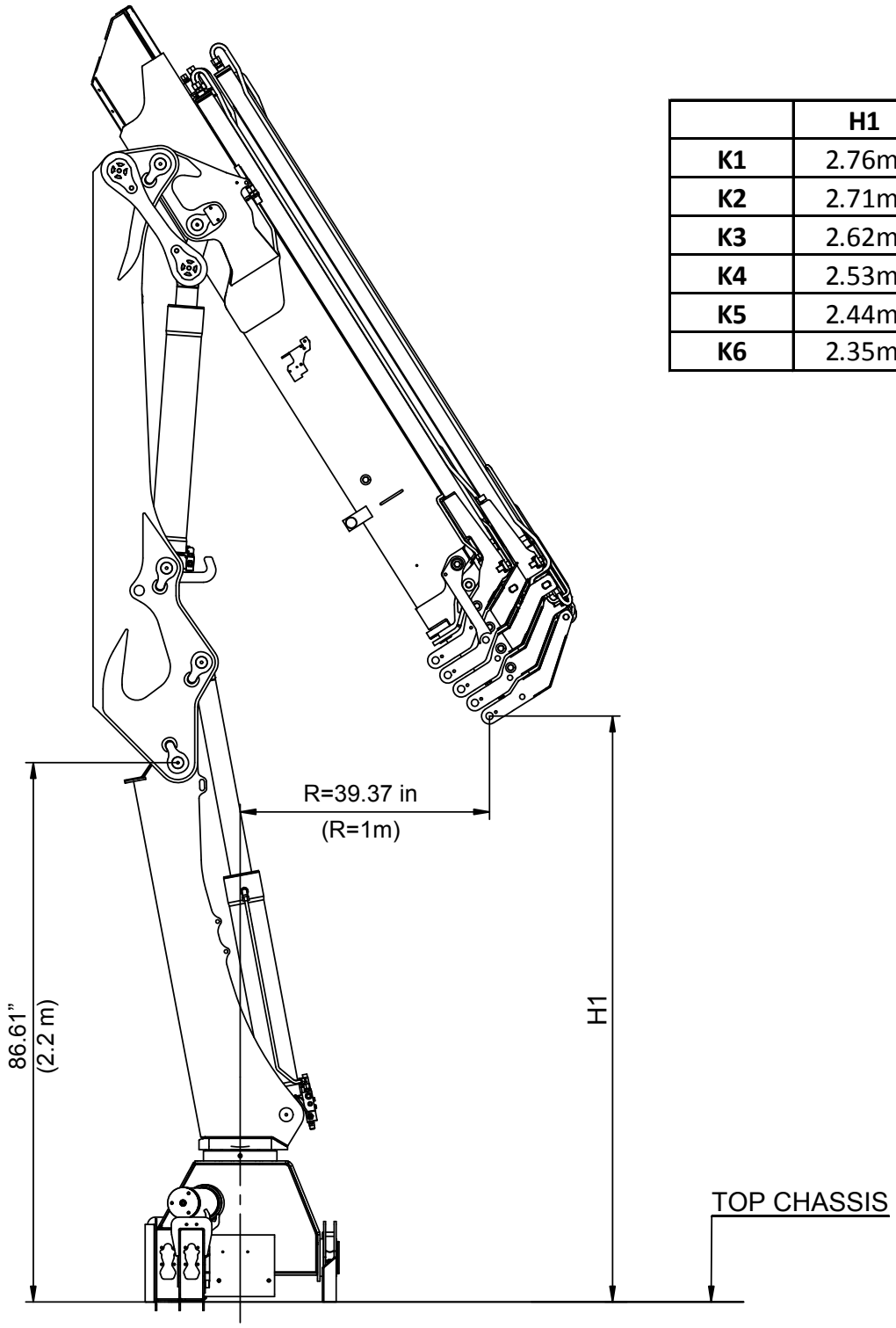




Mounting kit 4 x M30x2 bolts

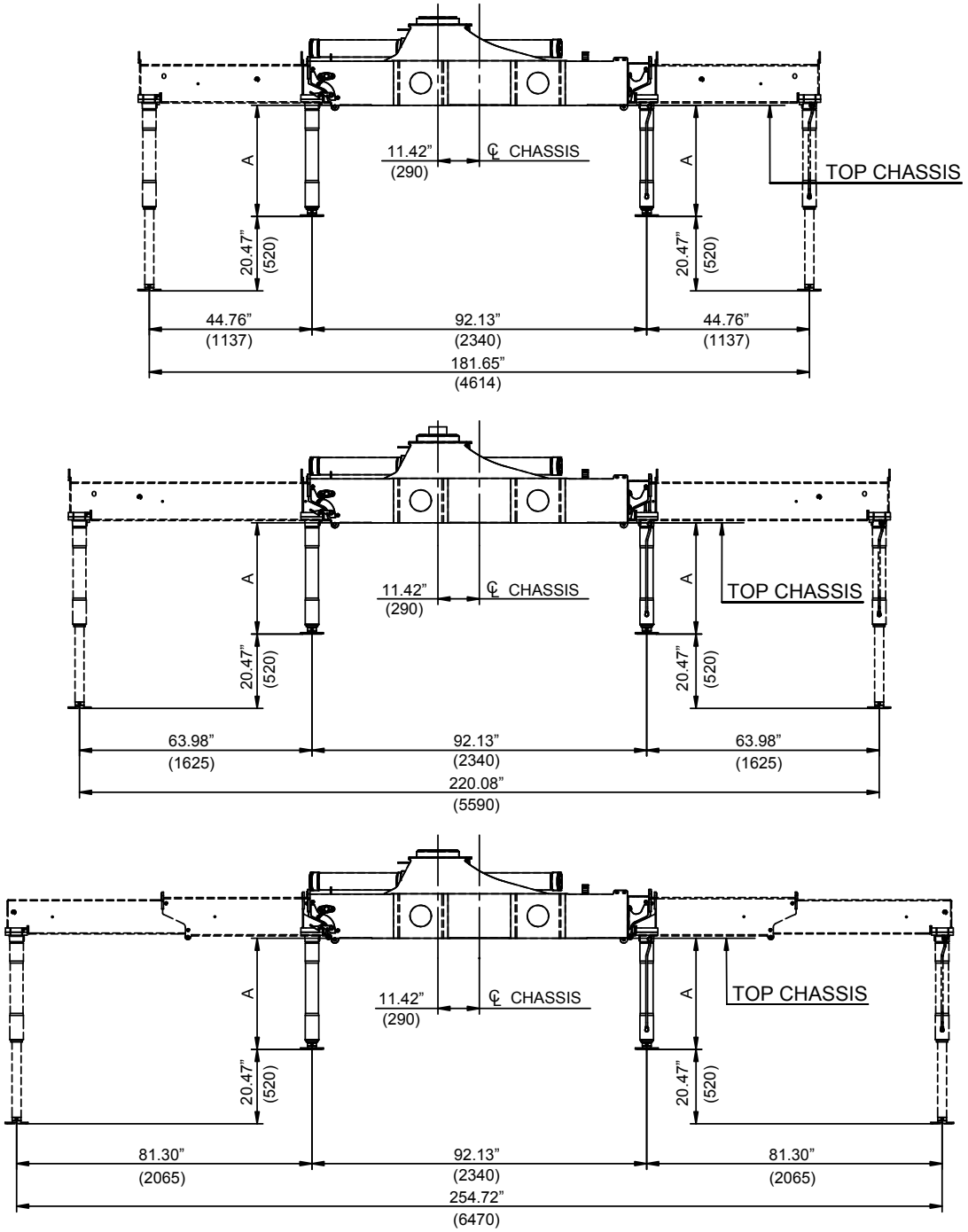


Lifting height at column



	H1	H1
K1	2.76m	115.75"
K2	2.71m	111.81"
K3	2.62m	107.87"
K4	2.53m	103.94"
K5	2.44m	100"
K6	2.35m	92.52"

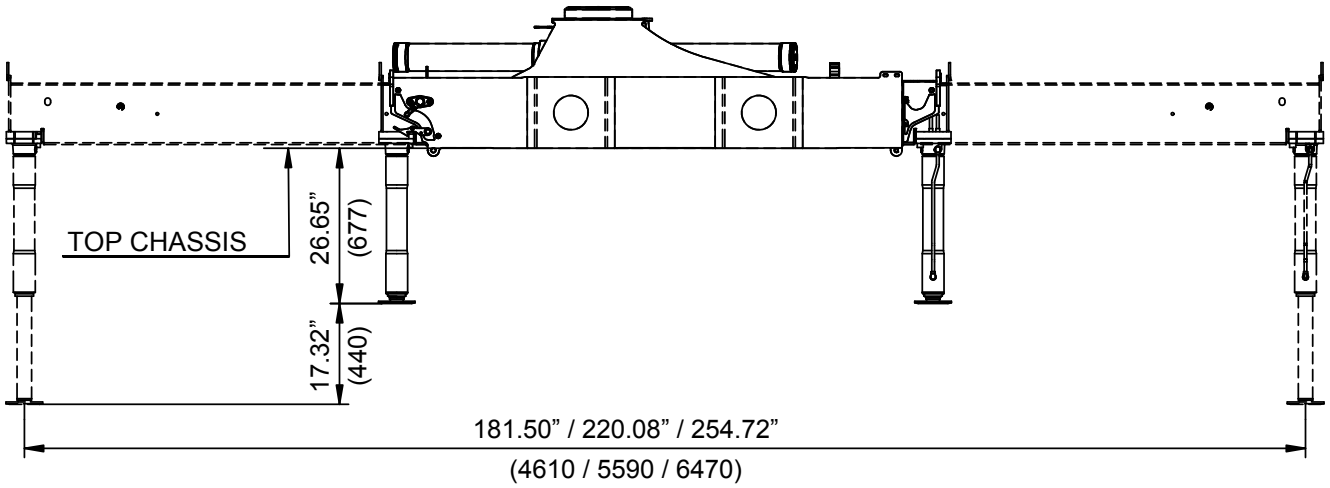
Dimensions, Fixed Stabilizer Legs

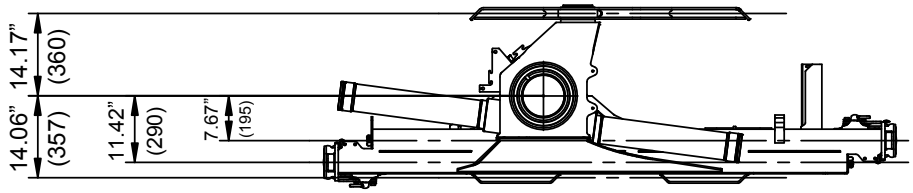


A	777	877	977
A	30.59"	34.53"	38.46"

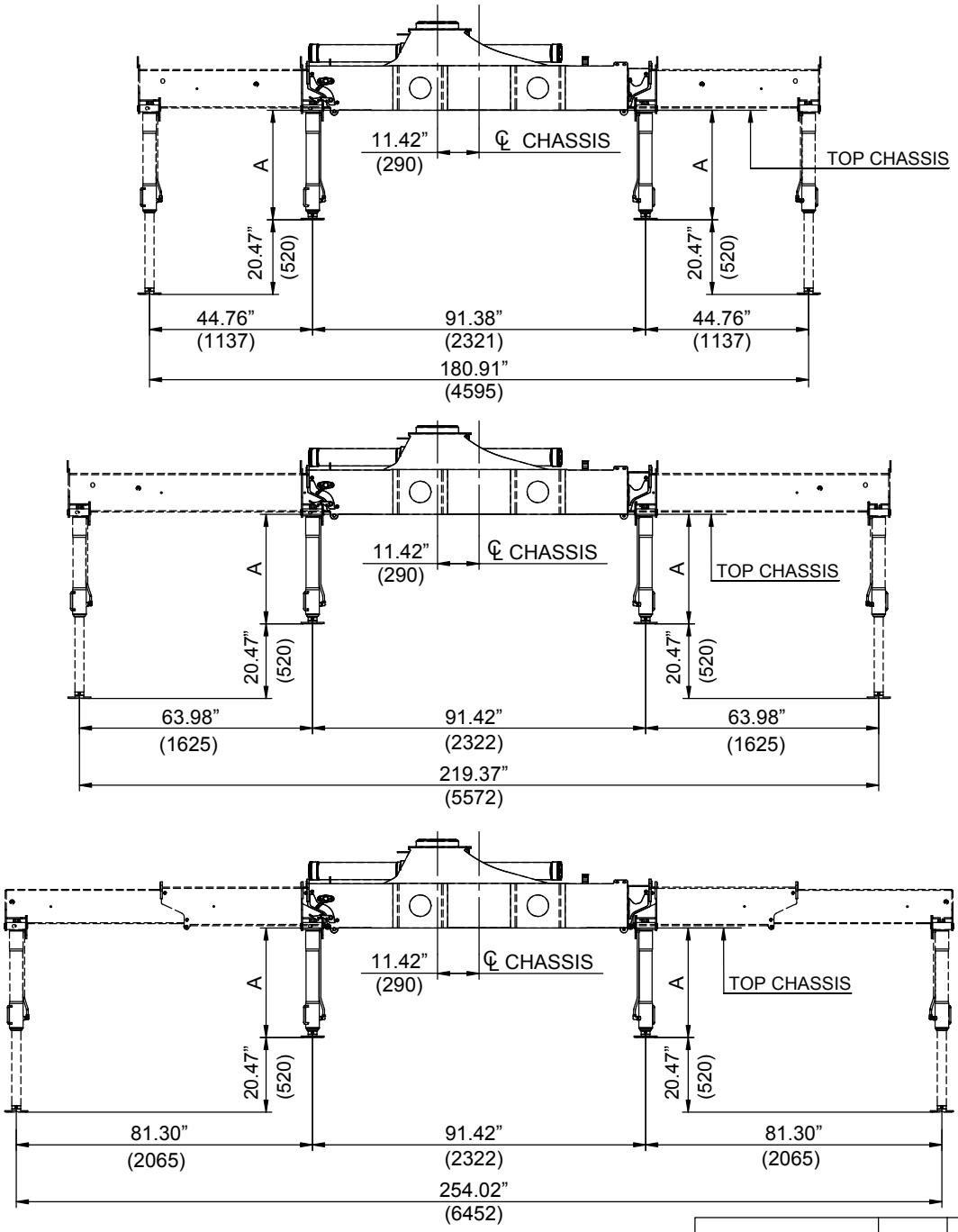
Dimension Sketch, Fixed Stabilizer Legs

Stabilizer cylinder, C80-440





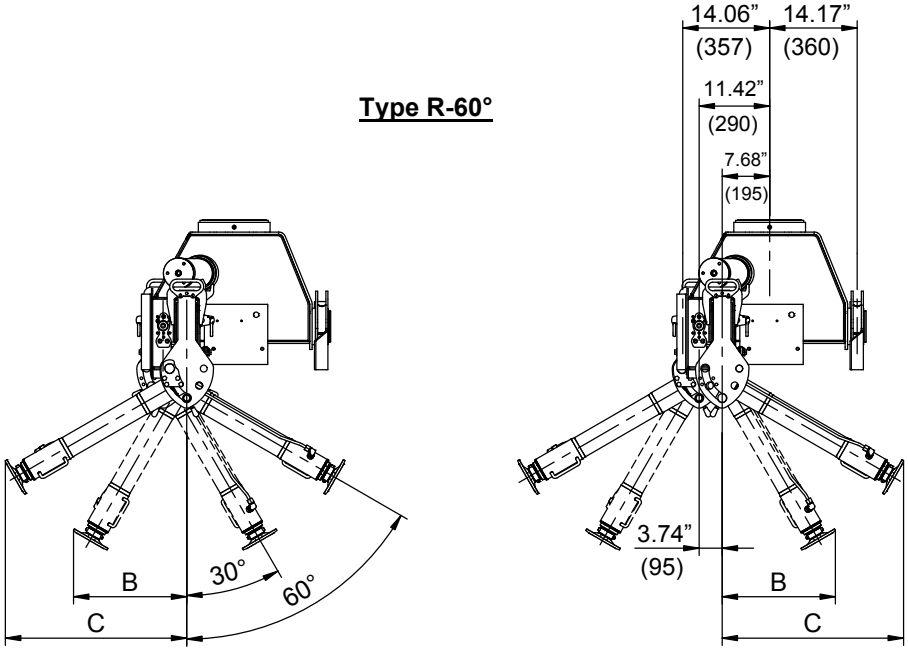
Dimension sketch, swing-up stabilizer legs 20°- 60° (Manual)

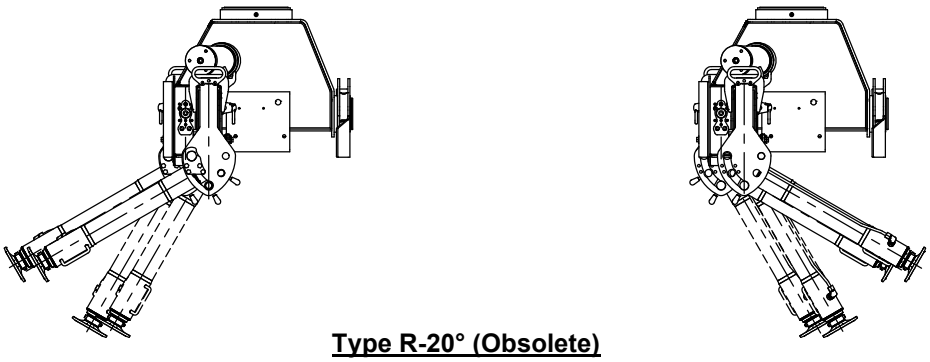


A Type R-60°	30.35"	34.29"	38.23"
A Type R-20° (Obsolete)	31.22"	33.98"	37.91"
A Type R-60°	771mm	871mm	971mm
A Type R-20° (Obsolete)	763mm	863mm	963mm

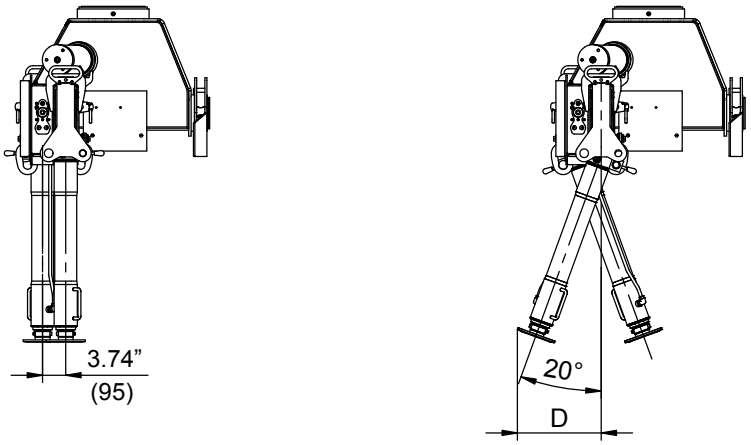
Dimension sketch, swing-up stabilizer legs 20°- 60° (Manual)

Type R-60°



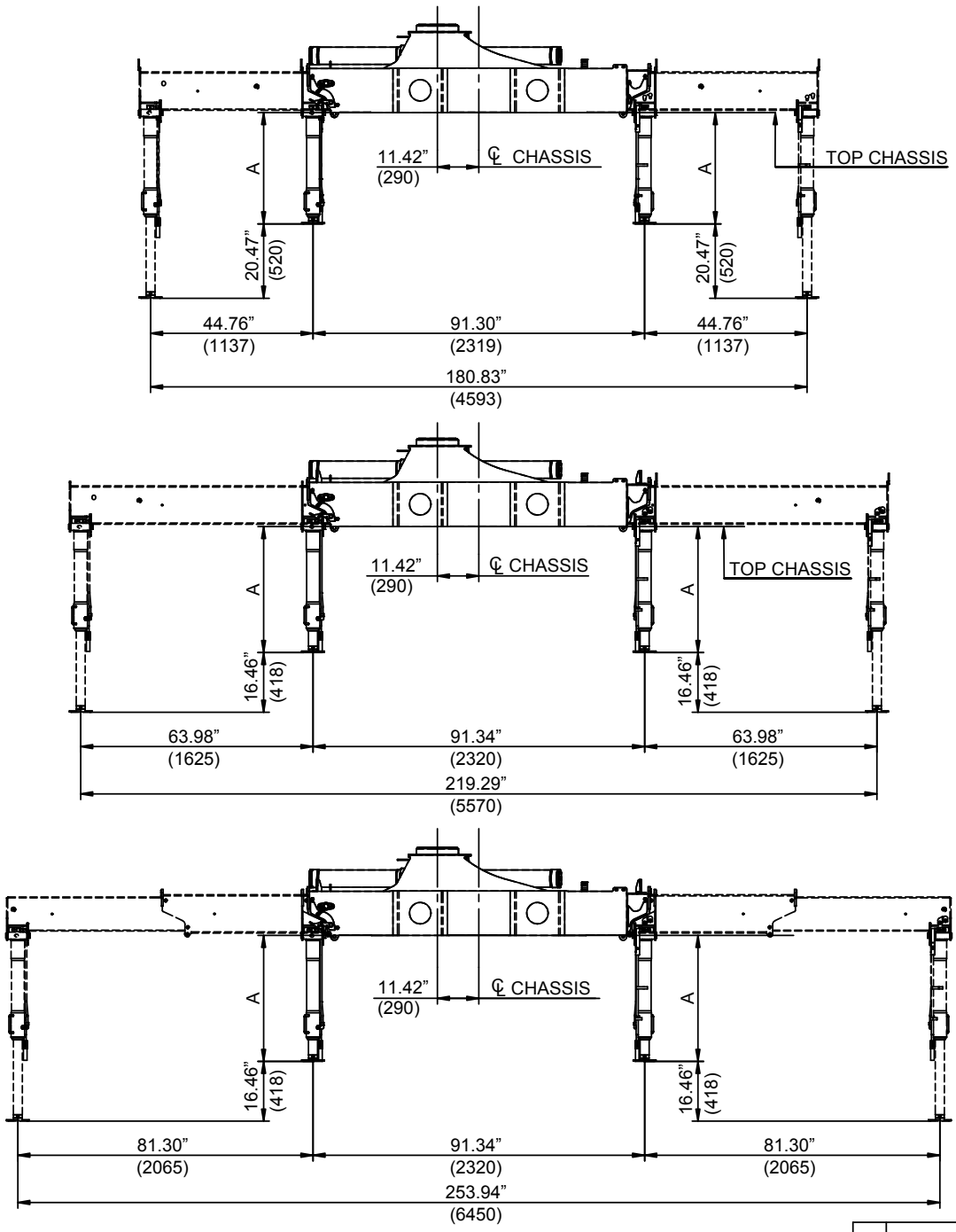


Type R-20° (Obsolete)



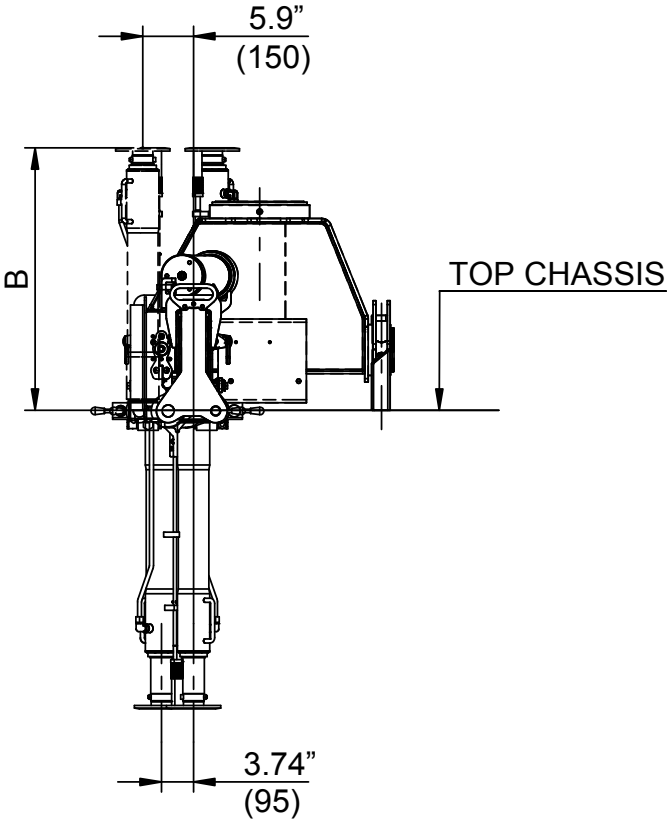
B	465mm	515mm	565mm
C	744mm	831mm	918mm
D	344mm	378mm	412mm
B	18.31”	20.28”	22.24”
C	29.29”	32.72”	36.14”
D	13.54”	14.88”	16.22”

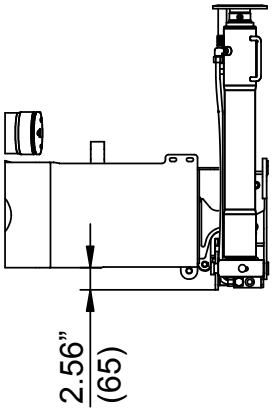
Dimension sketch, swing-up stabilizer legs 180° (manual + hydraulic)

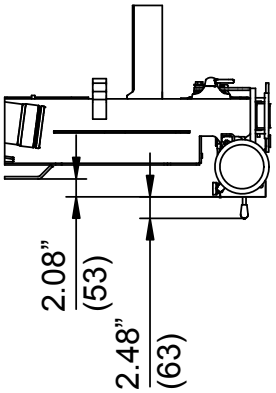


A	881mm	981mm	1081mm
A	34.69"	38.62"	42.56"

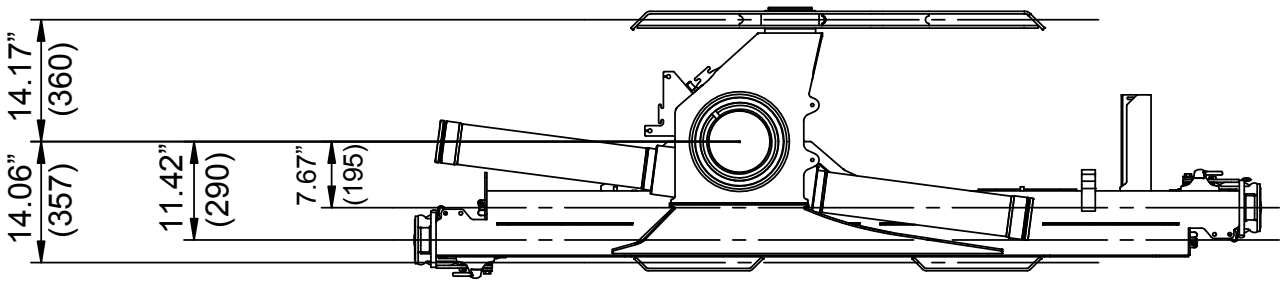
Dimension sketch, swing-up stabilizer legs 180° (manual + hydraulic)



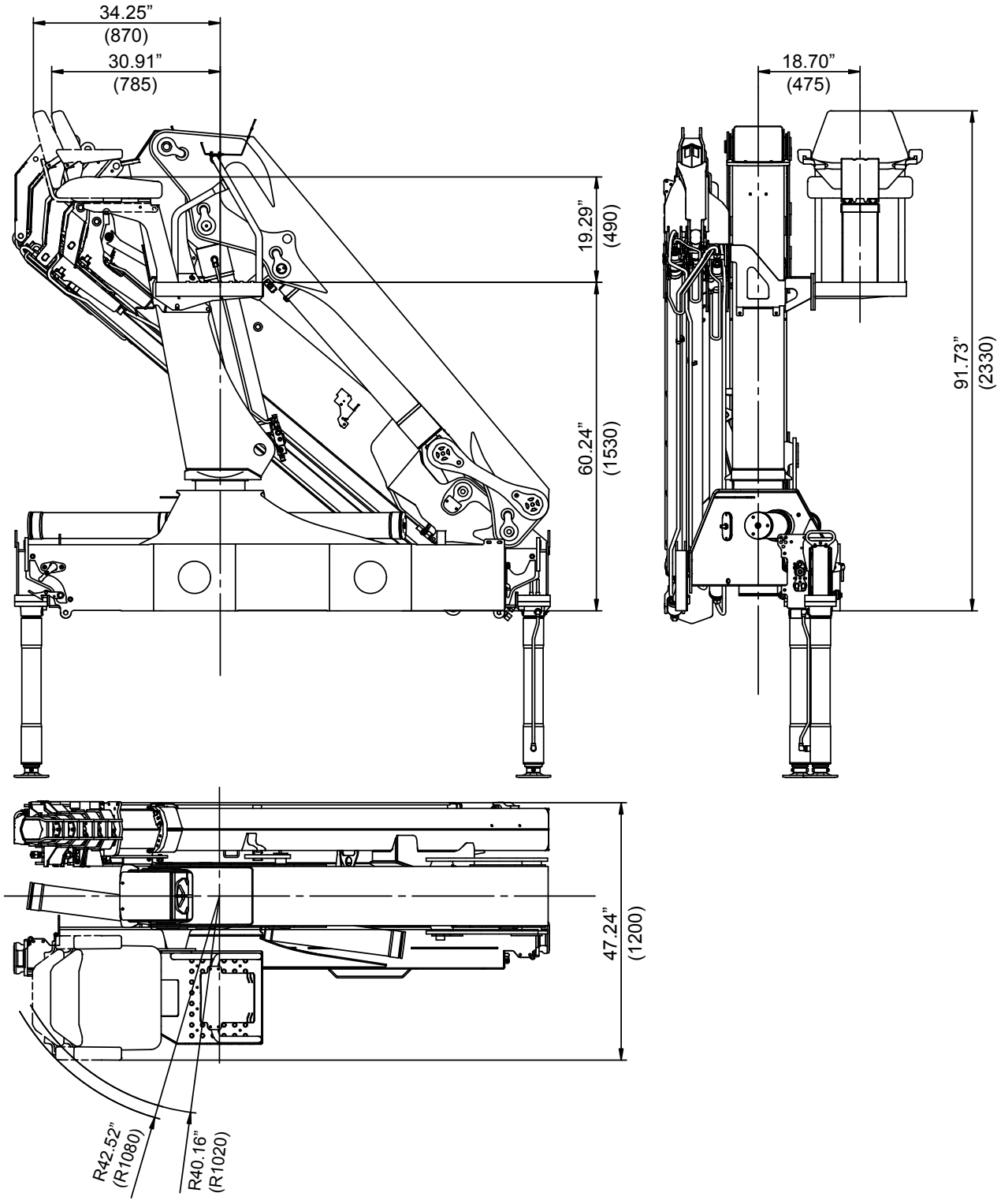




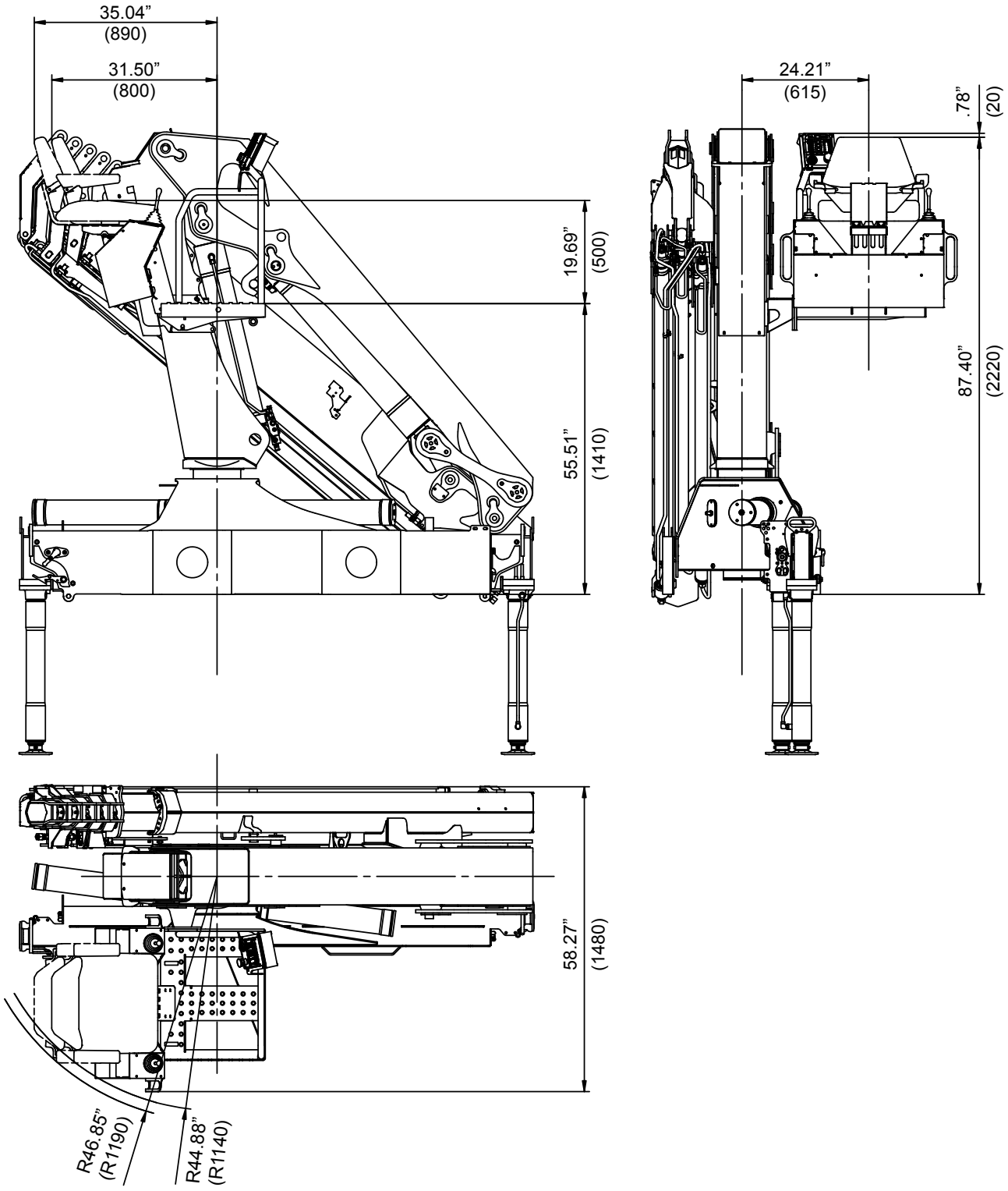
B	775mm	875mm	975mm
B	30.51”	34.45”	38.39”



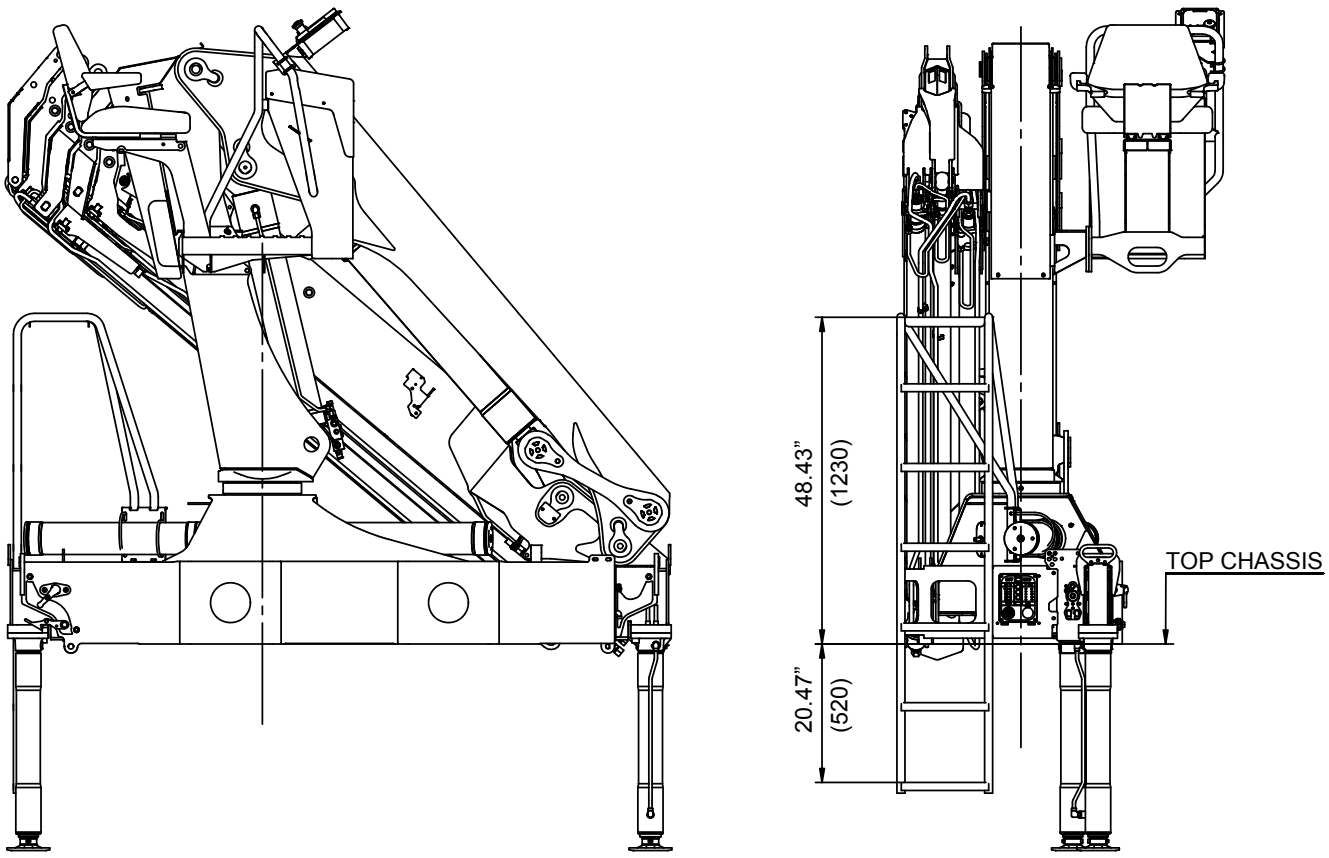
Dimension sketch, TS - Top seat (RC)



Dimension sketch, TS - Top seat (Danfoss X)



Dimension sketch, ladder for TS



Notes:

1) Ladder cannot be used for TS RC

2) There is no access to the top seat when the loader is in stowing position

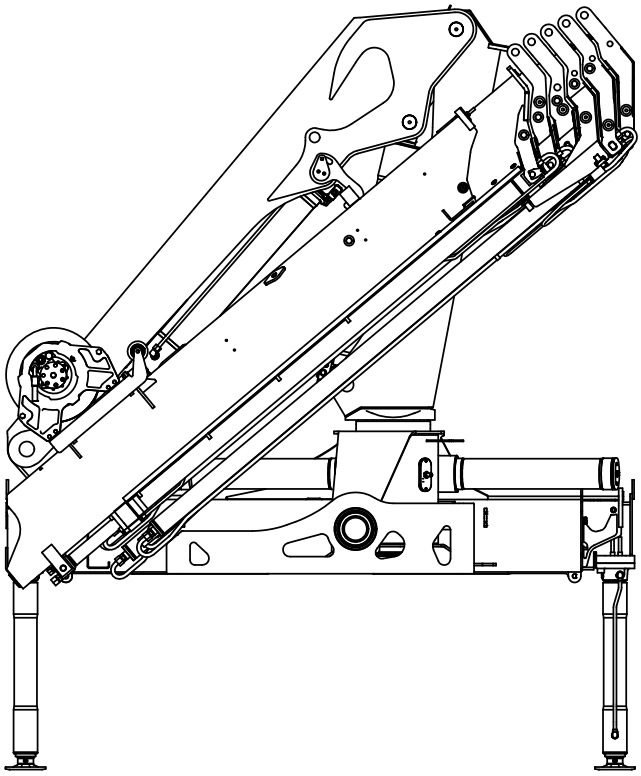
Technical data, winch

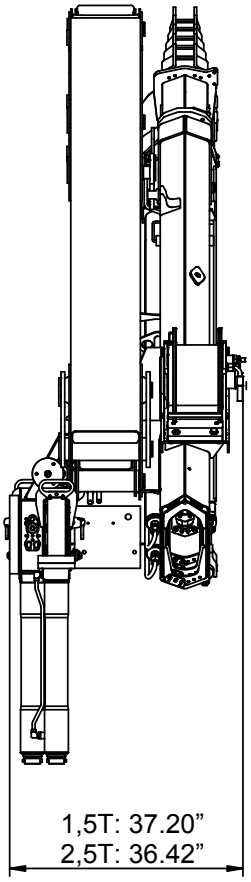
Performance (at 150 bar) 2176 psi:	1.5T winch	1.5T winch	2.5T winch	2.5T winch
Max. wire pull – 1st layer	1500 kg	3307 lb	2500 kg	5512 lb
Max. wire pull – 2nd layer	1370 kg	3020 lb	2300 kg	5071 lb
Max. wire pull – 3rd layer	1260 kg	2778 lb	2100 kg	4630 lb
Max. wire pull – 4th layer	1170 kg	2579 lb	1950 kg	4299 lb

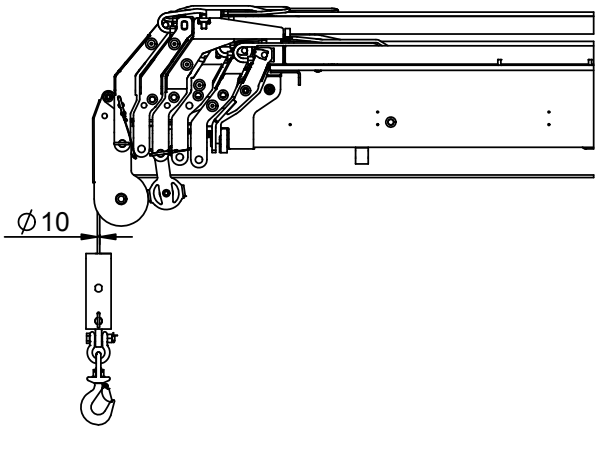
Wire speed (at 40 l/min.) 10.57 gpm:	1.5T winch	1.5T winch	2.5T winch	2.5T winch
Max. wire speed – 1st layer	22 m/min	72'2"/min	24 m/min	78'9"/min
Max. wire speed – 2nd layer	24 m/min	78'9"/min	26 m/min	85'4"/min
Max. wire speed – 3rd layer	26 m/min	85'4"/min	28 m/min	91'/min
Max. wire speed – 4th layer	28 m/min	91'10"/min	30 m/min	98'5"/min

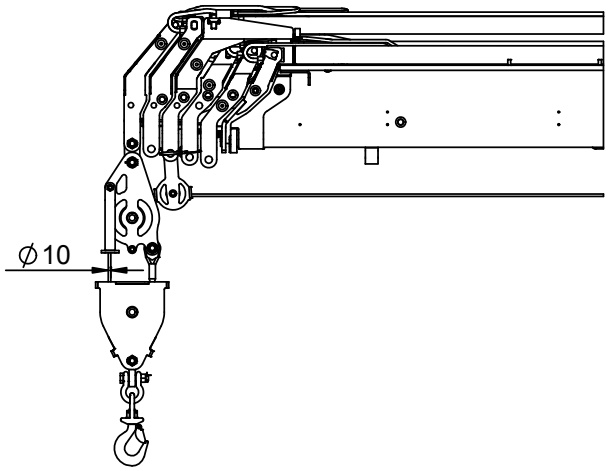
Weights:	1.5T winch	1.5T winch	2.5T winch	2.5T winch
Tare weight, winch (CE)	65 kg	143 lb	90 kg	198 lb
Fixed parts (valve section, brackets, hoses etc)	50 kg	110 lb	50 kg	110 lb
Wire Ø10 x 50 m	30 kg	66 lb	30 kg	66 lb
Spare parts, single snatch block	30 kg	66 lb	30 kg	66 lb
Spare parts, double snatch block	40 kg	88 lb	40 kg	88 lb

Dimension sketch, winch

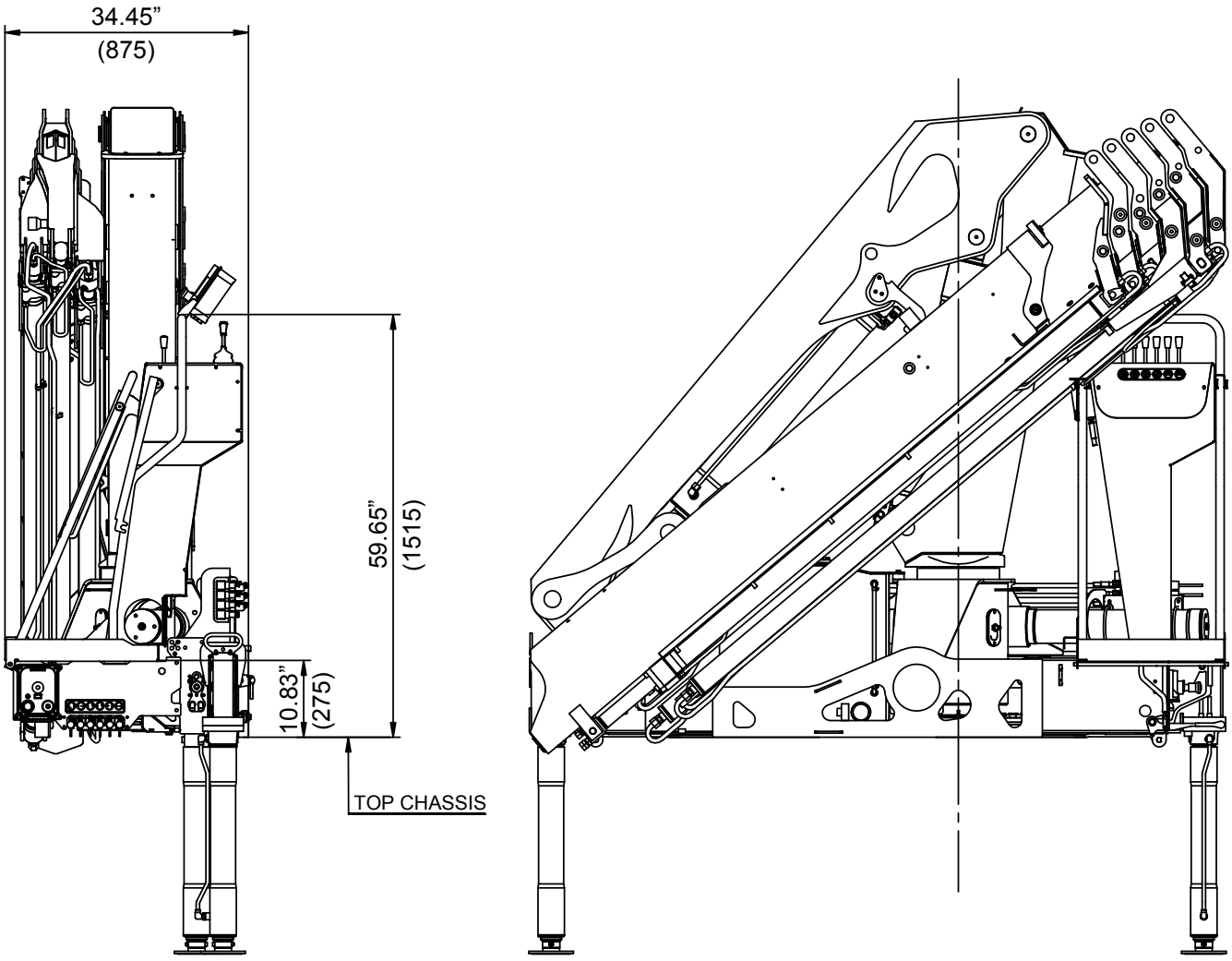




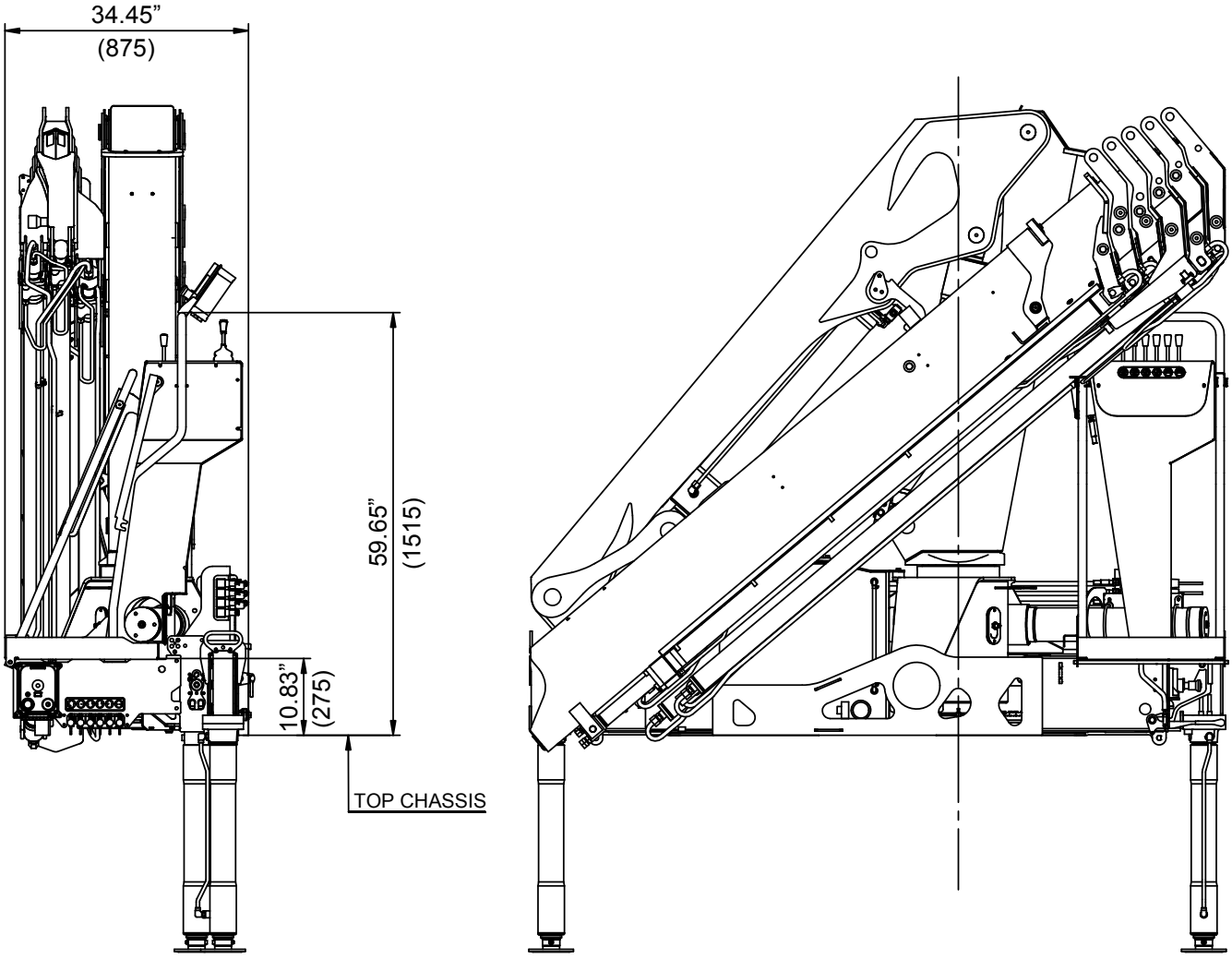




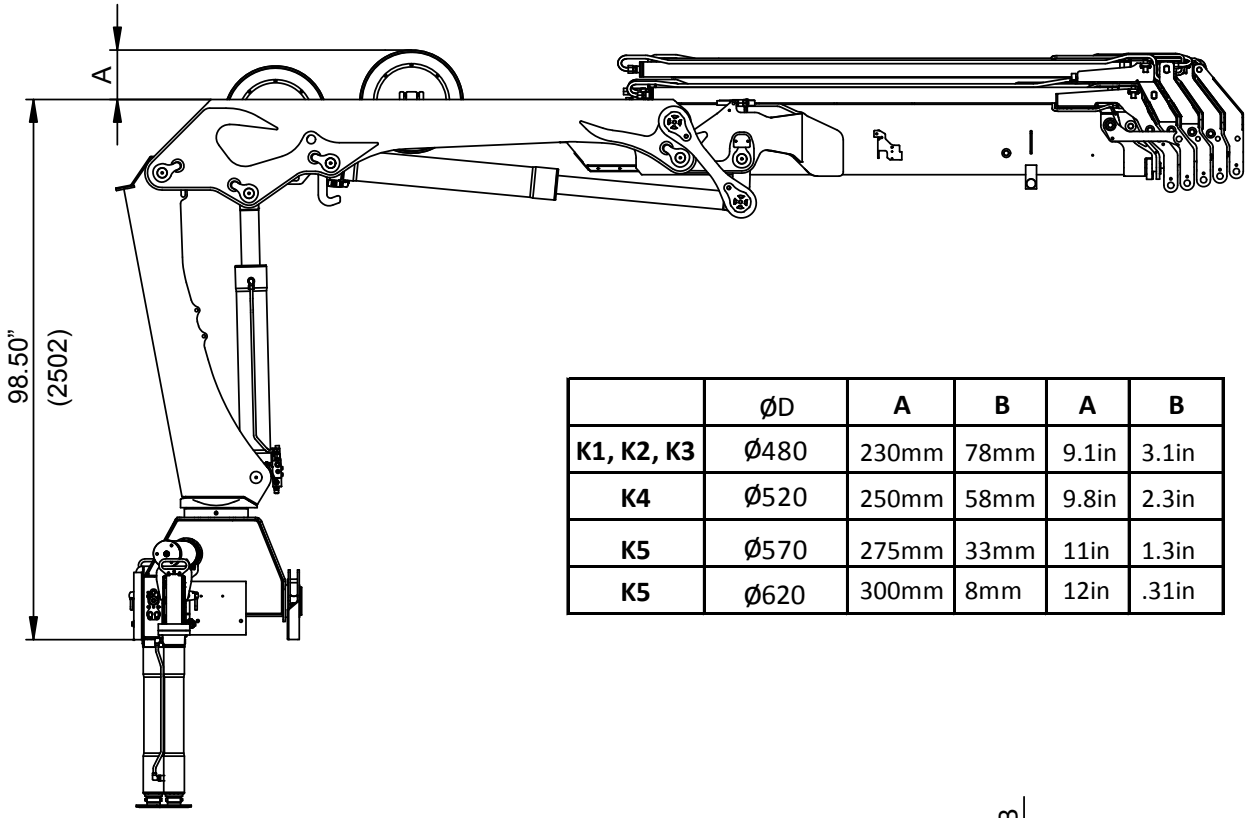
Dimension sketch, stand-up platform (std.)



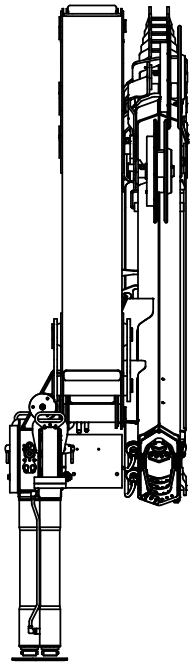
Dimension sketch, stand-up platform (valve control)

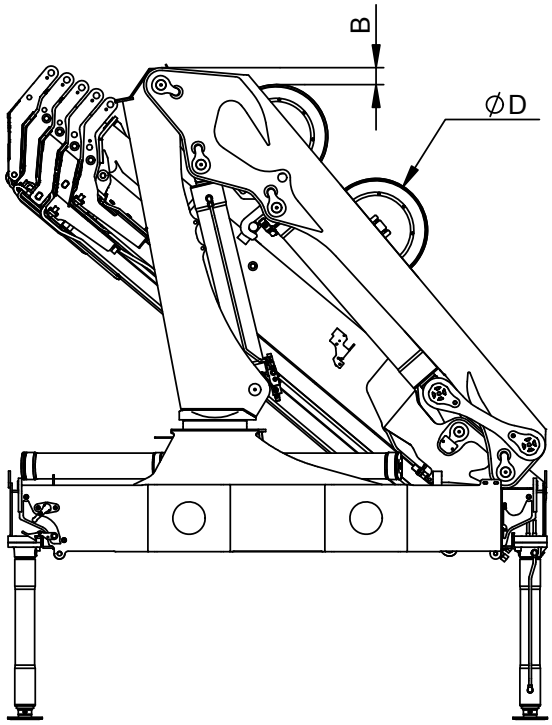


Dimension sketch, internal hose routing

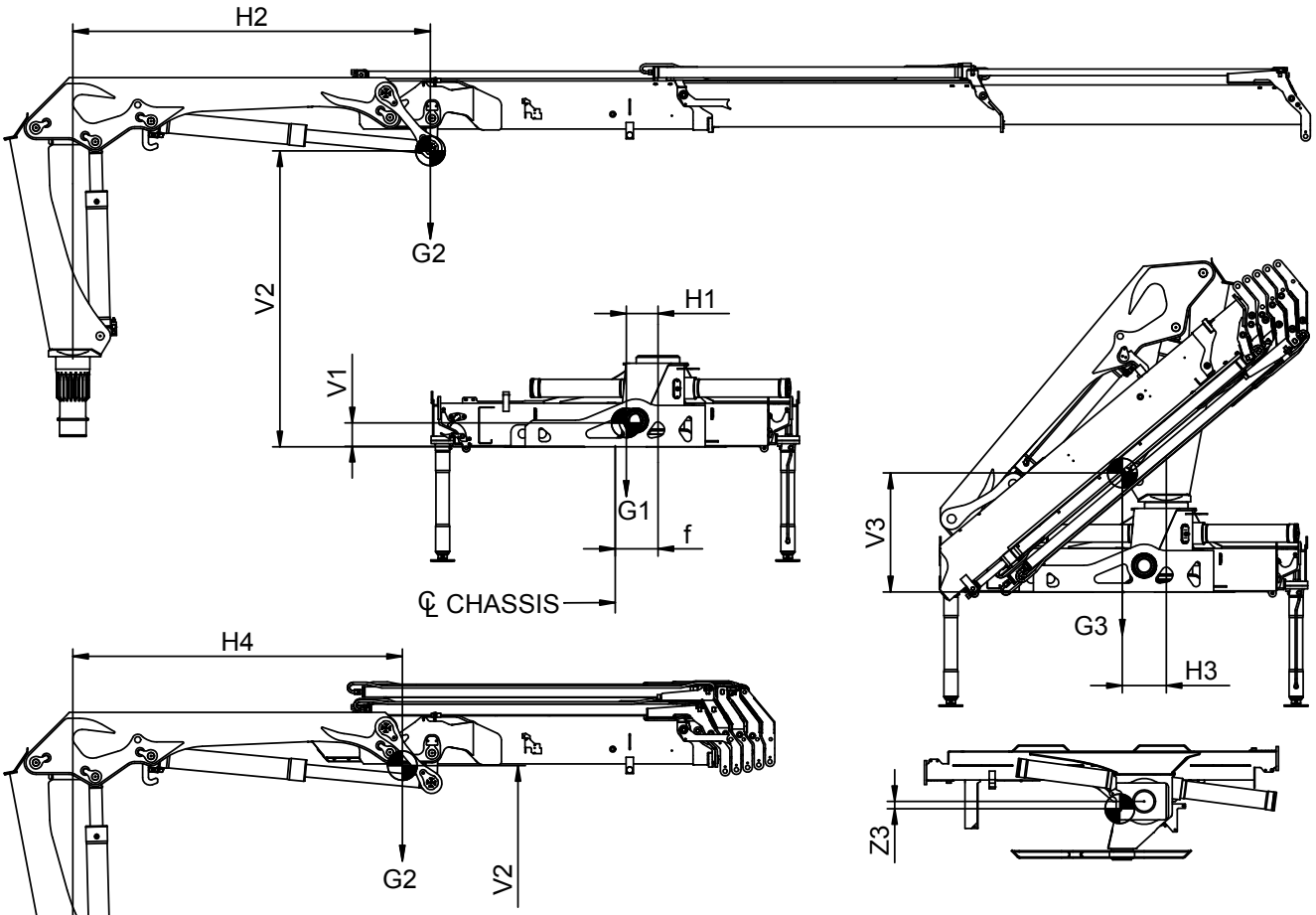


	ØD	A	B	A	B
K1, K2, K3	Ø480	230mm	78mm	9.1in	3.1in
K4	Ø520	250mm	58mm	9.8in	2.3in
K5	Ø570	275mm	33mm	11in	1.3in
K5	Ø620	300mm	8mm	12in	.31in





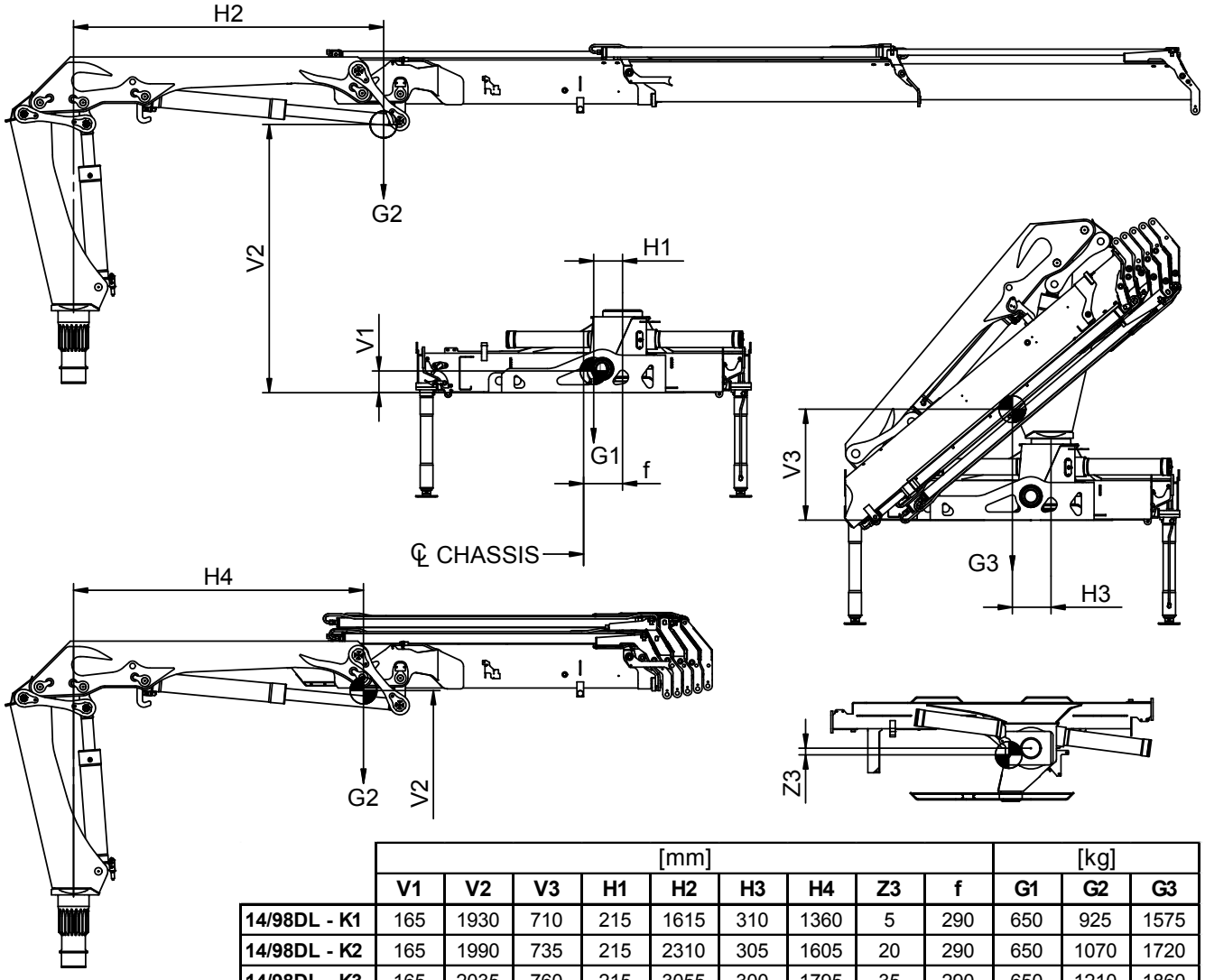
14/98SL - Centers of gravity



	[mm]									[kg]		
	V1	**V2**	**V3**	**H1**	**H2**	**H3**	**H4**	**Z3**	**f**	**G1**	**G2**	**G3**
14/98SL - K1	165	1935	700	215	1705	340	1440	5	290	650	885	1535
14/98SL - K2	165	1995	730	215	2415	335	1680	30	290	650	1030	1680
14/98SL - K3	165	2045	755	215	3175	325	1870	50	290	650	1170	1820
14/98SL - K4	165	2075	785	215	3970	305	2015	65	290	650	1300	1950
14/98SL - K5	165	2100	805	215	4730	290	2130	80	290	650	1410	2060
14/98SL - K6	165	2120	820	215	5375	280	2215	90	290	650	1515	2165

	[in]									[lbs]		
	V1	**V2**	**V3**	**H1**	**H2**	**H3**	**H4**	**Z3**	**f**	**G1**	**G2**	**G3**
14/98SL - K1	6.50	76.18	27.56	8.46	67.13	13.39	56.69	0.20	11.42	1433	1951	3384
14/98SL - K2	6.50	78.54	28.74	8.46	95.08	13.19	66.14	1.18	11.42	1433	2271	3704
14/98SL - K3	6.50	80.51	29.72	8.46	125.00	12.80	73.62	1.97	11.42	1433	2579	4012
14/98SL - K4	6.50	81.69	30.91	8.46	156.30	12.01	79.33	2.56	11.42	1433	2866	4299
14/98SL - K5	6.50	82.68	31.69	8.46	186.22	11.42	83.86	3.15	11.42	1433	3109	2542
14/98SL - K6	6.50	83.46	32.28	8.46	211.61	11.02	87.20	3.54	11.42	1433	3340	4773

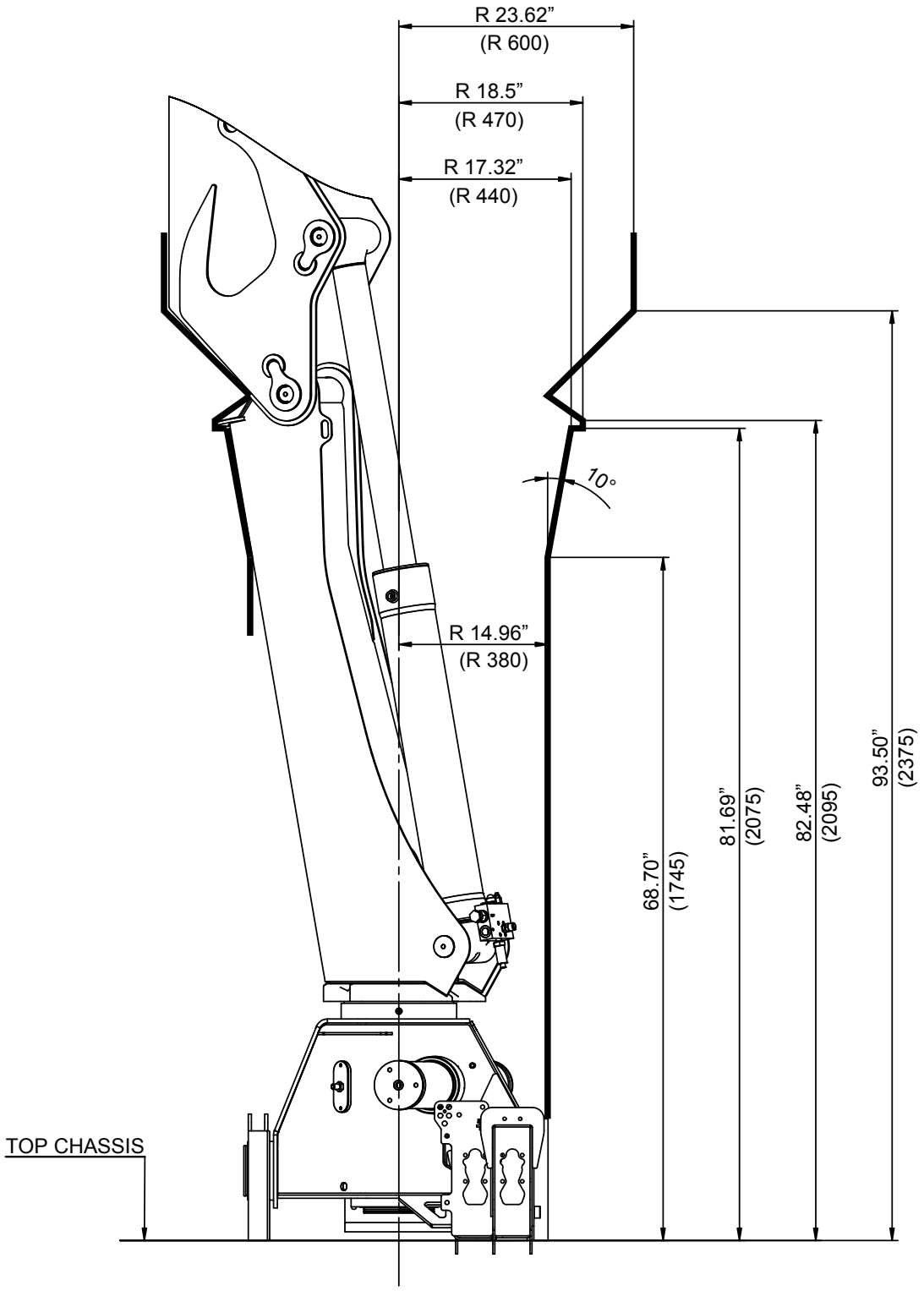
14/98DL - Centers of gravity



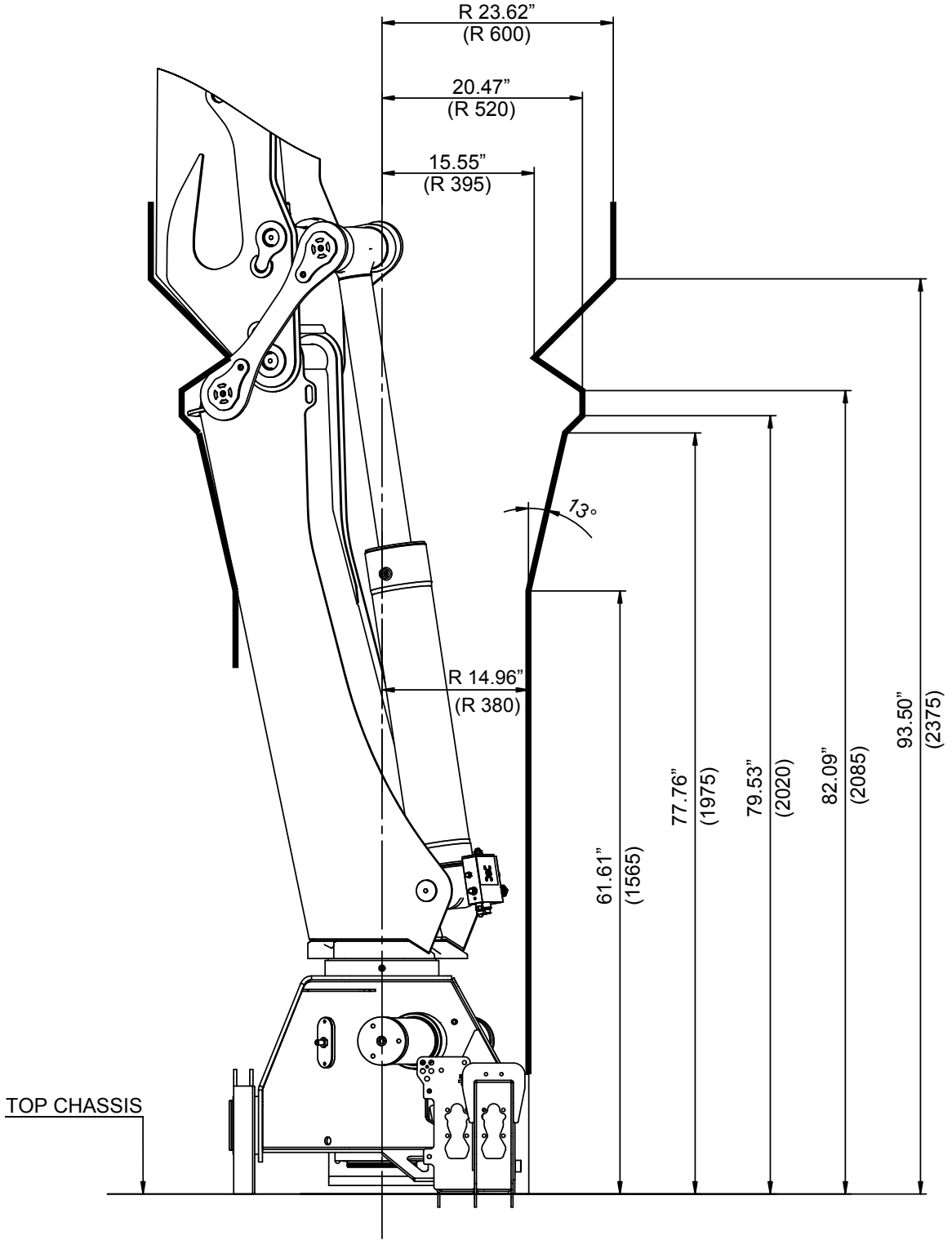
	[mm]									[kg]		
	V1	**V2**	**V3**	**H1**	**H2**	**H3**	**H4**	**Z3**	**f**	**G1**	**G2**	**G3**
14/98DL - K1	165	1930	710	215	1615	310	1360	5	290	650	925	1575
14/98DL - K2	165	1990	735	215	2310	305	1605	20	290	650	1070	1720
14/98DL - K3	165	2035	760	215	3055	300	1795	35	290	650	1210	1860
14/98DL - K4	165	2070	785	215	3840	285	1945	50	290	650	1340	1990
14/98DL - K5	165	2095	805	215	4590	270	2060	70	290	650	1450	2100
14/98DL - K6	165	2115	820	215	5230	260	2150	75	290	650	1555	2205

	[in]									[lbs]		
	V1	**V2**	**V3**	**H1**	**H2**	**H3**	**H4**	**Z3**	**f**	**G1**	**G2**	**G3**
14/98DL - K1	6.50	75.98	27.95	8.46	63.58	12.20	53.54	0.20	11.42	1433	2039	3472
14/98DL - K2	6.50	78.35	28.94	8.46	90.94	12.01	63.19	0.79	11.42	1433	2359	3792
14/98DL - K3	6.50	80.12	29.92	8.46	120.28	11.81	70.67	1.38	11.42	1433	2668	4101
14/98DL - K4	6.50	81.50	30.91	8.46	151.18	11.22	76.57	1.97	11.42	1433	2954	4387
14/98DL - K5	6.50	82.48	31.69	8.46	180.71	10.63	81.10	2.76	11.42	1433	3197	4630
14/98DL - K6	6.50	83.27	32.28	8.46	205.91	10.24	84.65	2.95	11.42	1433	3428	4861

14/98SL Swing Clearance



14/98DL Swing Clearance



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