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Manual # 99905403

10/72 Technical Specifications

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10/72SL Technical Specifications

Section - 1

10/72SL Specifications

Performance	Unit	K1	K2	K3	K4	K5
Loading group (EN12999)		HC1 / HD5	HC1 / HD5	HC1 / HD5	HC1 / HD5	HC1 / HD5
Load moment	ft-lb	75936	73766	71596	70150	68704
Hydraulic reach	ft	18'0"	24'7"	31'10"	38'8"	45'11"
Hydraulic telescopic movement	ft	5'5"	11'10"	18'8"	25'5"	32'2"
Lifting capacity, hydraulic	lb-ft	6129 - 12'5"	5864 - 12'5"	5578 - 12'8"	5335 - 13'1"	5115 - 13'5"
		4277 - 17'8"	4034 - 18'0"	3792 - 18'4"	3594 - 18'8"	3395 - 18'8"
			2954 - 24'7"	2734 - 24'7"	2535 - 24'11"	2359 - 25'2"
				2138 - 31'5"	1940 - 31'10"	1786 - 32'1"
					1587 - 38'4"	1411 - 38'8"
						1190 - 45'7"
Lifting capacity, manual extensions	lb-ft		2227 - 31'1"	1653 - 38'8"	1257 - 45'7"	970 - 52'10"
Slewing torque, gross	lbft	9662	9662	9662	9662	9662
Slewing angle	°	420	420	420	420	420
Max. heel at max. load moment	°	5	5	5	5	5
Slewing speed	°/s	24	24	24	24	24

Dimensions	Unit	K1	K2	K3	K4	K5
Height above chassis	in	84	84	84	84	84
Width	in	92	92	92	92	92
Length, no extra valves	in	29	29	29	29	29
Length, with extra valves (hose guides)	in	34	34	34	34	34
Length, with extra valves (int. hose routing)	in	29	29	29	29	29
Stabilizer spread, S1 (standard)	ft	11'4"	11'4"	11'4"	11'4"	11'4"
Stabilizer spread, S2	ft	16'10"	16'10"	16'10"	16'10"	16'10"

10/72SL Specifications - Continued

Weights, basic loader	Unit	K1	K2	K3	K4	K5
Standard loader 1), excl. stabilizers	lbs	5249	5858	6391	6854	7266
Stabilizers, S1 fixed	lbs	827	827	827	827	827
Stabilizers, S1 swing-up	lbs	851	851	851	851	851
Stabilizers, S2 fixed	lbs	948	948	948	948	948
Stabilizers, S2 swing-up	lbs	972	972	972	972	972
Mounting kit, 4 bolts	lbs	267	267	267	267	267
Mounting kit, 8 bolts	lbs	291	291	291	291	291
Tank, excl. oil (fitted on loader)	lbs	194	194	194	194	194
Manual extensions	lbs		315	243	194	170
	lbs					
	lbs					
Oil in loader (stowing position)	lbs	97	117	137	157	174

Weights, equipment	Unit	K1	K2	K3	K4	K5
Stand-up controls (HS), std.	lbs					
Top seat (TS)	lbs					
Top seat, ladder	lbs					
1 extra valve, hose guides	lbs	194	267	315	364	412
1 extra valve, int. hose routing	lbs	364	364	364	364	364
2 extra valves, hose guides	lbs	291	364	437	509	584
2 extra valves, int. hose routing	lbs	633	633	633	633	633
Winch (1.5 t), single snatch block	lbs	851	851	851	851	851
Winch (1.5 t), double snatch block	lbs	827	827	827	827	827
High-pressure filter	lbs	33	33	33	33	33
Oil cooler	lbs	121	121	121	121	121

1) Weights $\pm$ 5% because of tolerances for plate thickness

Max. Load on stabilizers (per stabilizer cylinder)	Unit	K1	K2	K3	K4	K5
S1, fixed	Lbf	14	14	14	14	14
S1, swing-up	Lbf	14	14	14	14	14
S2, fixed	Lbf	14	14	14	14	14
S2, swing-up	Lbf	14	14	14	14	14

Power consumption / oil capacity	Unit	K1	K2	K3	K4	K5
Working pressure	PSI	5003	5003	5003	5003	5003
Tank capacity (fitted on loader)	gal	14	14	14	14	14
Max. pump performance, Hydrocontrol, 1-circuit	gpm	10	10	10	10	10
Max. pump performance, Danfoss fixed flow	gpm	18	18	18	18	18
Max. pump performance, Danfoss variable	gpm	26	26	26	26	26

10/72SL Metric Specifications

Performance	Unit	K1	K2	K3	K4	K5
Loading group (EN12999)		HC1 / HD5	HC1 / HD5	HC1 / HD5	HC1 / HD5	HC1 / HD5
Load moment	tm	10.5	10.2	9.9	9.7	9.5
Hydraulic reach	m	5.5	7.5	9.7	11.8	14
Hydraulic telescopic movement	mm	1662	3629	5693	7751	9820
Lifting capacity, hydraulic	kg-m	2780 - 3.8	2660 - 3.8	2530 - 3.9	2420 - 4.0	2320 - 4.1
		1940 - 5.4	1830 - 5.5	1720 - 5.6	1630 - 5.7	1540 - 5.7
			1340 - 7.5	1240 - 7.5	1150 - 7.6	1070 - 7.7
				970 - 9.6	880 - 9.7	810 - 9.8
					720 - 11.7	640 - 11.8
						540 - 13.9
Lifting capacity, manual extensions	kg-m		1010 - 9.5	750 - 11.8	570 - 13.9	440 - 16.1
Slewing torque, gross	kNm	13.1	13.1	13.1	13.1	13.1
Slewing angle	°	420	420	420	420	420
Max. heel at max. load moment	°	5	5	5	5	5
Slewing speed	°/s	24	24	24	24	24

Dimensions	Unit	K1	K2	K3	K4	K5
Height above chassis	mm	2135	2135	2135	2135	2135
Width	mm	2350	2350	2350	2350	2350
Length, no extra valves	mm	747	747	747	747	747
Length, with extra valves (hose guides)	mm	868	868	868	868	868
Length, with extra valves (int. hose routing)	mm	757	757	757	757	757
Stabilizer spread, S1 (standard)	mm	4165	4165	4165	4165	4165
Stabilizer spread, S2	mm	5140	5140	5140	5140	5140

10/72SL Metric Specifications - Continued

Weights, basic loader	Unit	K1	K2	K3	K4	K5
Standard loader 1), excl. stabilizers	kg	985	1090	1190	1280	1360
Stabilizers, S1 fixed	kg	160	160	160	160	160
Stabilizers, S1 swing-up	kg	165	165	165	165	165
Stabilizers, S2 fixed	kg	185	185	185	185	185
Stabilizers, S2 swing-up	kg	190	190	190	190	190
Mounting kit, 4 bolts	kg	55	55	55	55	55
Mounting kit, 8 bolts	kg	60	60	60	60	60
Tank, excl. oil (fitted on loader)	kg	40	40	40	40	40
Manual extensions	kg		50	44	38	30
Oil in loader (stowing position)	kg	18	22	26	30	34

Weights, equipment	Unit	K1	K2	K3	K4	K5
Stand-up controls (HS), std.	kg					
Top seat (TS)	kg					
Top seat, ladder	kg					
1 extra valve, hose guides	kg	40	55	65	75	85
1 extra valve, int. hose routing	kg	75	75	75	75	75
2 extra valves, hose guides	kg	60	75	90	105	120
2 extra valves, int. hose routing	kg	130	130	130	130	130
Winch (1.5 t), single snatch block	kg	175	175	175	175	175
Winch (1.5 t), double snatch block	kg	170	170	170	170	170
High-pressure filter	kg	7	7	7	7	7
Oil cooler	kg	25	25	25	25	25

1) Weights $\pm$ 5% because of tolerances for plate thickness

Max. Load on stabilizers (per stabilizer cylinder)	Unit	K1	K2	K3	K4	K5
S1, fixed	kN	65	65	65	65	65
S1, swing-up	kN	65	65	65	65	65
S2, fixed	kN	65	65	65	65	65
S2, swing-up	kN	65	65	65	65	65

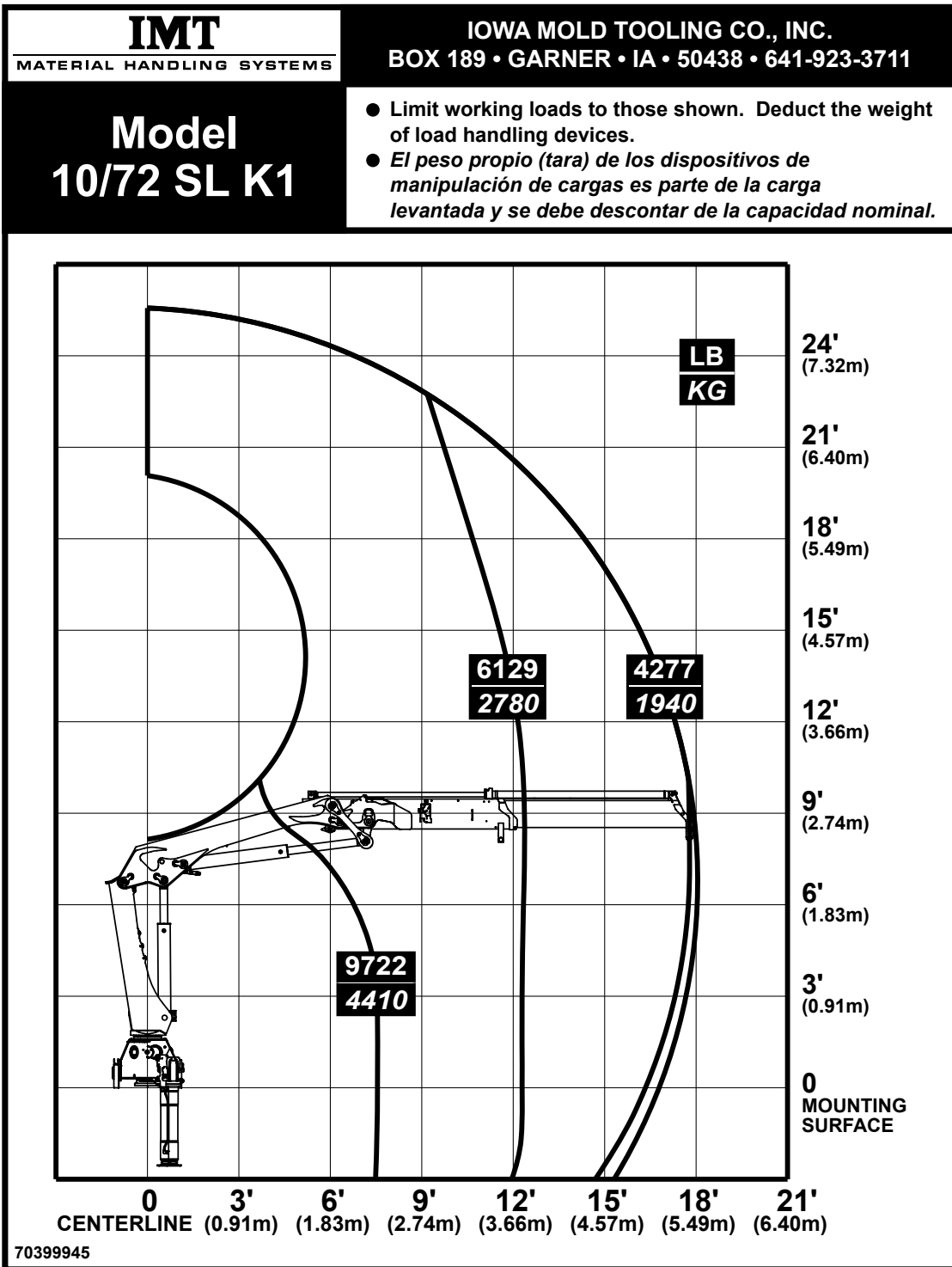
Power consumption / oil capacity	Unit	K1	K2	K3	K4	K5
Working pressure	Bar	345	345	345	345	345
Tank capacity (fitted on loader)	L	55	55	55	55	55
Max. pump performance, Hydrocontrol, 1-circuit	L/min	40	40	40	40	40
Max. pump performance, Danfoss fixed flow	L/min	70	70	70	70	70
Max. pump performance, Danfoss variable	L/min	100	100	100	100	100

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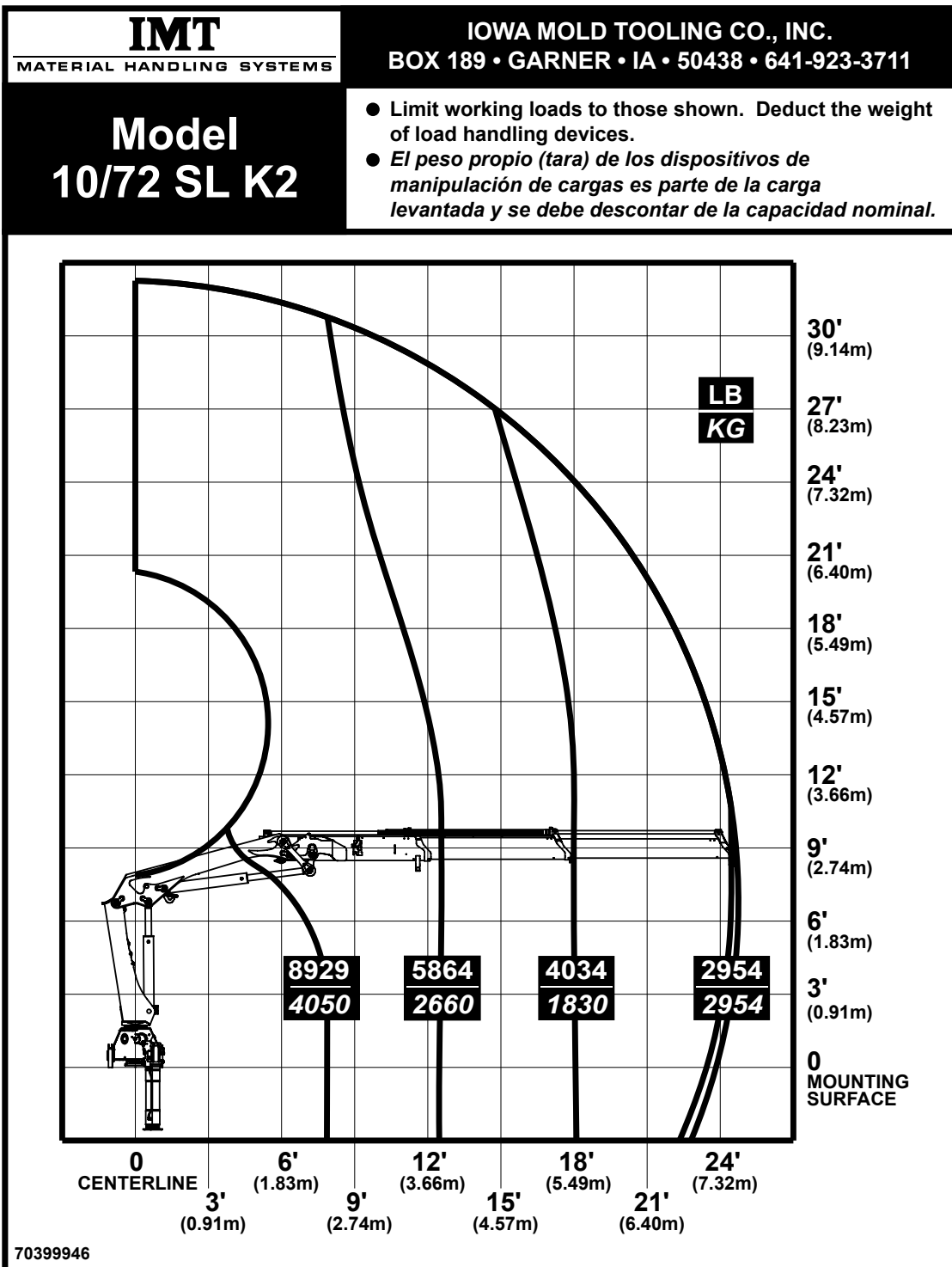
10/72SL Load Capacity Charts

Section - 2

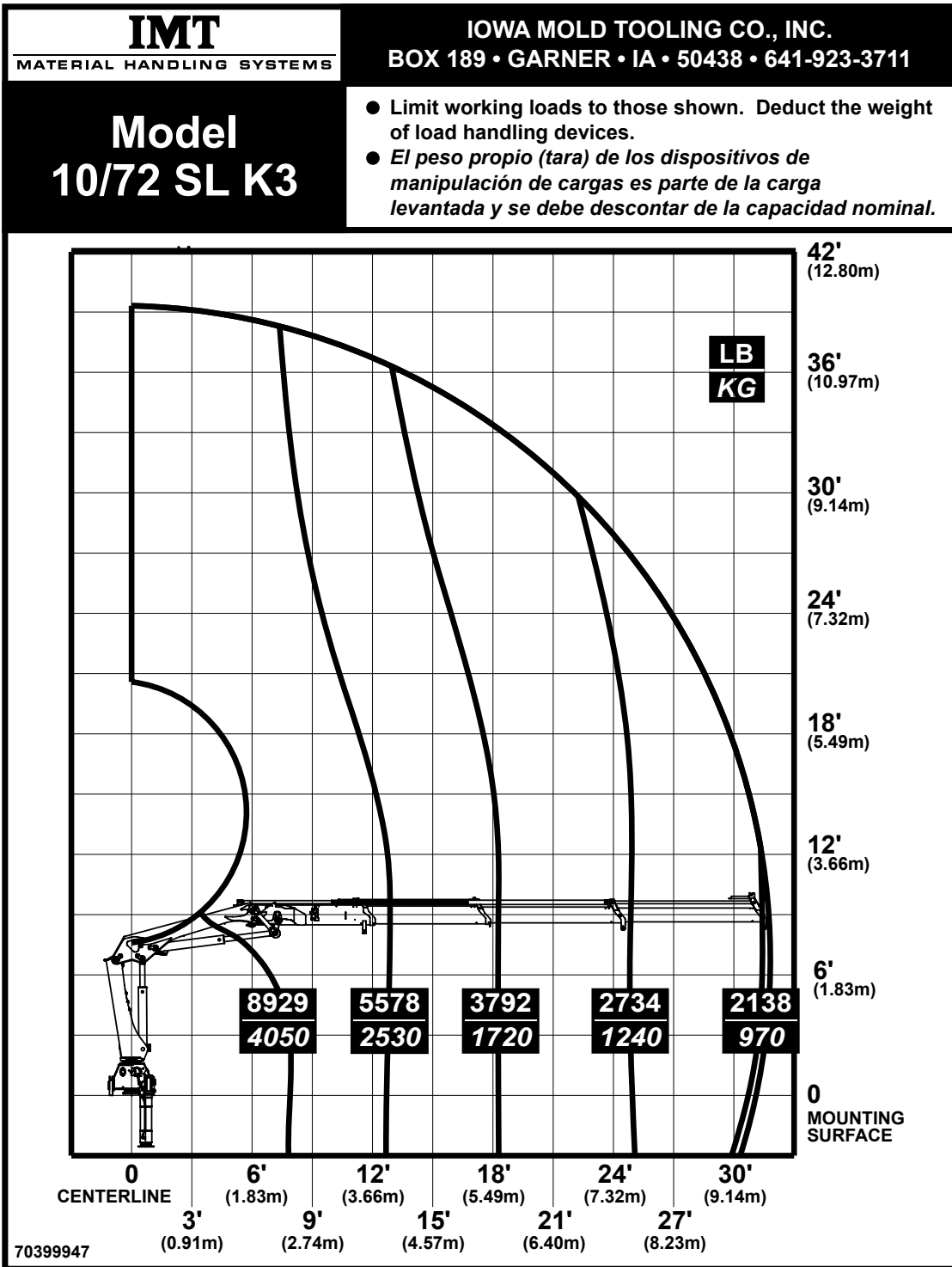
10/72SL Lifting Capacity Chart, K1



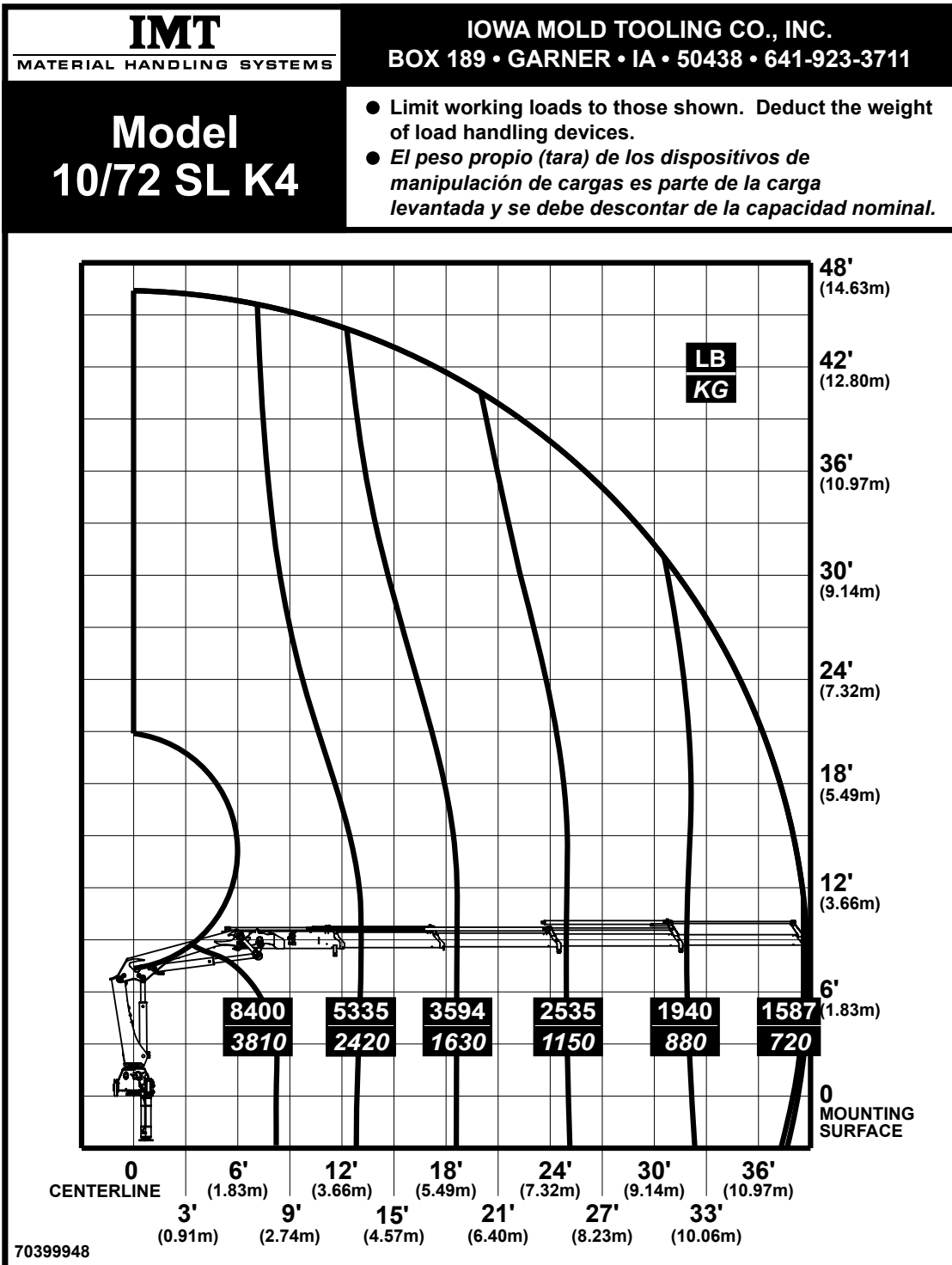
10/72SL Lifting Capacity Chart, K2



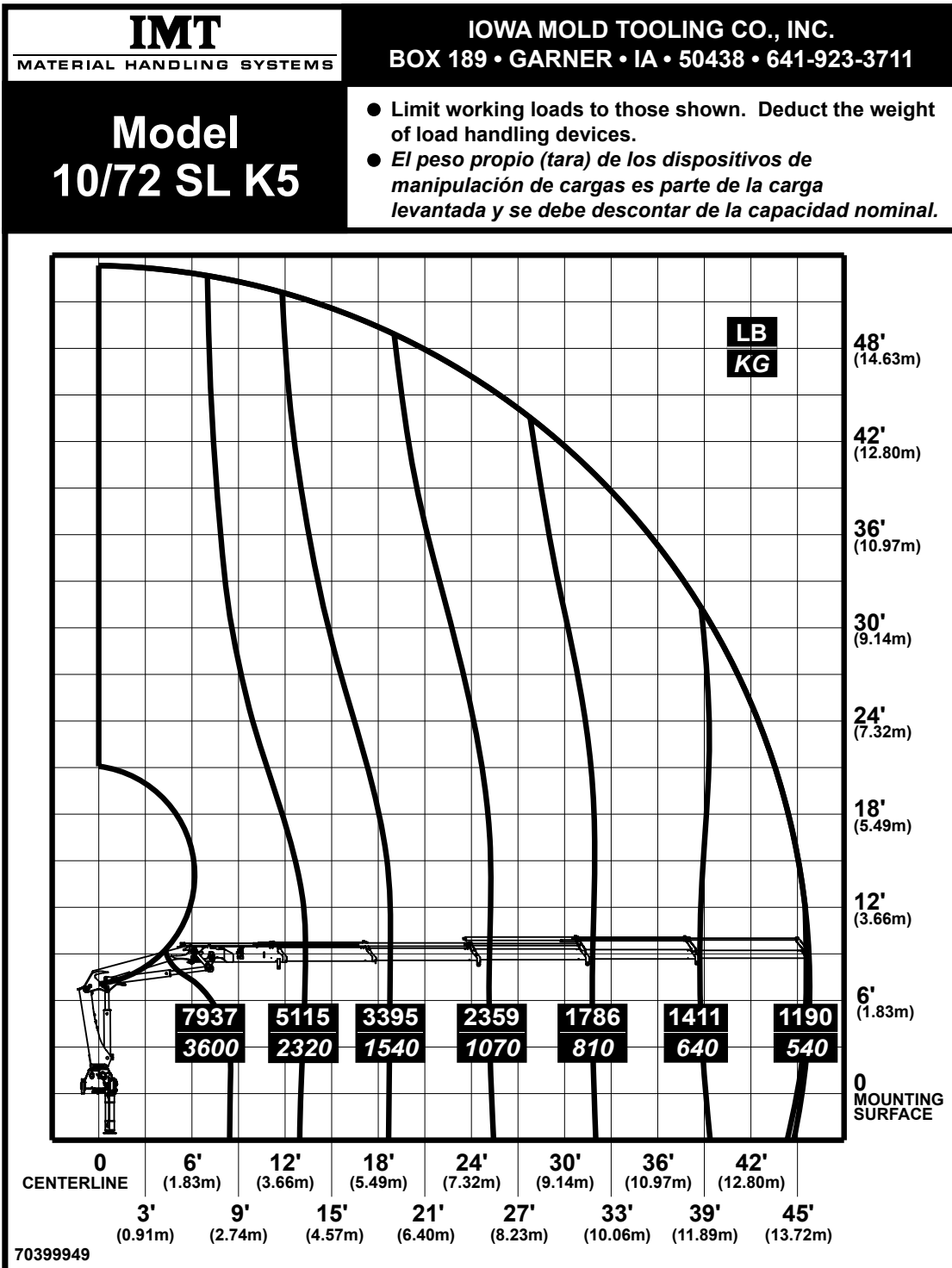
10/72SL Lifting Capacity Chart, K3



10/72SL Lifting Capacity Chart, K4



10/72SL Lifting Capacity Chart, K5



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10/72DL Technical Specifications

Section - 3

10/72DL Specifications

Performance	Unit	K1	K2	K3	K4	K5
Loading group (EN12999)		HC1 / HD5	HC1 / HD5	HC1 / HD5	HC1 / HD5	HC1 / HD5
Load moment	ft-lb	73766	71596	70150	67980	66534
Hydraulic reach	ft	18'0"	24'7"	31'10"	38'8"	45'11"
Hydraulic telescopic movement	ft	5'5"	11'10"	18'8"	25'5"	32'2"
Lifting capacity, hydraulic	lb-ft	5930 - 12'5"	5666 - 12'8"	5401 - 12'8"	5159 - 13'1"	4938 - 13'5"
		4145 - 17'8"	3902 - 18'0"	3682 - 18'4"	3461 - 18'8"	3285 - 19'0"
			2866 - 24'7"	2646 - 24'11"	2447 - 25'2"	2271 - 25'2"
				2050 - 31'5"	1874 - 31'10"	1720 - 32'1"
					1521 - 38'8"	1345 - 39'0"
						1124 - 45'7"
Lifting capacity, manual extensions	lb-ft		2161 - 31'1"	2395'0" - 38'8"	1213 - 45'7"	904 - 52'10"
Slewing torque, gross	lbft	9662	9662	9662	9662	9662
Slewing angle	°	420	420	420	420	420
Max. heel at max. load moment	°	5	5	5	5	5
Slewing speed	°/s	24	24	24	24	24

Dimensions	Unit	K1	K2	K3	K4	K5
Height above chassis	in	84	84	84	84	84
Width	in	92	92	92	92	92
Length, no extra valves	in	29	29	29	29	29
Length, with extra valves (hose guides)	in	34	34	34	34	34
Length, with extra valves (int. hose routing)	in	29	29	29	29	29
Stabilizer spread, S1 (standard)	ft	13'7"	13'7"	13'7"	13'7"	13'7"
Stabilizer spread, S2	ft	16'10"	16'10"	16'10"	16'10"	16'10"

10/72DL Specifications - Continued

Weights, basic loader	Unit	K1	K2	K3	K4	K5
Standard loader 1), excl. stabilizers	lbs	2205	2436	2657	2855	3031
Stabilizers, S1 fixed	lbs	353	353	353	353	353
Stabilizers, S1 swing-up	lbs	364	364	364	364	364
Stabilizers, S2 fixed	lbs	408	408	408	408	408
Stabilizers, S2 swing-up	lbs	419	419	419	419	419
Mounting kit, 4 bolts	lbs	121	121	121	121	121
Mounting kit, 8 bolts	lbs	132	132	132	132	132
Tank, excl. oil (fitted on loader)	lbs	88	88	88	88	88
Manual extensions	lbs		110	97	84	66
	lbs					
	lbs					
Oil in loader (stowing position)	lbs	40	49	57	66	75

Weights, equipment	Unit	K1	K2	K3	K4	K5
Stand-up controls (HS), std.	lbs					
Top seat (TS)	lbs					
Top seat, ladder	lbs					
1 extra valve, hose guides	lbs	88	121	143	165	187
1 extra valve, int. hose routing	lbs	165	165	165	165	165
2 extra valves, hose guides	lbs	132	165	198	231	265
2 extra valves, int. hose routing	lbs	287	287	287	287	287
Winch (1.5 t), single snatch block	lbs	386	386	386	386	386
Winch (1.5 t), double snatch block	lbs	375	375	375	375	375
High-pressure filter	lbs	15	15	15	15	15
Oil cooler	lbs	55	55	55	55	55

1) Weights $\pm$ 5% because of tolerances for plate thickness

Max. Load on stabilizers (per stabilizer cylinder)	Unit	K1	K2	K3	K4	K5
S1, fixed	Lbf	14	14	14	14	14
S1, swing-up	Lbf	14	14	14	14	14
S2, fixed	Lbf	14	14	14	14	14
S2, swing-up	Lbf	14	14	14	14	14

Power consumption / oil capacity	Unit	K1	K2	K3	K4	K5
Working pressure	PSI	5003	5003	5003	5003	5003
Tank capacity (fitted on loader)	gal	14	14	14	14	14
Max. pump performance, Hydrocontrol, 1-circuit	gpm	10	10	10	10	10
Max. pump performance, Danfoss fixed flow	gpm	15	15	15	15	15
Max. pump performance, Danfoss variable	gpm	21	21	21	21	21

10/72DL Metric Specifications

Performance	Unit	K1	K2	K3	K4	K5
Loading group (EN12999)		HC1 / HD5	HC1 / HD5	HC1 / HD5	HC1 / HD5	HC1 / HD5
Load moment	tm	10.2	9.9	9.7	9.4	9.2
Hydraulic reach	m	5.5	7.5	9.7	11.8	14
Hydraulic telescopic movement	mm	1662	3629	5693	7751	9820
Lifting capacity, hydraulic	kg-m	2690 - 3.8	2570 - 3.9	2450 - 3.9	2340 - 4.0	2240 - 4.1
		1880 - 5.4	1770 - 5.5	1670 - 5.6	1570 - 5.7	1490 - 5.8
			1300 - 7.5	1200 - 7.6	1110 - 7.7	1030 - 7.7
				930 - 9.6	850 - 9.7	780 - 9.8
					690 - 11.8	610 - 11.9
						510 - 13.9
Lifting capacity, manual extensions	kg-m		980 - 9.5	730 - 11.8	550 - 13.9	410 - 16.1
Slewing torque, gross	kNm	13.1	13.1	13.1	13.1	13.1
Slewing angle	°	420	420	420	420	420
Max. heel at max. load moment	°	5	5	5	5	5
Slewing speed	°/s	24	24	24	24	24

Dimensions	Unit	K1	K2	K3	K4	K5
Height above chassis	mm	2135	2135	2135	2135	2135
Width	mm	2350	2350	2350	2350	2350
Length, no extra valves	mm	747	747	747	747	747
Length, with extra valves (hose guides)	mm	868	868	868	868	868
Length, with extra valves (int. hose routing)	mm	757	757	757	757	757
Stabilizer spread, S1 (standard)	mm	4165	4165	4165	4165	4165
Stabilizer spread, S2	mm	5140	5140	5140	5140	5140

10/72DL Metric Specifications - Continued

Weights, basic loader	Unit	K1	K2	K3	K4	K5
Standard loader 1), excl. stabilizers	kg	1000	1105	1205	1295	1375
Stabilizers, S1 fixed	kg	160	160	160	160	160
Stabilizers, S1 swing-up	kg	165	165	165	165	165
Stabilizers, S2 fixed	kg	185	185	185	185	185
Stabilizers, S2 swing-up	kg	190	190	190	190	190
Mounting kit, 4 bolts	kg	55	55	55	55	55
Mounting kit, 8 bolts	kg	60	60	60	60	60
Tank, excl. oil (fitted on loader)	kg	40	40	40	40	40
Manual extensions	kg		50	44	38	30
	kg					
	kg					
Oil in loader (stowing position)	kg	18	22	26	30	34

Weights, equipment	Unit	K1	K2	K3	K4	K5
Stand-up controls (HS), std.	kg					
Top seat (TS)	kg					
Top seat, ladder	kg					
1 extra valve, hose guides	kg	40	55	65	75	85
1 extra valve, int. hose routing	kg	75	75	75	75	75
2 extra valves, hose guides	kg	60	75	90	105	120
2 extra valves, int. hose routing	kg	130	130	130	130	130
Winch (1.5 t), single snatch block	kg	175	175	175	175	175
Winch (1.5 t), double snatch block	kg	170	170	170	170	170
High-pressure filter	kg	7	7	7	7	7
Oil cooler	kg	25	25	25	25	25

1) Weights $\pm$ 5% because of tolerances for plate thickness

Max. Load on stabilizers (per stabilizer cylinder)	Unit	K1	K2	K3	K4	K5
S1, fixed	kN	65	65	65	65	65
S1, swing-up	kN	65	65	65	65	65
S2, fixed	kN	65	65	65	65	65
S2, swing-up	kN	65	65	65	65	65

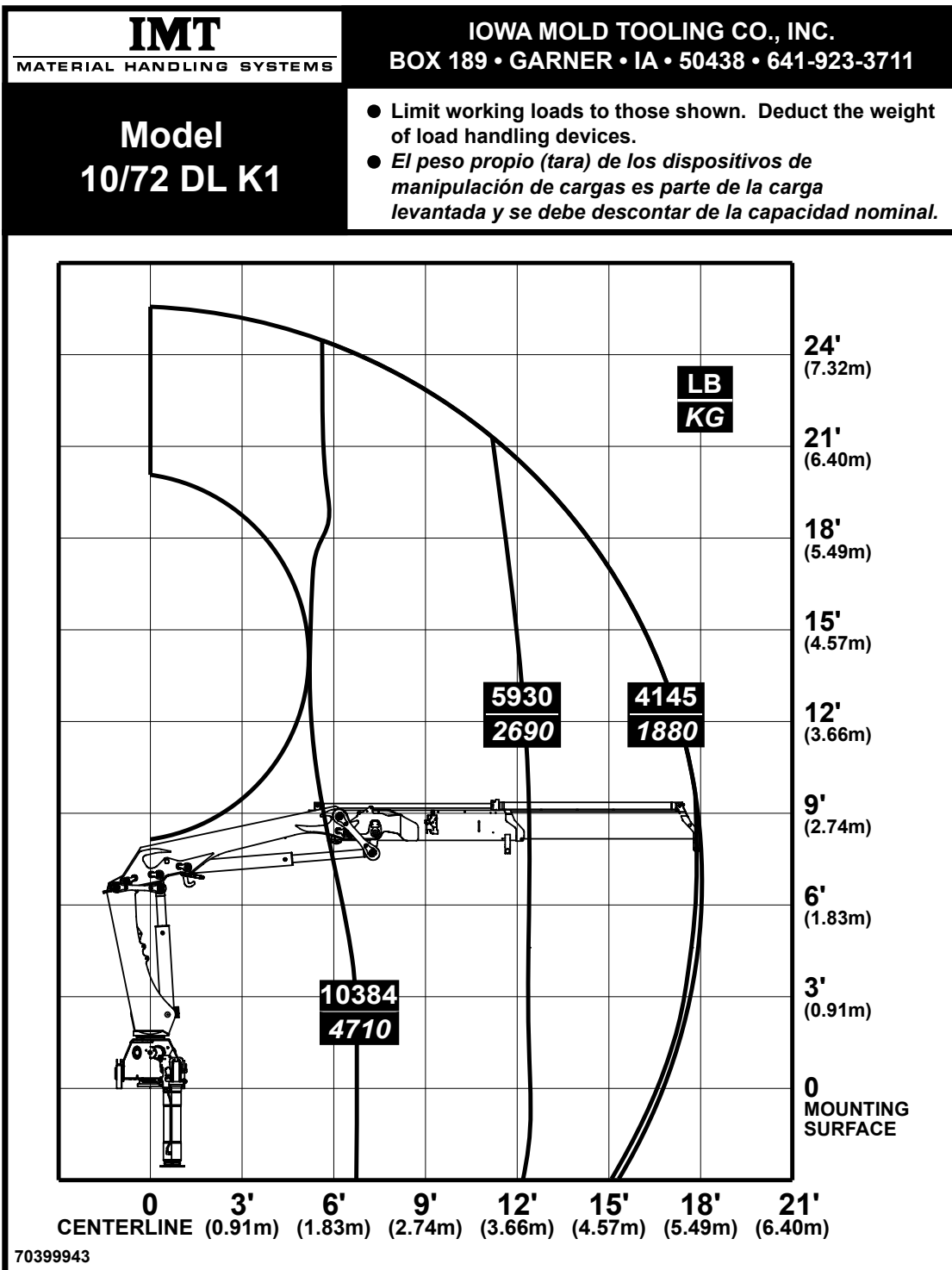
Power consumption / oil capacity	Unit	K1	K2	K3	K4	K5
Working pressure	Bar	345	345	345	345	345
Tank capacity (fitted on loader)	L	55	55	55	55	55
Max. pump performance, Hydrocontrol, 1-circuit	L/min	40	40	40	40	40
Max. pump performance, Danfoss fixed flow	L/min	60	60	60	60	60
Max. pump performance, Danfoss variable	L/min	80	80	80	80	80

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10/72DL Load Capacity Charts

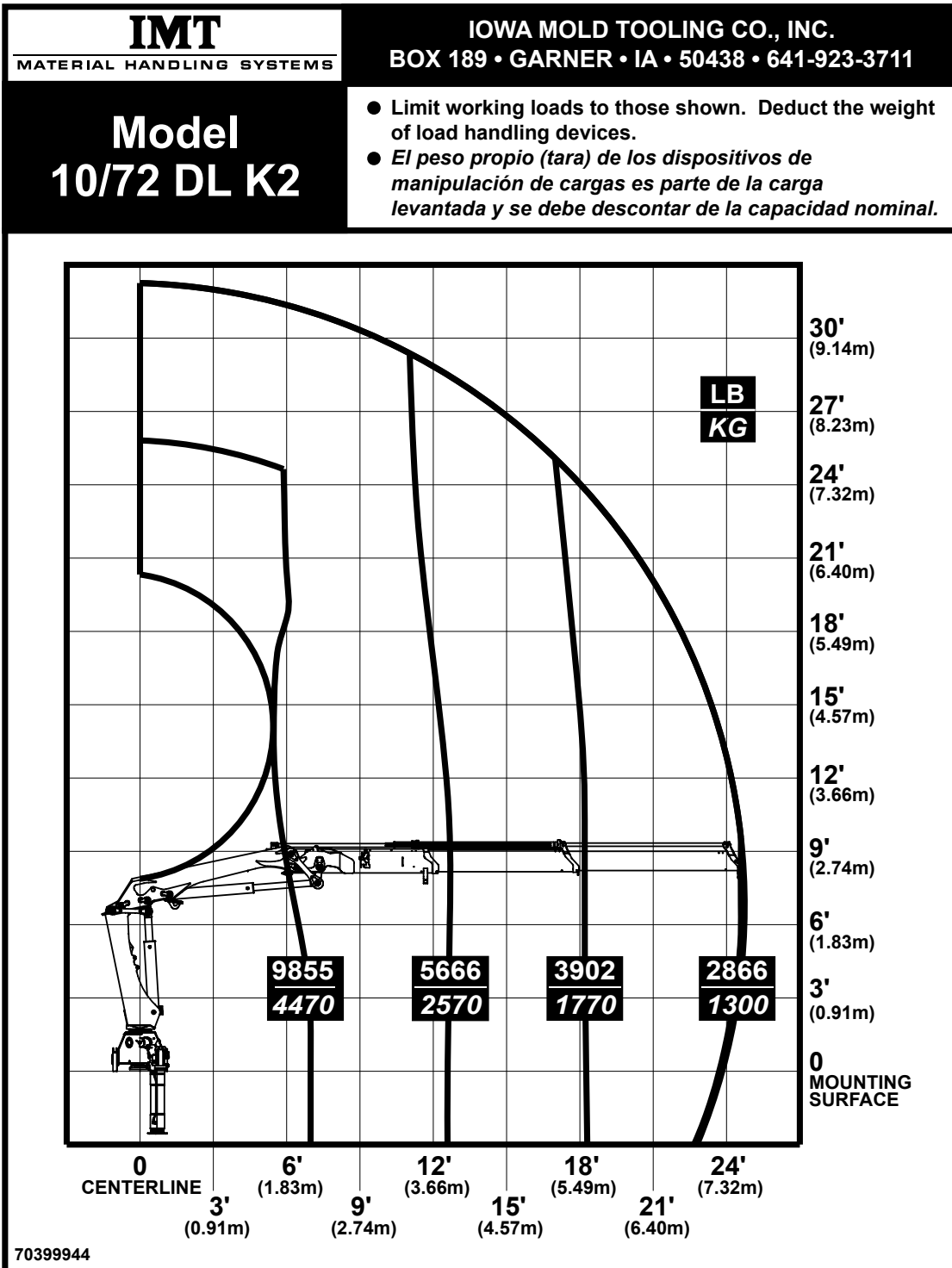
Section - 4

10/72DL Lifting Capacity Chart, K1

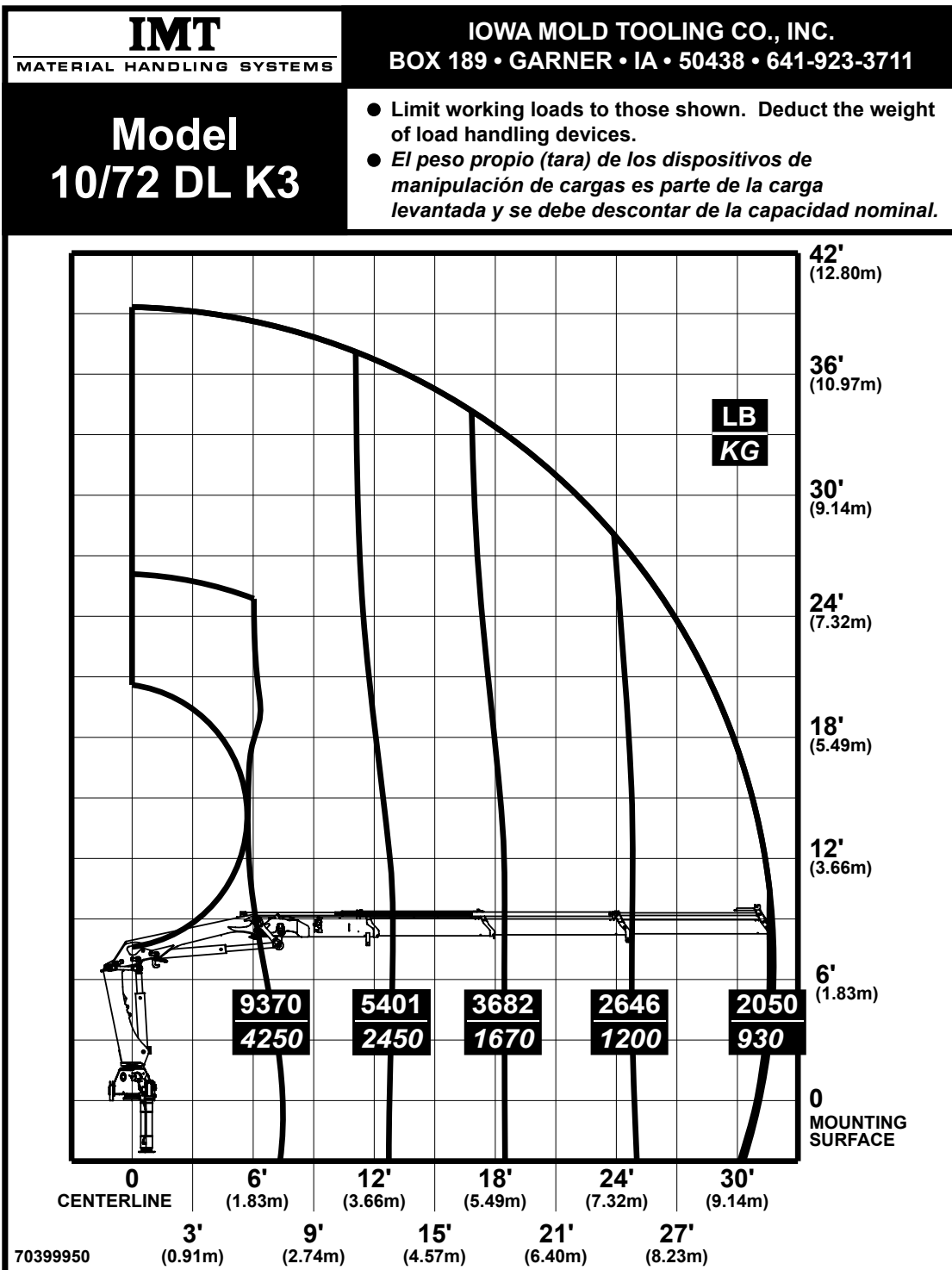


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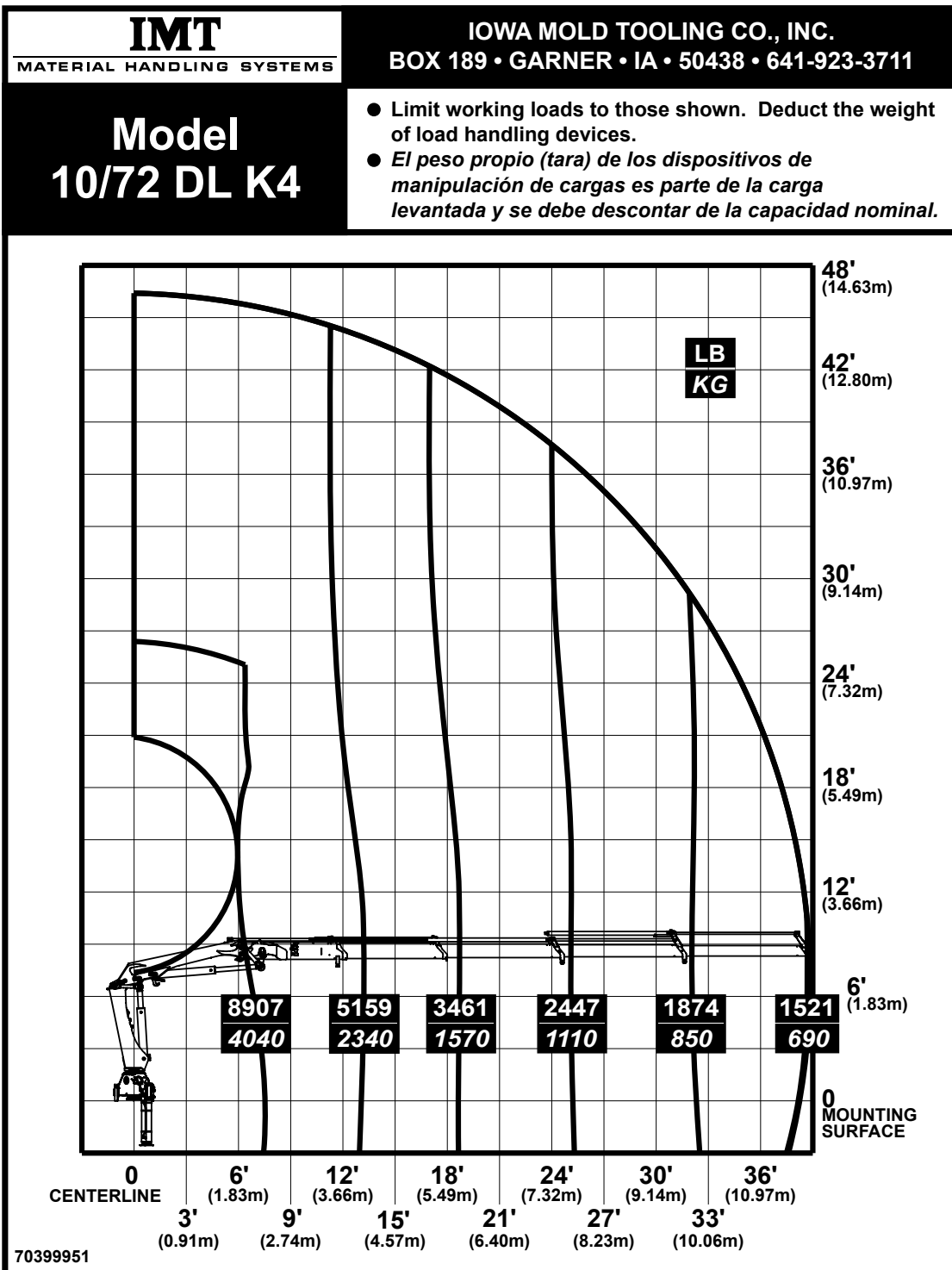
10/72DL Lifting Capacity Chart, K2



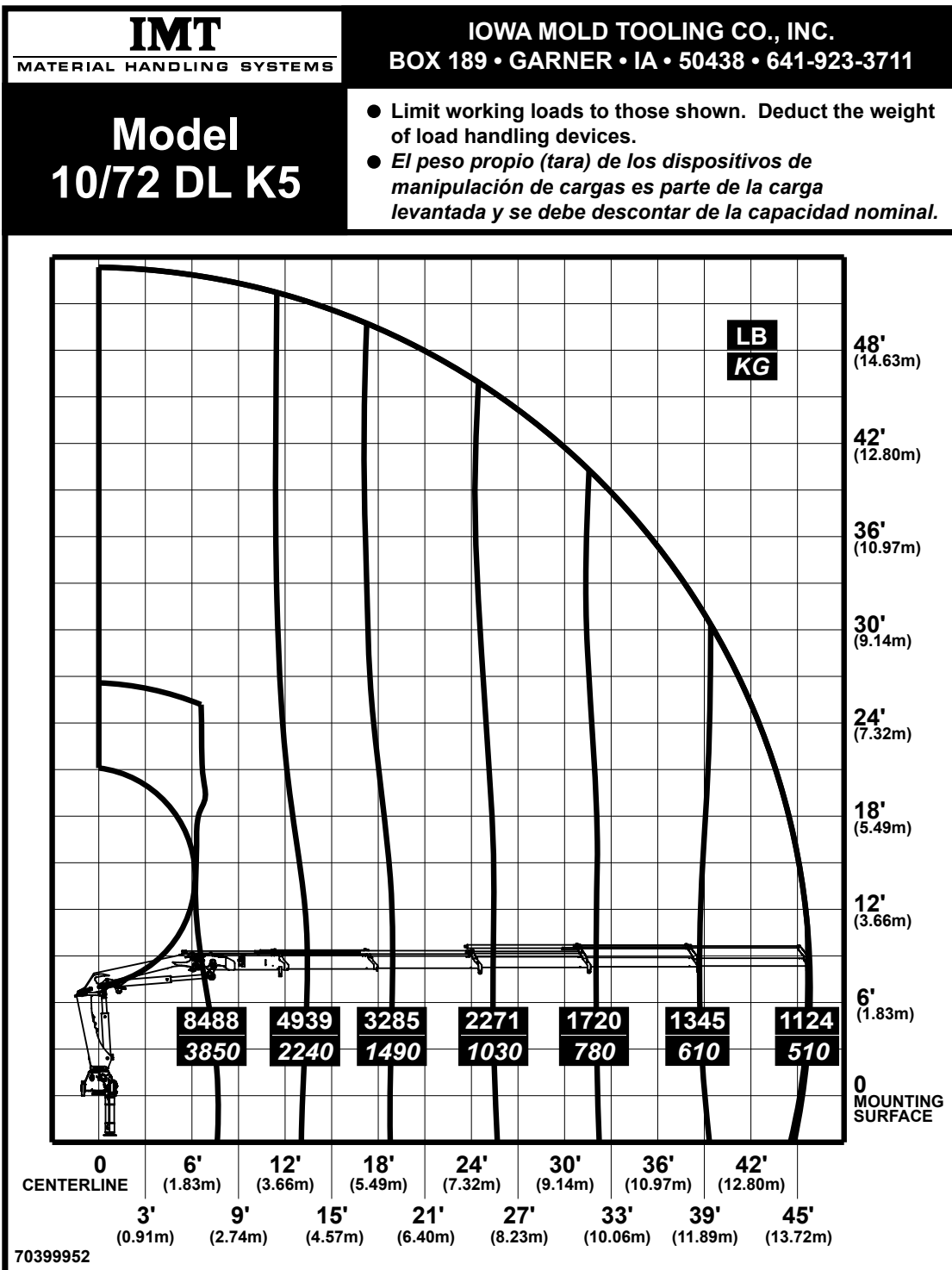
10/72DL Lifting Capacity Chart, K3



10/72DL Lifting Capacity Chart, K4



10/72DL Lifting Capacity Chart, K5



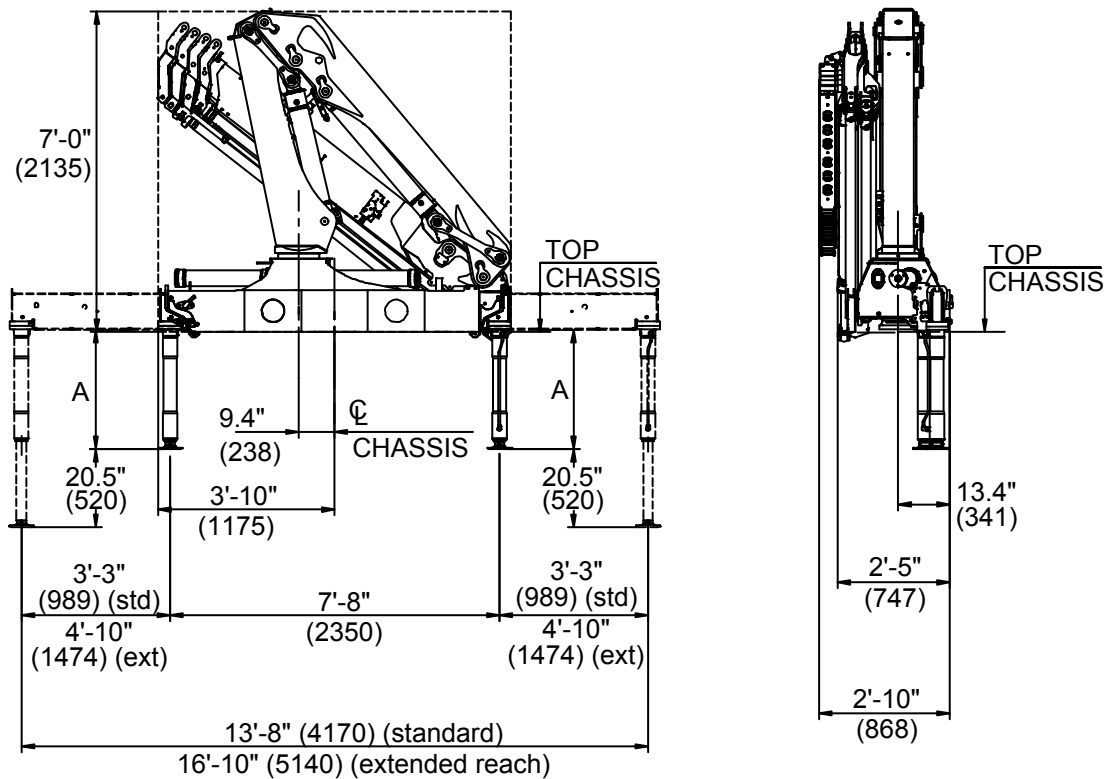
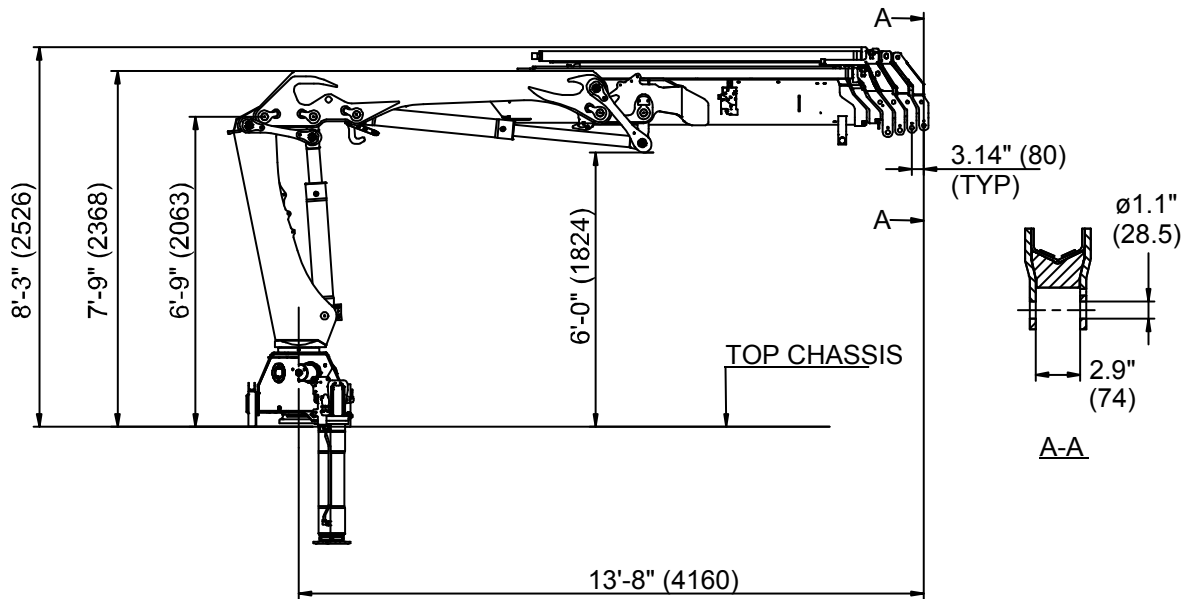
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10/72SL - 10/72DL Dimension Drawings

Section - 5

Geometric Configuration

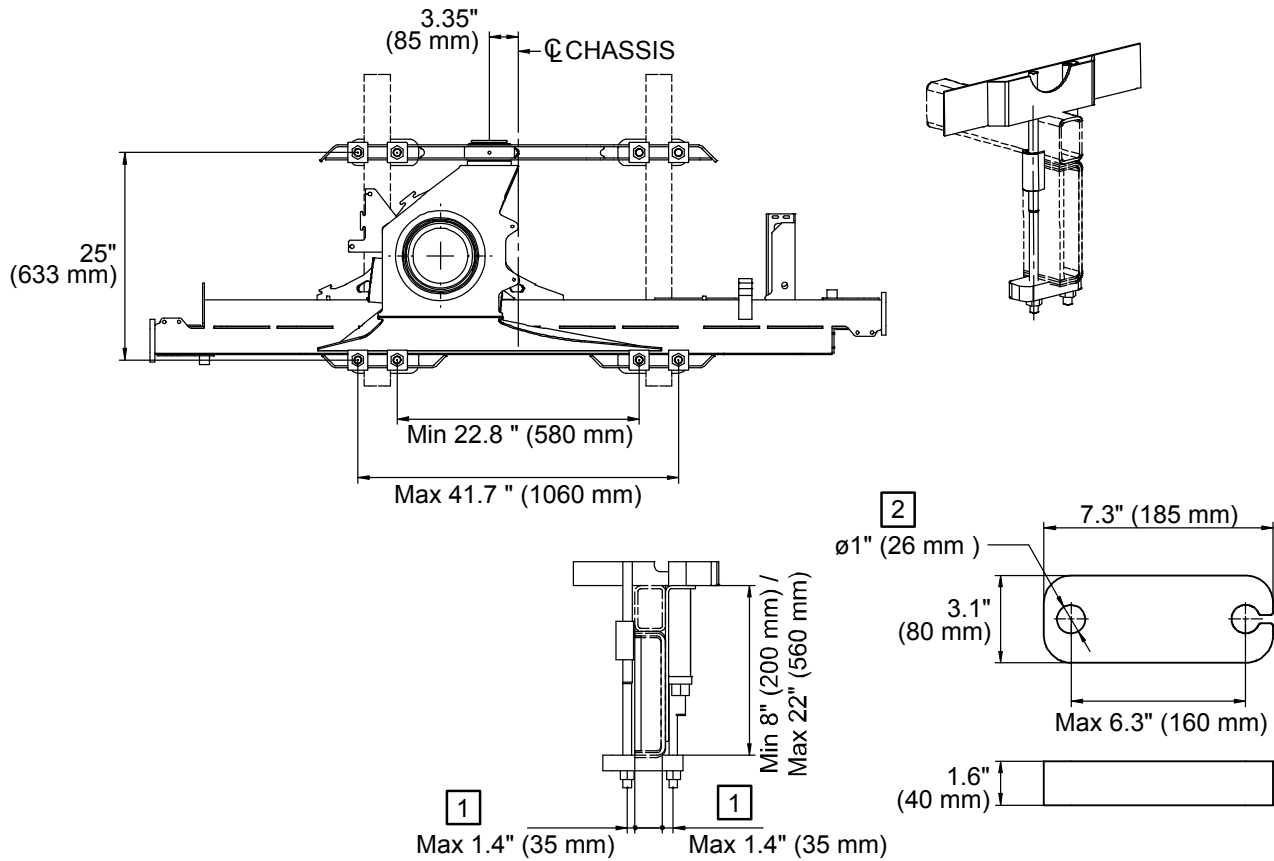


Double link crane shown. Single link dimensions are the same.

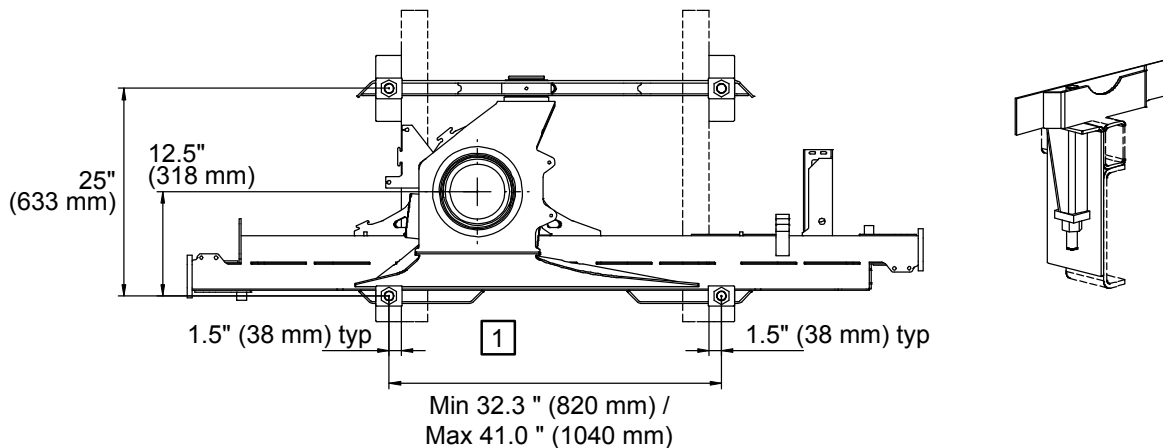
Dimensions shown in ft-in (mm).

Mounting Dimensions

8 mounting holes - M24 x 2 bolt



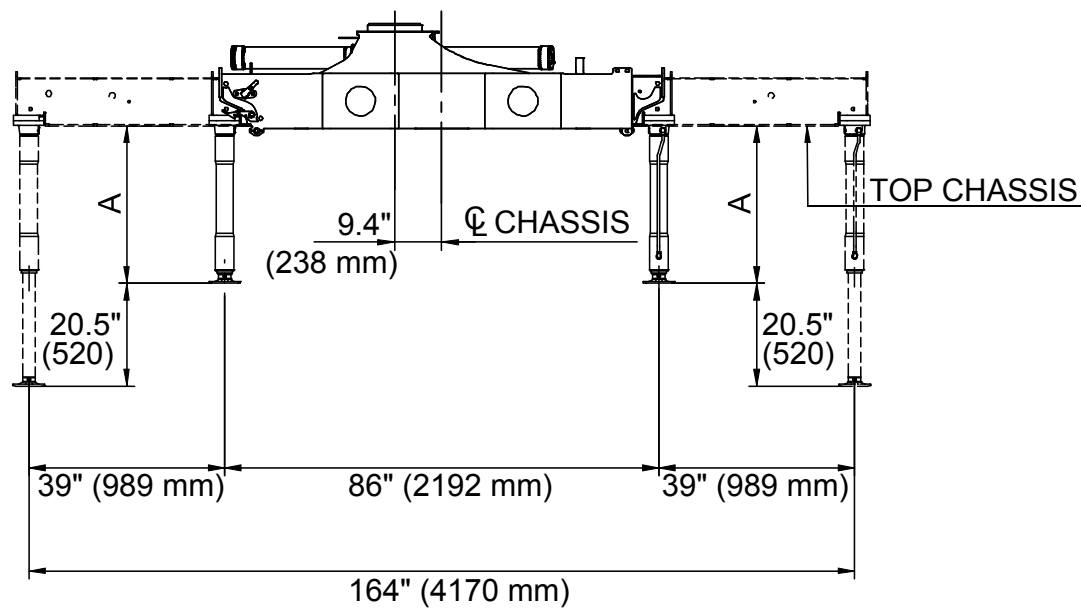
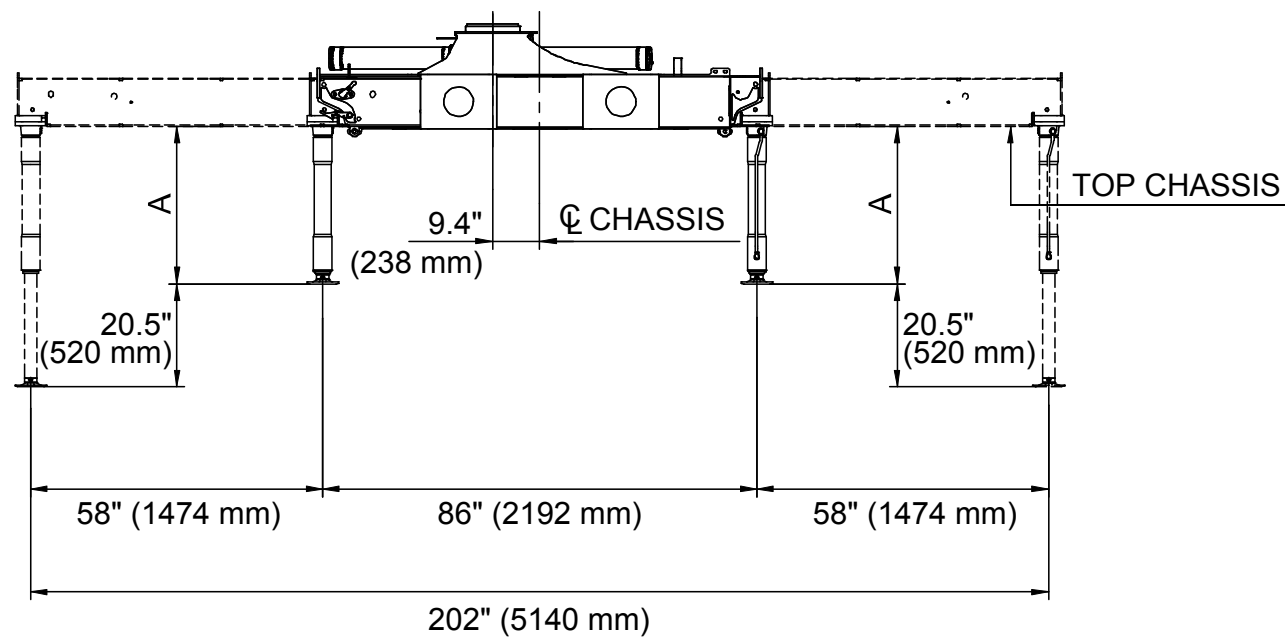
4 mounting holes - M30 x 2 bolt



NOTES (SEE REFERENCE NUMBER IN BOX):

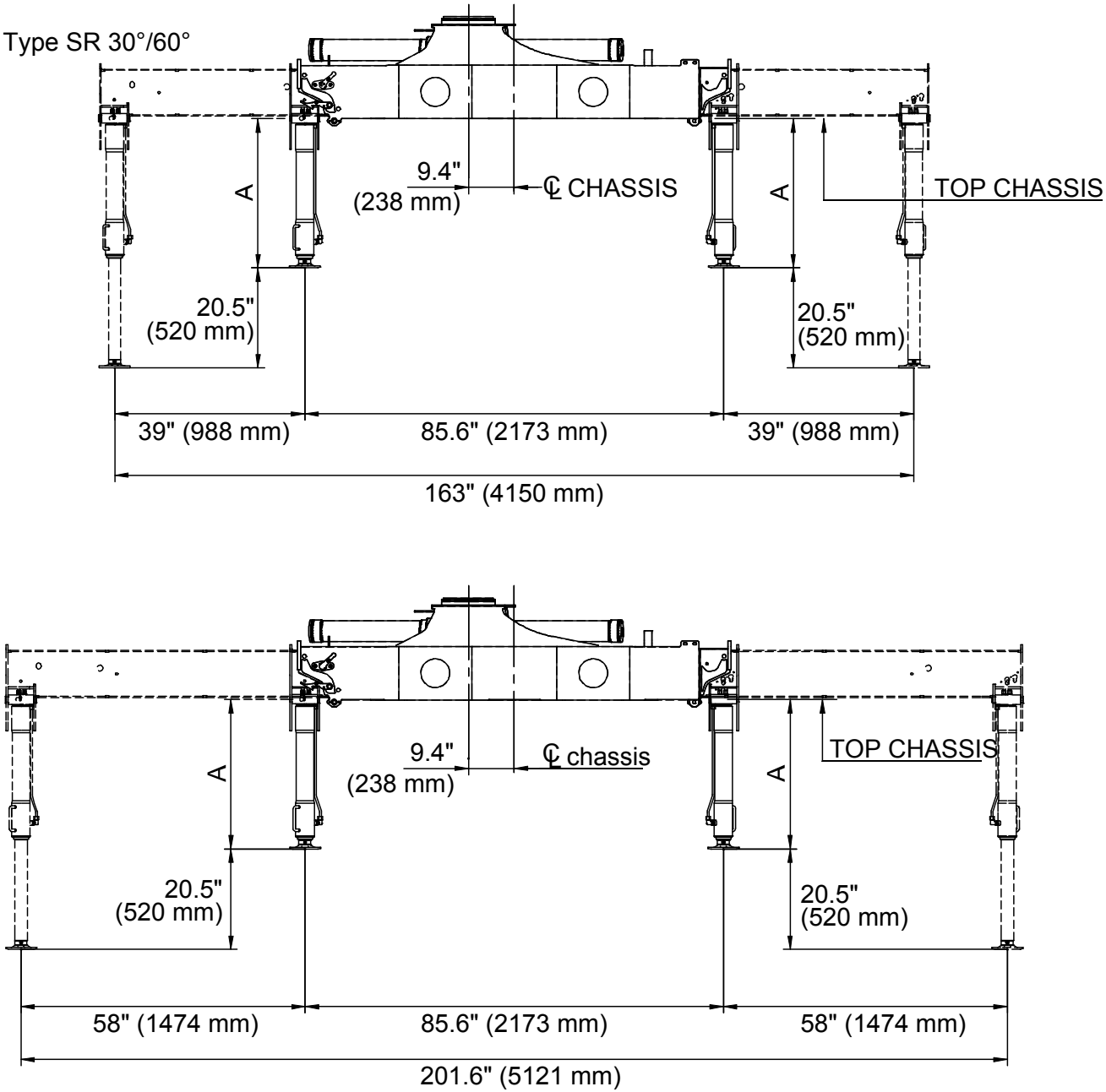
1. Value dictated by strength concerns
2. Mounting hole diameter

Dimensions, Fixed Stabilizer Legs



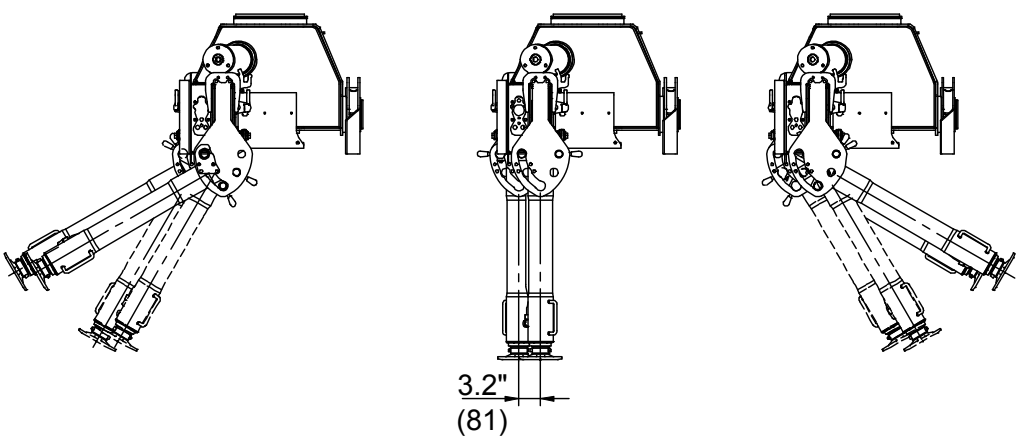
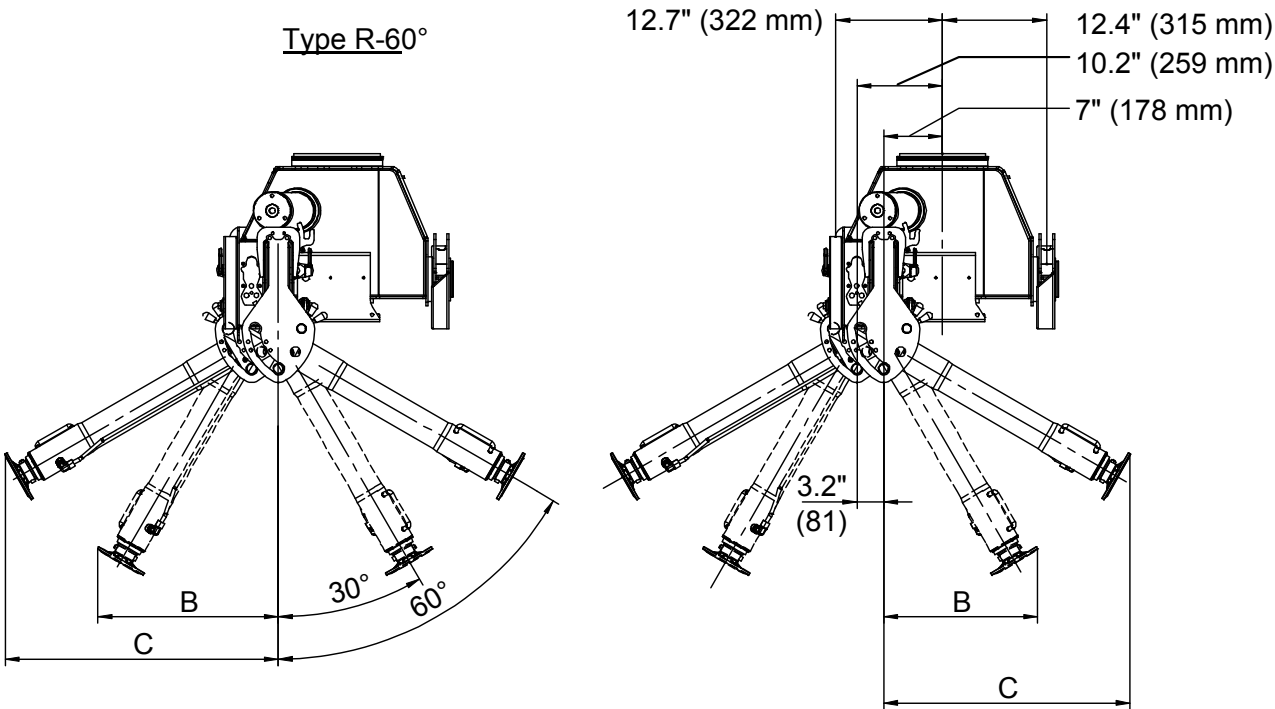
			
A	30.6" (777)	34.5" (877)	38.5" (977)

Dimensions, Manual Swing-Up Stabilizer Legs



A	30.6" 775	34.5" 875	38.5" 975

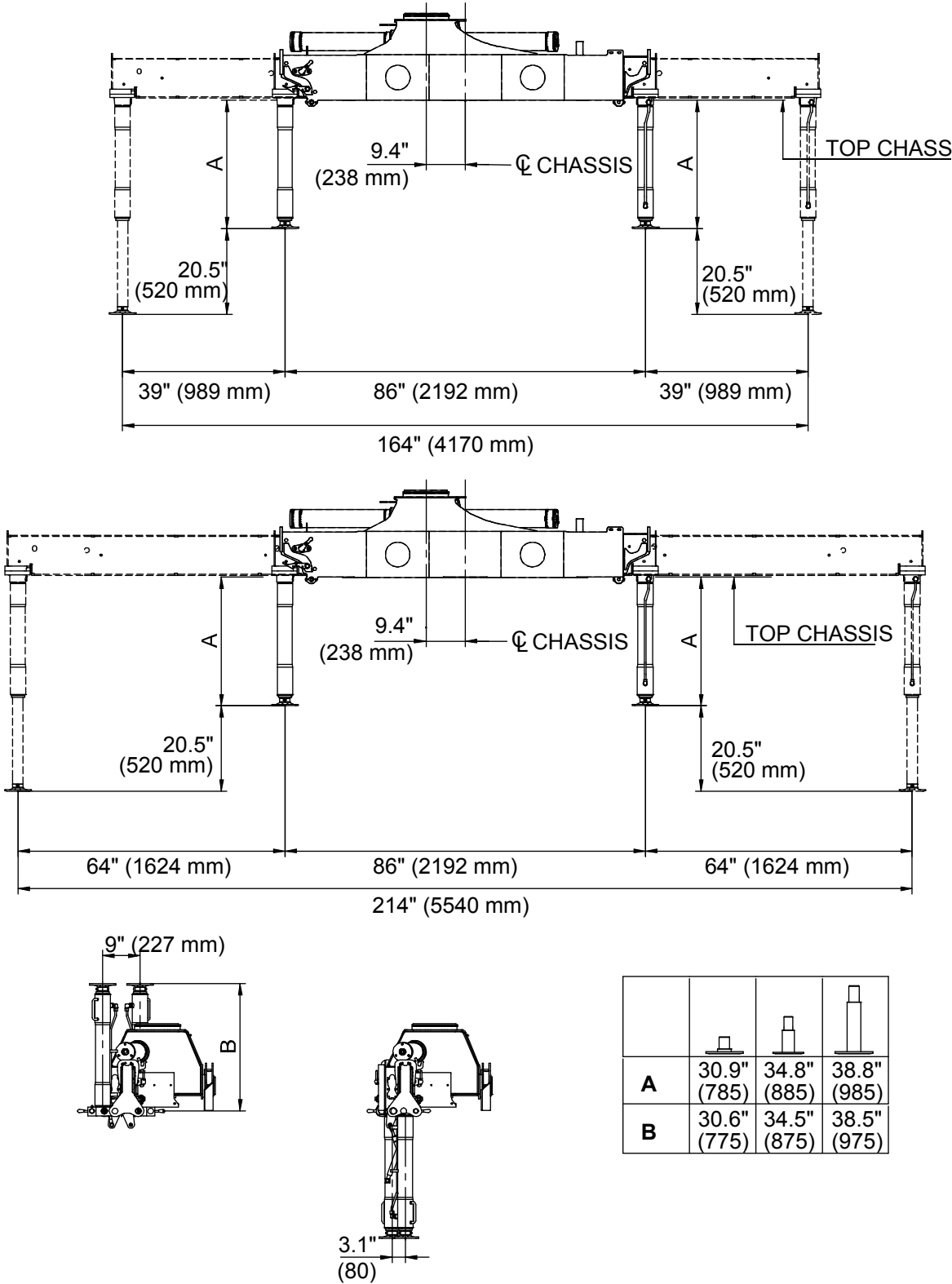
Dimensions, Manual Swing-Up Stabilizer Legs - Continued



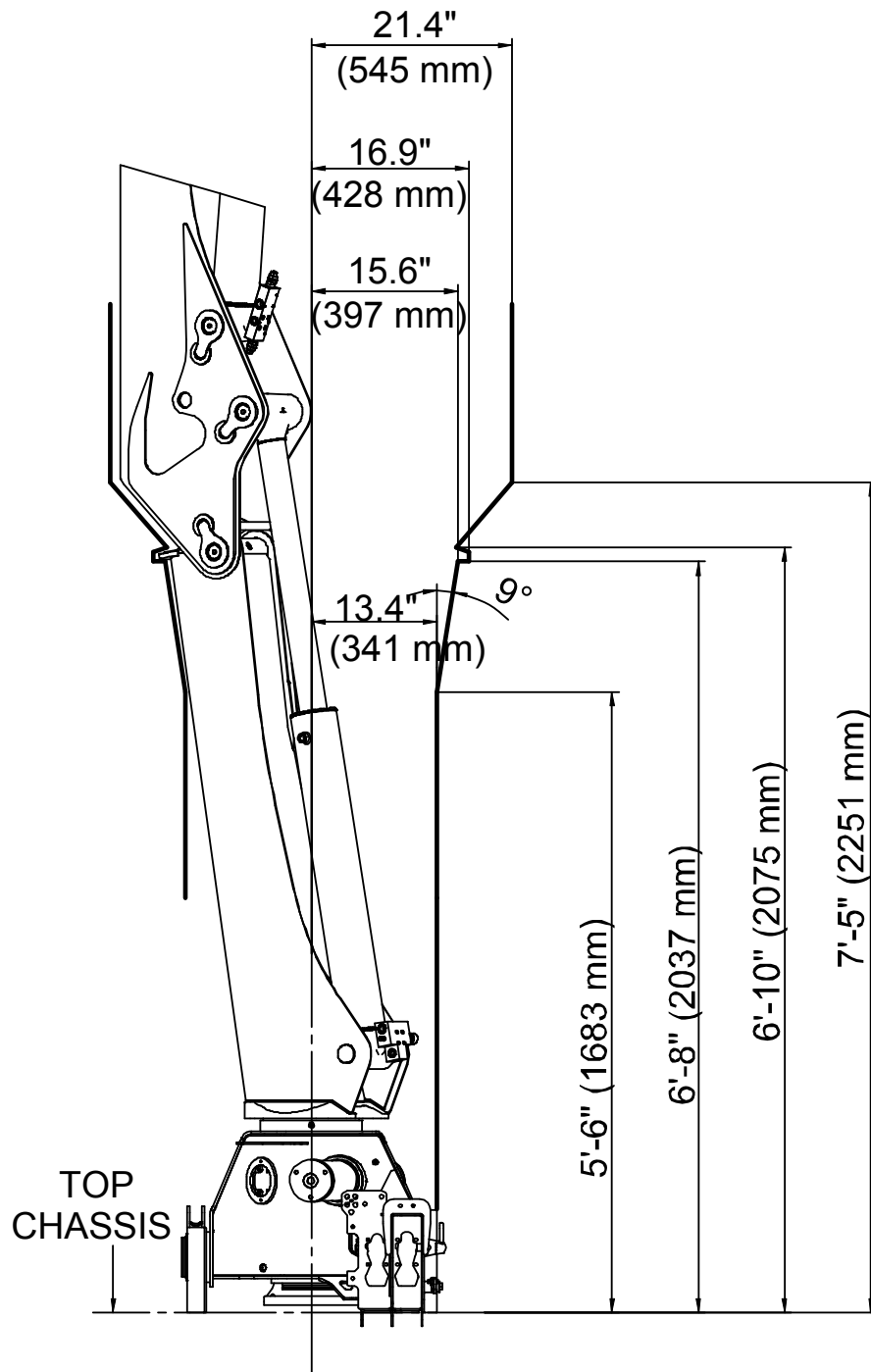
			
B	18.3" (465)	20.3" (515)	22.2" (565)
C	29.3" (745)	32.7" (831)	36.1" (918)

Dimensions, Manual Swing-Up Stabilizer Legs - Continued

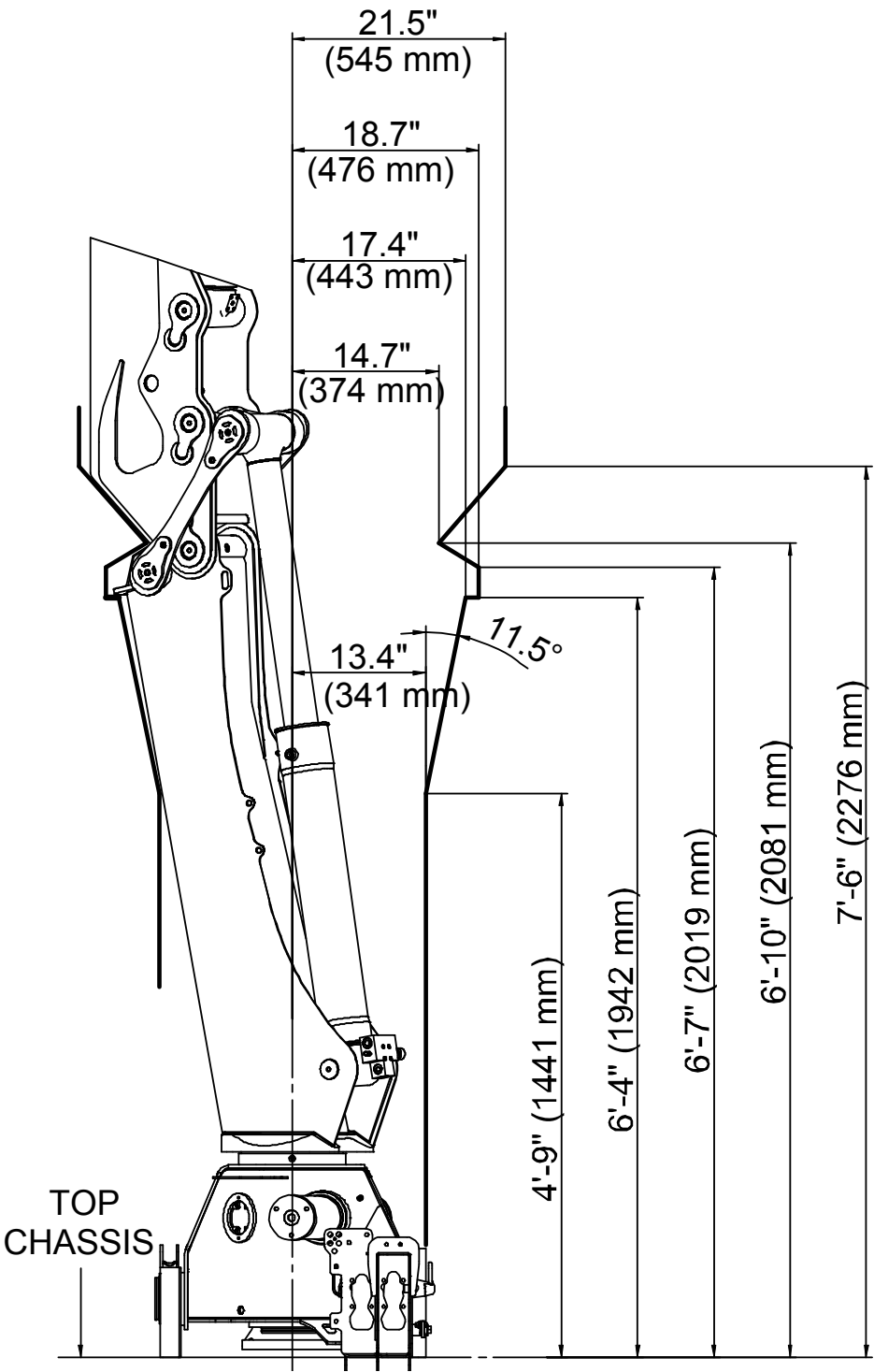
Type SV 180°



Single Link Swing Clearance



Double Link Swing Clearance





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