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Manual # 99905811

32 / 222

Technical Specifications

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WARNING

Operating, servicing and maintaining this vehicle or equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle or equipment in a well-ventilated area and wear gloves or wash your hands frequently when servicing. For more information go to www.P65Warnings.ca.gov.

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30 / 222 Technical Specifications

Section - 1

32 / 222 - Specifications

Performance	Unit	K2	K3	K4	K5	K6	K7	K8
Loading group (EN12999)		H1/B3/HD5	H1/B3/HD5	H1/B3/HD5	H1/B3/HD5	H1/B3/HD5	H1/B3/HD5	H1/B3/HD5
Load moment	ft-lb	221599	215102	212937	207162	201388	200666	195613
Hydraulic reach	ft	27' 2"	33' 8"	40' 7"	47' 9"	55' 1"	62' 3"	69' 9"
Hydraulic telescopic movement	ft	12' 1"	18' 8"	25' 6"	32' 6"	39' 9"	47' 3"	54' 7"
Lifting capacity, hydraulic	lb-ft	15060-14'9" 10690-20'8" 8200-26'10"	14620-14'9" 10275-20'8" 7760-26'10" 6220-33'5"	14130-15'1" 9830-21'0" 7340-27'2" 5775-33'8" 4785-40'4"	13735-15'1" 9460-21'0" 6990-27'2" 5425-33'9" 4410-40'7" 3750-47'6"	13380-15'1" 9130-21'0" 6635-27'2" 5095-33'9" 4080-40'7" 3420-47'6" 2930-54'9"	13030-15'5" 8820-21'3" 6330-27'6" 4785-33'9" 3770-40'7" 3085-47'6" 2625-54'9" 2295-62'0"	12720-15'5" 8510-21'3" 6065-27'6" 4495-34'1" 3485-41'0" 2800-47'10" 2335-54'5" 2005-62'0" 1765-69'6"
Lifting capacity, manual extensions	lb-ft					2425-62'0"	1984-69'6"	1499-76'8" 992-84'6"
Slewing torque, gross	lb-ft	28078						
Slewing angle	°							
Max. heel at max. load moment	°	5						
Slewing speed	°/s	10						

Minimum Chassis Specs

Front Axle Rating (GAWR)	20,000 lbs (9,072 kg)
Rear Axle Rating (GAWR)	40,000 lbs (18,150 kg)
Resistance to Bending Moment	3,330,000 in-lbs (38,365 kg-m)

32 / 222 - Specifications - Continued

Dimensions	Unit	K2	K3	K4	K5	K6	K7	K8
Height above chassis	ft-in	7' 7"						
Width	ft-in	8' 2"						
Length, no extra valves	ft-in	3' 4"				3' 7"		
Length, with extra valves (hose guides)	ft-in	4' 3"				-	-	-
Length, with 2 extra valve (hose reels + winch)	ft-in	-	-	4' 2"				
Length, with extra valves (int. hose routing + winch)	ft-in	4' 2"				-	-	-
Stabilizer spread, min., 2xS=1625	ft-in	18'2"						
Stabilizer spread max., 2xS=2065	ft-in	21' 1"						

Weights, basic loader	Unit	K2	K3	K4	K5	K6	K7	K8
Standard loader 1), excl. stabilizers	lb	5710	6151	6592	6967	7319	7650	7926
Stabilizers beam, 1xS=1625	lb	298						
Stabilizers beam, 1xS=2065	lb	397						
Stabilizer cylinders, 1x swing-up	lb	88						
Stabilizers cylinders, 1xhyd. swing-up	lb	-						
Mounting kit - long, 8 bolts	lb	154						
Mounting kit - 4 bolts	lb	88						
Manual extensions	lb					150	128	104 88
Oil in loader (stowing position)	lb	77	88	97	104	112	123	132
Tank 160L, excl. oil (fitted on loader)*	lb	165						

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

32 / 222 - Specifications - Continued

Weights, equipment	Unit	K2	K3	K4	K5	K6	K7	K8
1 extra valve, int. hose routing	lb	165		176		187	-	
2 extra valves, hose guides	lb	165	198	231	265	298	-	
2 extra valves, hose reels	lb	-					408	408
2 extra valves, int. hose routing	lb	287		309	320	331	-	
Winch (2.5 t), single snatch block	lb	397			408			419
Winch (2.5 t), double snatch block	lb	441			452			463
Extra proportional RC-function on the base	lb	26						
Oil cooler	lb	66						

Max. Load on stabilizers (per stabilizer cylinder)	Unit	K2	K3	K4	K5	K6	K7	K8
S=1650 (swing-up / hydr. Swing-up)	ft-lb	287						
S=2065 (swing-up / hydr. swing-up)	ft-lb	280						

Power consumption (oil capacity)	Unit	K2	K3	K4	K5	K6	K7	K8
Working pressure	PSI	5294						
Max. pump performance, fixed flow	gpm	21						
	KW	49						
Max. pump performance, variable	gpm	34						
	KW	80						
Max. oil consumption	gal	10	12	14	15	16	17	18

32 / 222 - Metric Specifications

Performance	Unit	K2	K3	K4	K5	K6	K7	K8
Loading group (EN12999)		H1/B3/HD5	H1/B3/HD5	H1/B3/HD5	H1/B3/HD5	H1/B3/HD5	H1/B3/HD5	H1/B3/HD5
Load moment	tm	30.7	29.8	29.5	28.7	27.9	27.8	27.1
Hydraulic reach	m	8.3	10.3	12.4	14.6	16.8	19	21.3
Hydraulic telescopic movement	mm	3680	5730	7810	9950	12150	14410	16670
Lifting capacity. hydraulic	kg-m	6830-4.5	6630-4.5	6410-4.6	6230-4.6	6070-4.6	5910-4.7	5770-4.7
		4850-6.3	4660-6.3	4460-6.4	4460-6.4	4140-6.4	4000-6.5	3860-6.5
		3720-8.2	3520-8.2	3330-8.3	3330-8.3	3010-8.3	2870-8.4	2750-8.4
			2820-10.2	2620-10.	2620-10.3	2310-10.3	2170-10.3	2040-10.4
				2170-12.3	2170-12.3	1850-12.4	1710-12.4	1580-12.5
						1550-14.5	1400-14.5	1270-14.6
						1330-16.7	1190-16.7	1060-16.7
							1040-18.9	910-18.9
Lifting capacity. manual extensions	kg-m					1100-18.9	900-12.2	680-23.4 450-25.8
Slewing torque. gross	kNm	38						
Slewing angle	°	-						
Max. heel at max. load moment	°	5						
Slewing speed	°/s	10						

32 / 222 - Metric Specifications - Continued

Dimensions	Unit	K2	K3	K4	K5	K6	K7	K8
Height above chassis	mm	2350						
Width	mm	2500						
Length, no extra valves	mm	1024					1130	
Length, with extra valves (hose guides)	mm	1147					-	
Length, with 2 extra valve (hose reels + winch)	mm	-	1286				1239	
Length, with extra valves (int. hose routing + winch)	mm	1024					-	
Stabilizer spread min., 2xS=1625	mm	5550						
Stabilizer spread max., 2xS=2065	mm	6430						

Weights, basic loader	Unit	K2	K3	K4	K5	K6	K7	K8
Standard loader 1), excl. stabilizers	kg	3610	3900	4170	4420	4620	4800	4975
Stabilizers beam, 1xS=1625	kg	135						
Stabilizers beam, 1xS=2065	kg	180						
Stabilizer cylinders, 1x swing-up	kg	50						
Stabilizers cylinders, 1xhyd. swing-up	kg							
Mounting kit - long, 8 bolts	kg	70						
Mounting kit -4 bolts	kg	40						
Mounting kit - subframe	kg							
Manual extensions	kg	-	-	-	-	68	58	60
	kg	-	-	-	-			75
Oil in loader (stowing position)	kg	77	88	97	104	112	123	132
Tank 160L, excl. oil (fitted on loader)*	kg	165						

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

32 / 222 - Metric Specifications - Continued

Weights, equipment	Unit	K2	K3	K4	K5	K6	K7	K8
1 extra valve, int hose routing	kg	75		80		85	-	
2 extra valves, hose guides	kg	75	90	105	120	135	-	
1 extra valve, hose reels	kg	-					185	
1 extra valve, int. hose routing	kg	130		140	145	150	-	
Winch (2.5 t), single snatch block	kg	180			185			190
Winch (2.5 t), double snatch block	kg	200			205			210
Winch (3.2 t), single snatch block	kg	240						
Winch (3.2 t), double snatch block	kg	275			280			285
Extra proportional RC-function on the base	kg	12						
Oil cooler	kg	30						

Max. Load on stabilizers (per stabilizer cylinder)	Unit	K2	K3	K4	K5	K6	K7	K8
S=1650 (swing-up / hydr. Swing-up)	kN	130						
S=2065 (swing-up / hydr. swing-up)	kN	127						

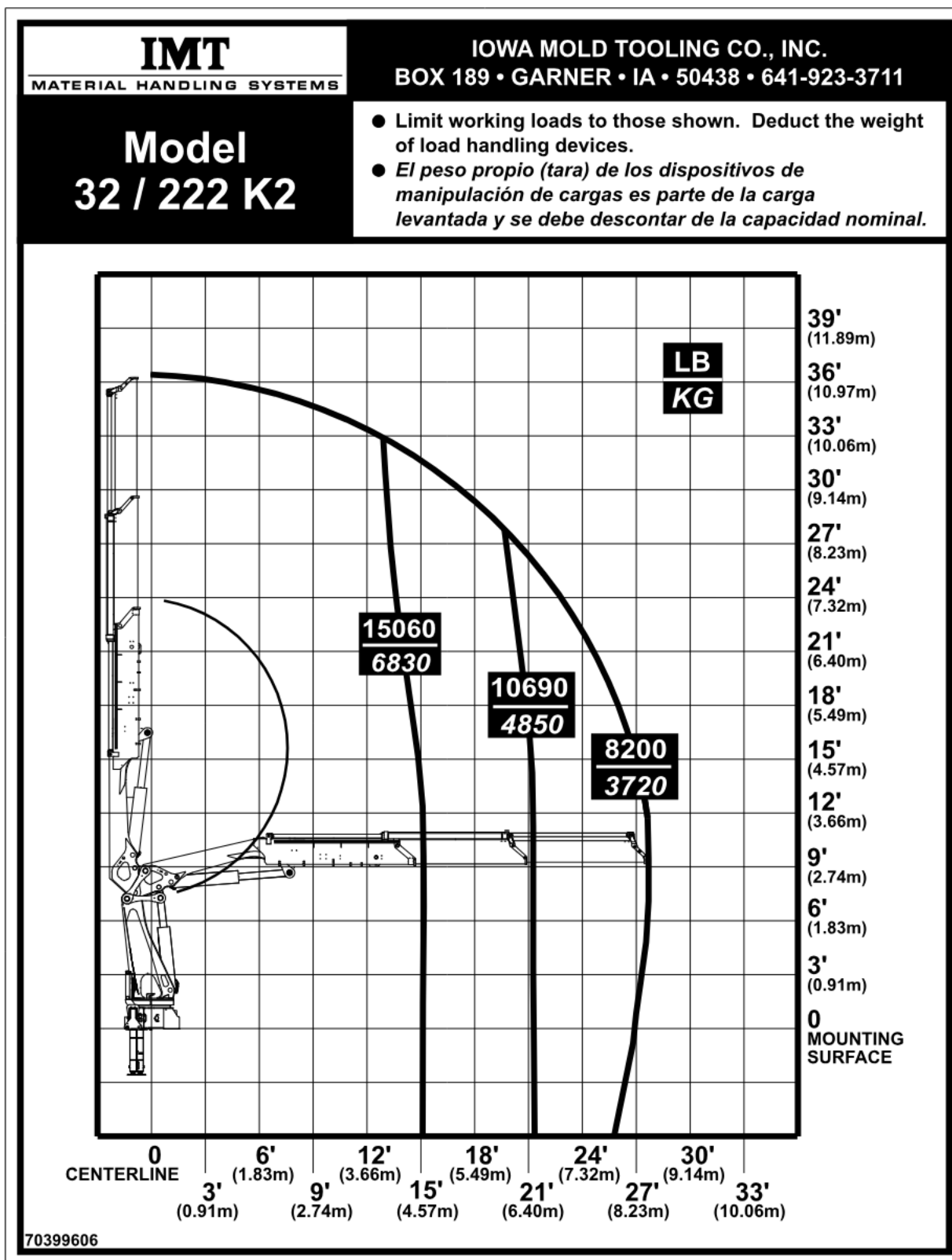
Power consumption (oil capacity)	Unit	K2	K3	K4	K5	K6	K7	K8
Working pressure	Bar	365						
Max. pump performance, fixed flow	L/min	80						
	KW	49						
Max. pump performance, variable	L/min	130						
	KW	80						
Max. oil consumption	L	39	40	52	56	60	64	68

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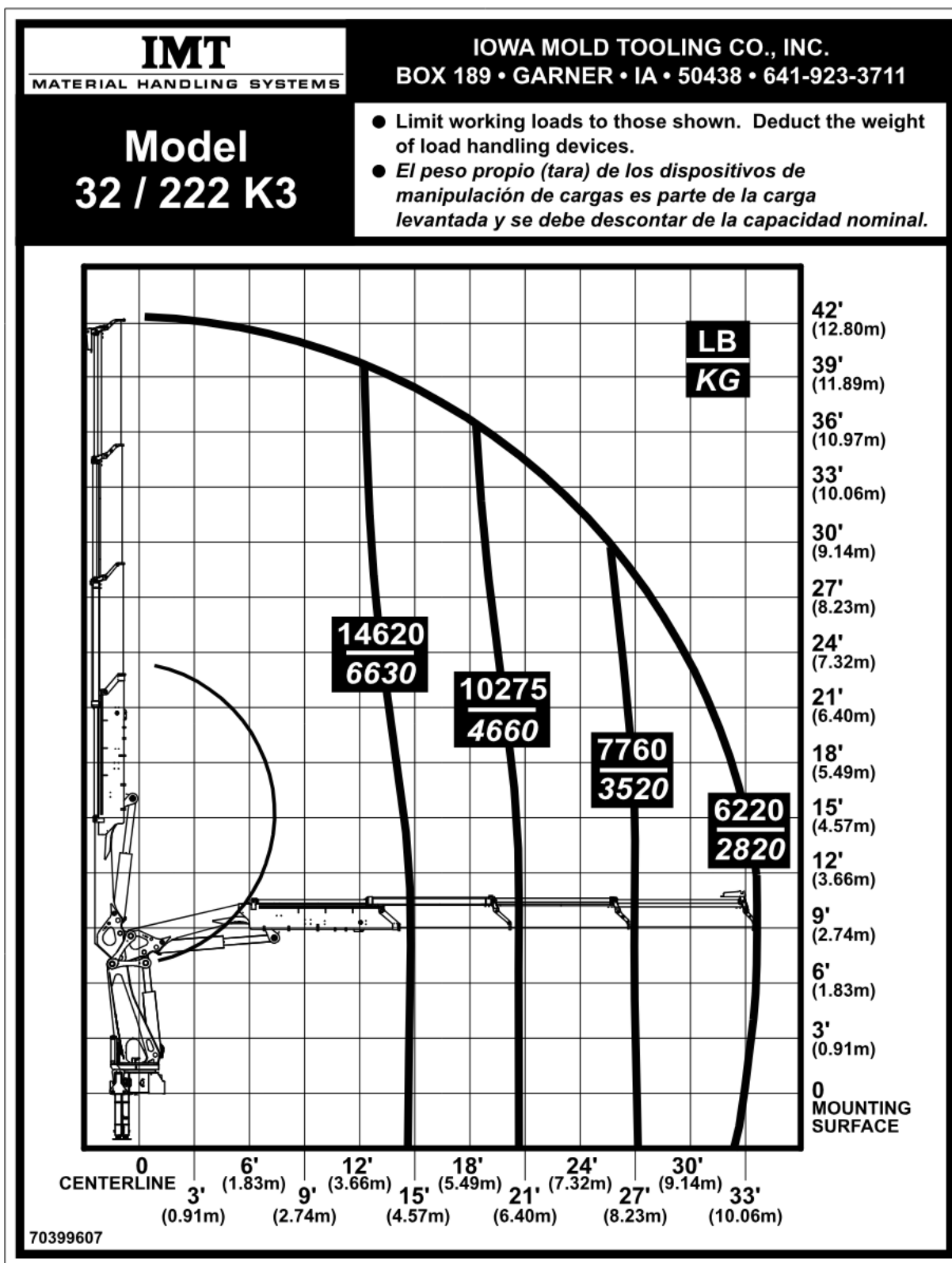
32 / 222 Capacity Charts

Section - 2

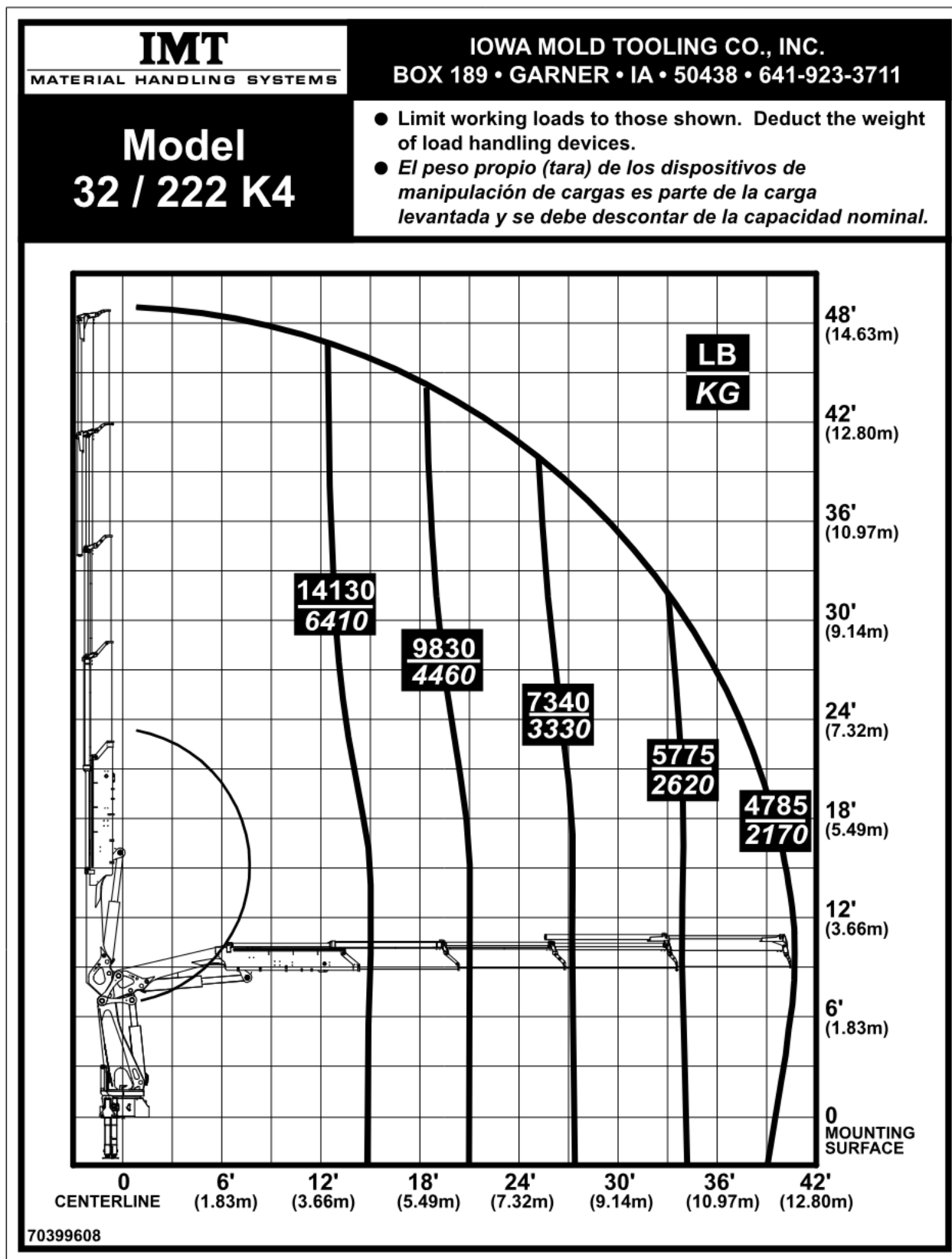
32 / 222 K2 - Capacity Chart



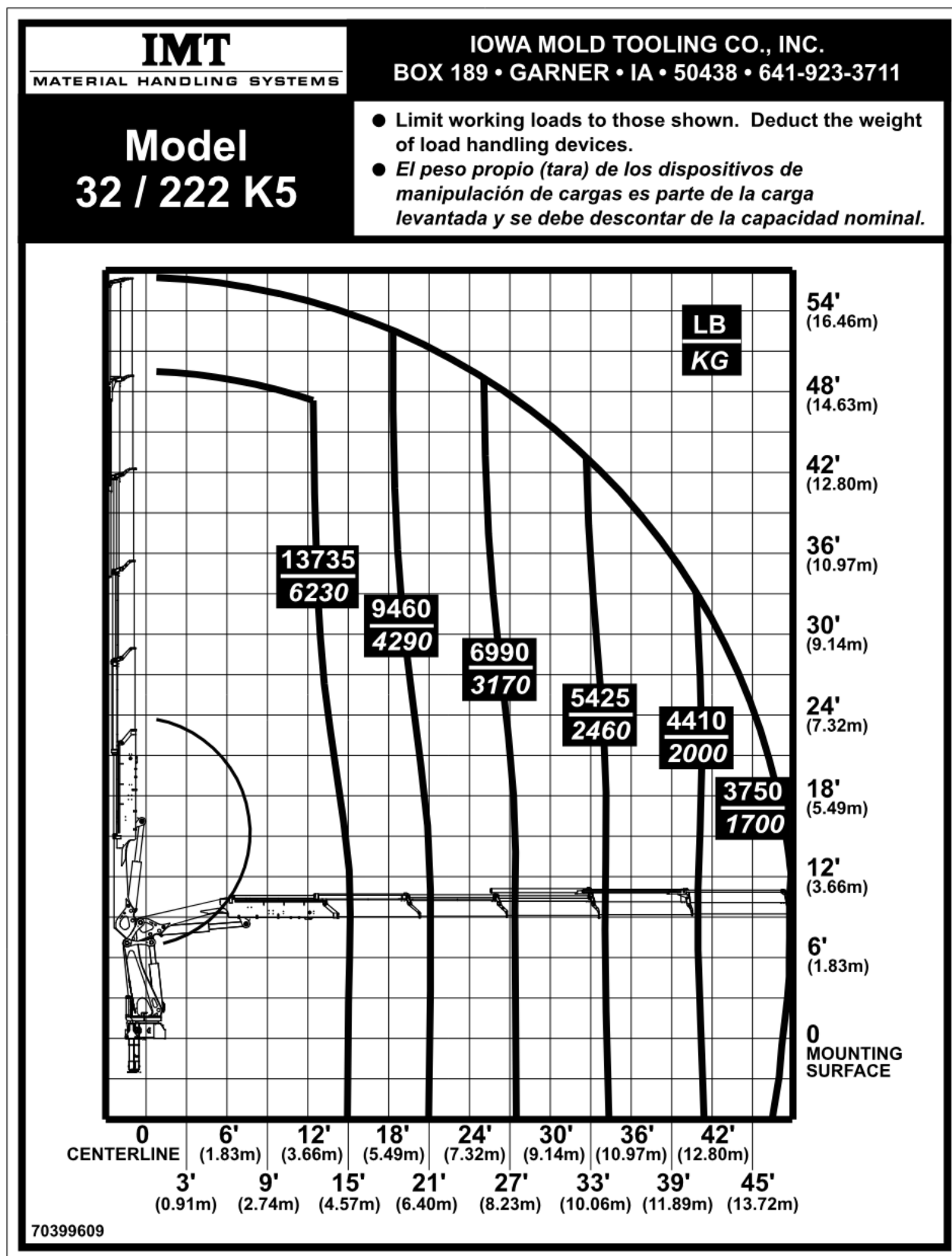
32 / 222 K3 - Capacity Chart



32 / 222 K4 - Capacity Chart



32 / 222 K5 - Capacity Chart



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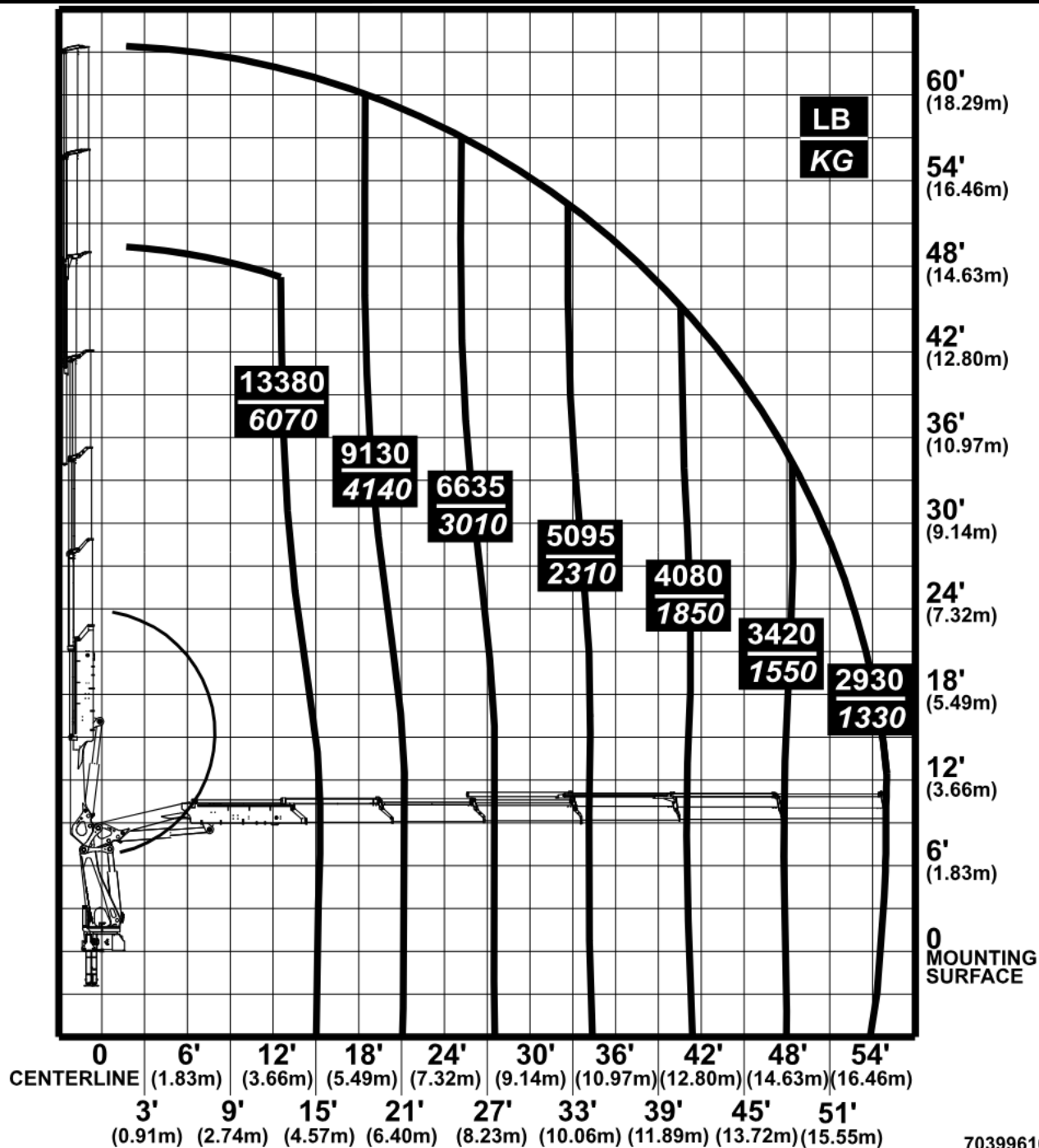
32 / 222 K6 - Capacity Chart

IMT

MATERIAL HANDLING SYSTEMS

IOWA MOLD TOOLING CO., INC.
BOX 189 • GARNER • IA • 50438 • 641-923-3711**Model
32 / 222 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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32 / 222 K7 - Capacity Chart

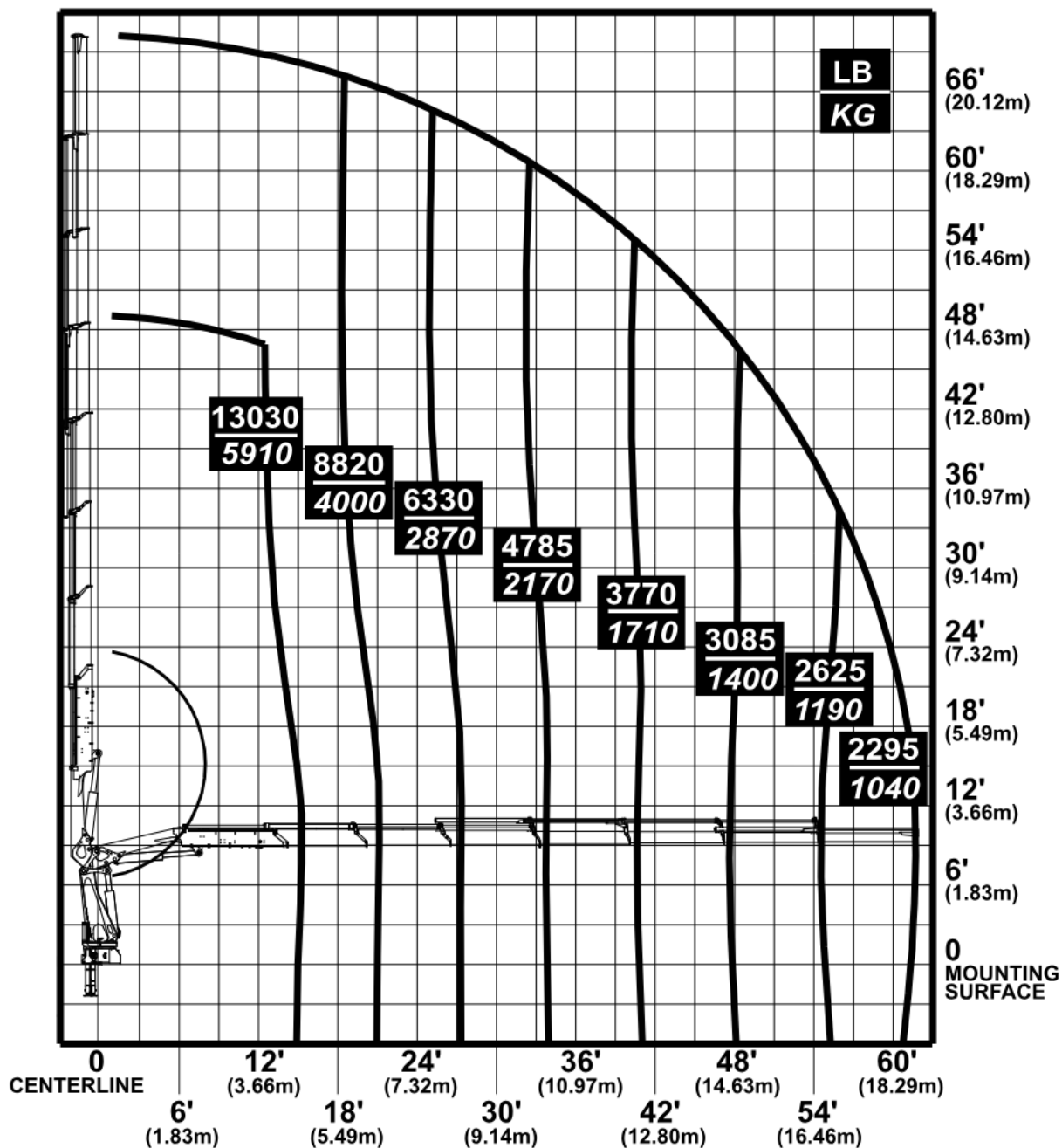
IMT

MATERIAL HANDLING SYSTEMS

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

Model 32 / 222 K7

- 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.*



70399611

32 / 222 K8 - Capacity Chart

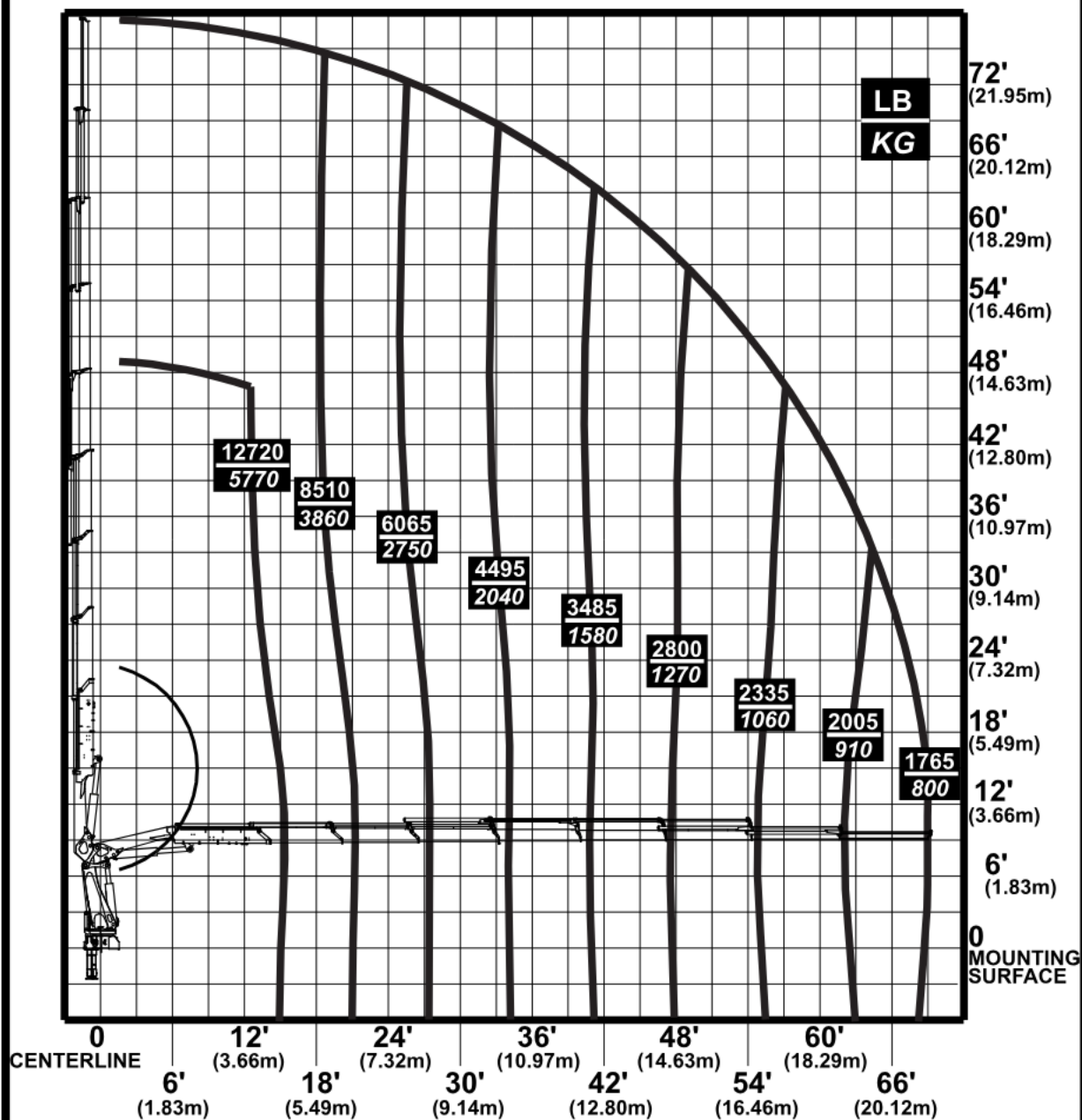
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MATERIAL HANDLING SYSTEMS

Model 32 / 222 K8

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

- 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.*



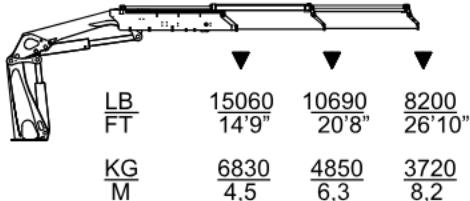
70399612

32 / 222 K2-K8 - Lifting Capacity Chart

▽ LIFTING WITH MANUAL EXTENSIONS

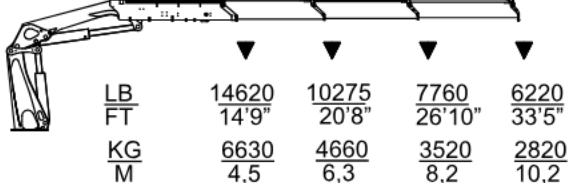
▼ LIFTING WITHOUT MANUAL EXTENSIONS

3220-K2



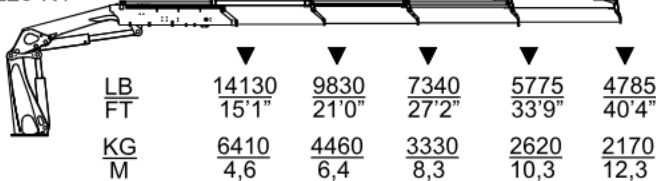
	▼	▼	▼
LB	15060	10690	8200
FT	14'9"	20'8"	26'10"
KG	6830	4850	3720
M	4,5	6,3	8,2

3220-K3



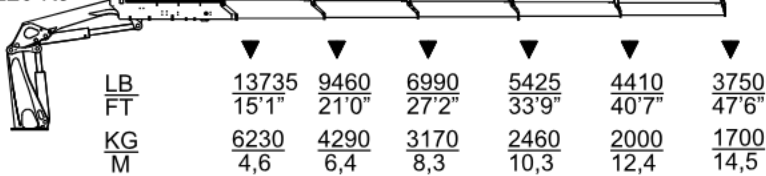
	▼	▼	▼	▼
LB	14620	10275	7760	6220
FT	14'9"	20'8"	26'10"	33'5"
KG	6630	4660	3520	2820
M	4,5	6,3	8,2	10,2

3220-K4



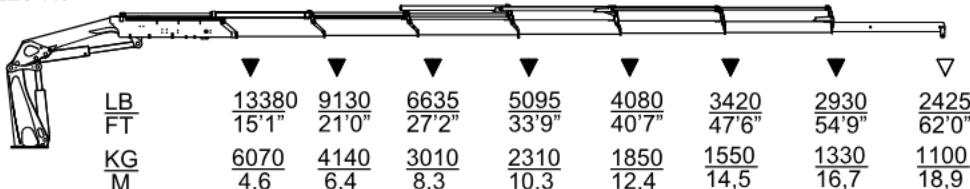
	▼	▼	▼	▼	▼
LB	14130	9830	7340	5775	4785
FT	15'1"	21'0"	27'2"	33'9"	40'4"
KG	6410	4460	3330	2620	2170
M	4,6	6,4	8,3	10,3	12,3

3220-K5



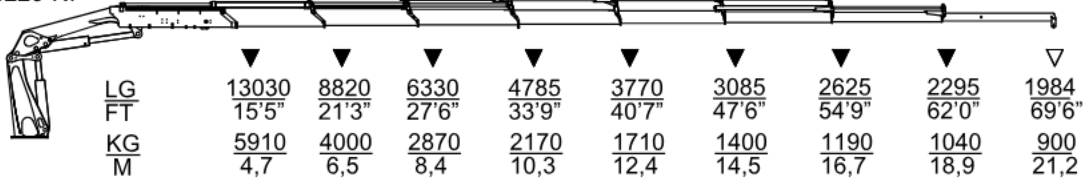
	▼	▼	▼	▼	▼	▼
LB	13735	9460	6990	5425	4410	3750
FT	15'1"	21'0"	27'2"	33'9"	40'7"	47'6"
KG	6230	4290	3170	2460	2000	1700
M	4,6	6,4	8,3	10,3	12,4	14,5

3220-K6



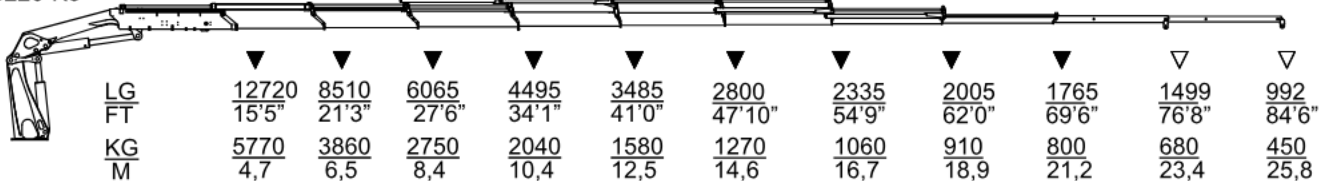
	▼	▼	▼	▼	▼	▼	▼	▽
LB	13380	9130	6635	5095	4080	3420	2930	2425
FT	15'1"	21'0"	27'2"	33'9"	40'7"	47'6"	54'9"	62'0"
KG	6070	4140	3010	2310	1850	1550	1330	1100
M	4,6	6,4	8,3	10,3	12,4	14,5	16,7	18,9

3220-K7



	▼	▼	▼	▼	▼	▼	▼	▼	▽
LG	13030	8820	6330	4785	3770	3085	2625	2295	1984
FT	15'5"	21'3"	27'6"	33'9"	40'7"	47'6"	54'9"	62'0"	69'6"
KG	5910	4000	2870	2170	1710	1400	1190	1040	900
M	4,7	6,5	8,4	10,3	12,4	14,5	16,7	18,9	21,2

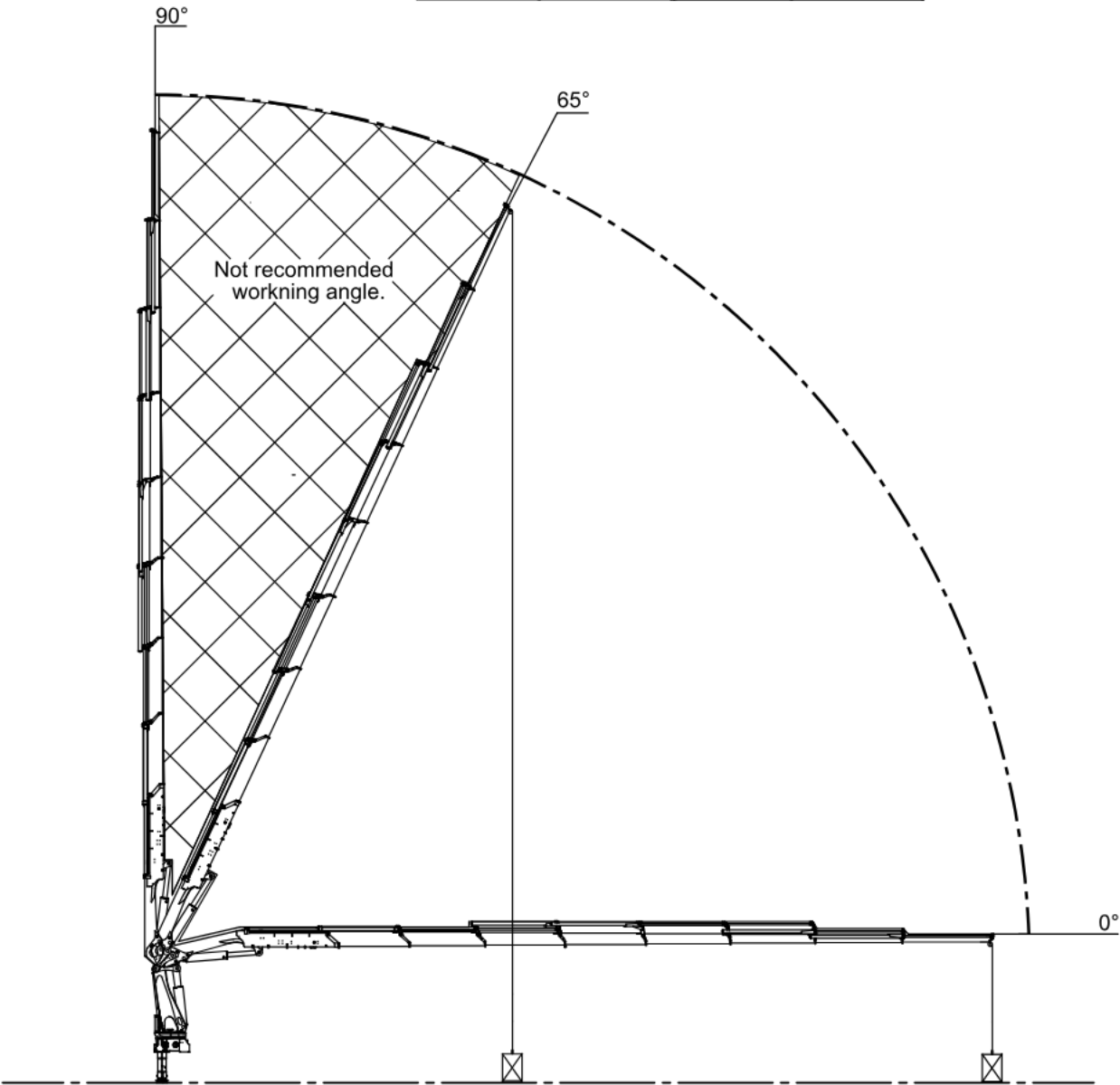
3220-K8



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LG	12720	8510	6065	4495	3485	2800	2335	2005	1765	1499	992
FT	15'5"	21'3"	27'6"	34'1"	41'0"	47'10"	54'9"	62'0"	69'6"	76'8"	84'6"
KG	5770	3860	2750	2040	1580	1270	1060	910	800	680	450
M	4,7	6,5	8,4	10,4	12,5	14,6	16,7	18,9	21,2	23,4	25,8

32 / 222 - Lifting Capacity with Winch

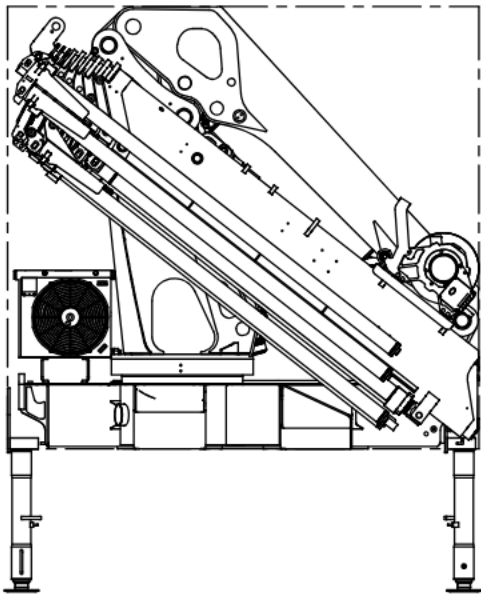
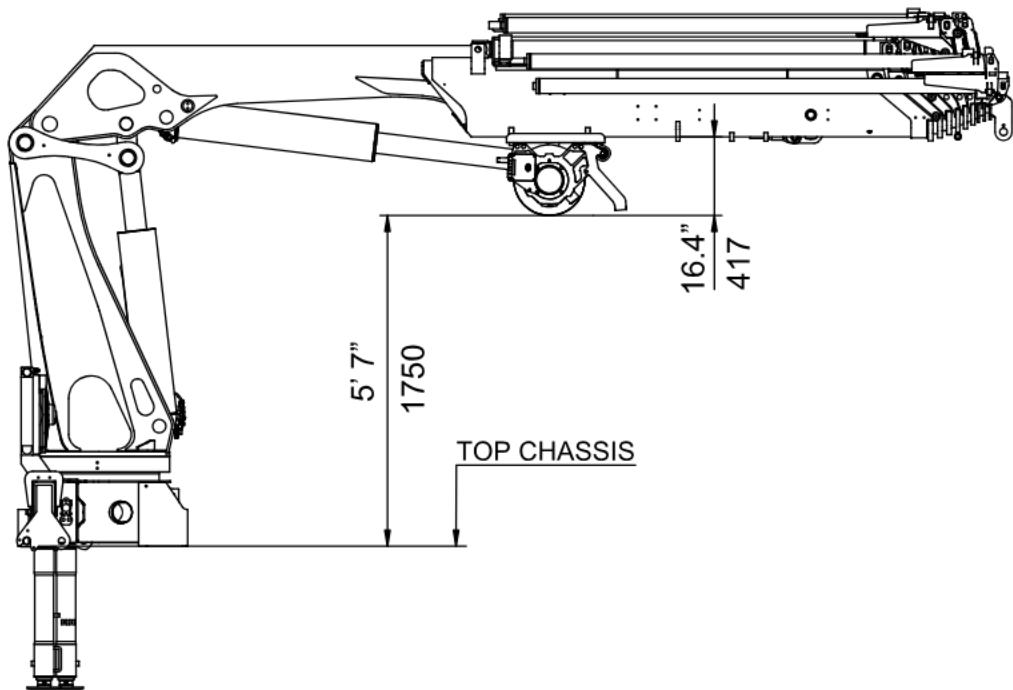
Hydraulic hoist type	MAXW	MAXWD	MAXW	MAXWD
Dinamic P9E	1500 kg	3000 kg	3307 lb	6614 lb
Dinamic P15E	2500 kg	5000 kg	5512 lb	11023 lb
Dinamic S 25 Brevini 2500	3200 kg	6400 kg	7055 lb	14110 lb
				



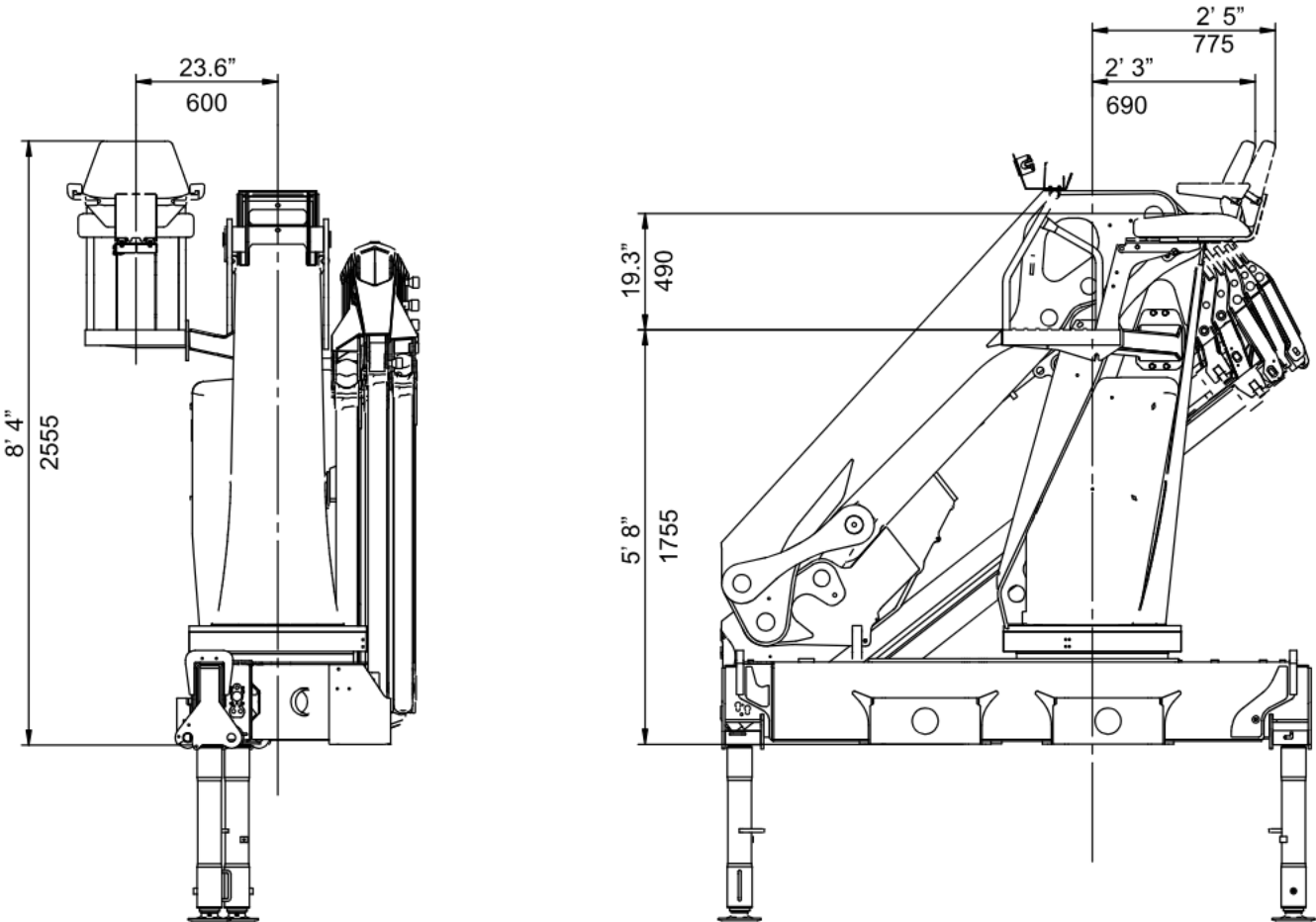
30 / 222 Dimension Drawings

Section - 3

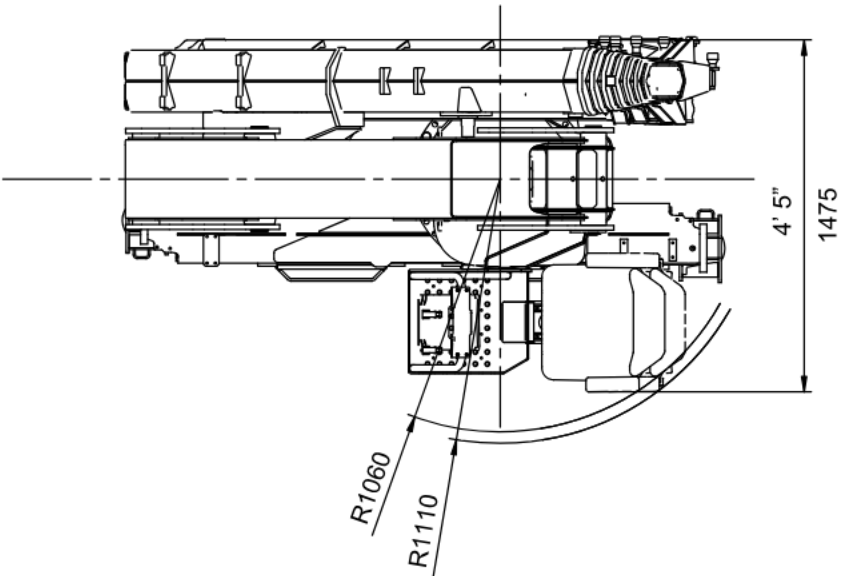
32 / 222 - Dimension Sketch, Winch 2.5T



32 / 222 - Dimension Sketch, TS-RC



* Cannot be selected for cranes with hydraulic tank on the base.



32 / 222 - Technical Data, Winch

PERFORMANCE (2438 PSI):	UNIT	2.5T WINCH
Max. wire pull – 1st layer	lb	5512
Max. wire pull – 2nd layer	lb	5071
Max. wire pull – 3rd layer	lb	4630
Max. wire pull – 4th layer	lb	4300
WIRE SPEED (15.9 GPM):	UNITS	2.5T WINCH
Max. wire speed – 1st layer	ft/min	79
Max. wire speed – 2nd layer	ft/min	85
Max. wire speed – 3rd layer	ft/min	92
Max. wire speed – 4th layer	ft/min	98
WEIGHTS:	UNITS	2.5T WINCH
Tare weight, winch (CE)	lb	198
Fixed parts (valve section, brackets, hoses etc.)	lb	110
Wire Ø10 x197 ft	lb	66
Spare parts, single snatch block	lb	44
Spare parts, double snatch block	lb	88

32 / 222 - Technical Data, Winch (Metric)

PERFORMANCE (2438 PSI):	UNIT	2.5T WINCH
Max. wire pull – 1st layer	kg	2500
Max. wire pull – 2nd layer	kg	2300
Max. wire pull – 3rd layer	kg	2100
Max. wire pull – 4th layer	kg	1950
WIRE SPEED (15.9 GPM):	UNITS	2.5T WINCH
Max. wire speed – 1st layer	m/min	24
Max. wire speed – 2nd layer	m/min	26
Max. wire speed – 3rd layer	m/min	28
Max. wire speed – 4th layer	m/min	30
WEIGHTS:	UNITS	2.5T WINCH
Tare weight, winch (CE)	kg	90
Fixed parts (valve section, brackets, hoses etc.)	kg	50
Wire Ø10 x 60 m	kg	30
Spare parts, single snatch block	kg	20
Spare parts, double snatch block	kg	40

32 / 222 Technical Specifications Fly-Jibs

Section - 4

32 / 222 - Specifications with Fly-Jib

Performance	Unit	32 / 222-K4 + FJ1000			32 / 222-K5 + FJ1000		
		FJ K3	FJ K4	FJ K5	FJ K3	FJ K4	FJK5
Hydraulic reach	ft-lb	66' 9"	72' 8"	79' 4"	73' 8"	79' 7"	86' 3"
Hydraulic telescopic movement, Fly-jib	ft.	16' 4"	22' 1"	28' 6"	16' 4"	22' 1"	28' 6"
Out-reach with manual extensions	ft.	-	79' 4"	-	-	86' 3"	-
Lifting capacity, hydraulic	ft-lb.	2447-50'5" 2161-55'4" 1940-60'7" 1742-66'9"	2348-50'5" 2072-55'4" 1841-60'7" 1653-66'9" 1510-72'8"	2194-50'5" 1918-55'8" 1698-61'0" 1510-66'9" 1367-73'2" 1246-79'4"	1764-51'1" 1565-62'3" 1411-67'6" 1268-73'5"	1653-57'1" 1455-62'3" 1301-67'6" 1168-73'5" 1058-79'4"	1510-57'4" 1323-62'7" 1168-67'9" 1036-73'8" 926-79'7" 761-86'0"
Lifting capacity, manual extensions	ft-lb.	-	1246-79'4" 1069-85'6"	-	-	805-86'0" 628-92'5"	-

Dimensions:

Height above chassis-with winch	ft-in	8' 8"
Height above chassis- excl. winch	ft-in	8' 8"
Width	ft-in	8' 2"
Length, without extra valve kit on fly-jib	ft-in	3' 8"
Length, with extra valve kit on fly-jib	ft-in	3' 8"

Weights:

Fly-jib 1)	lb	1499	1676	1830	1477	1653	1808
Manual Extensions	lb	-	77	-	-	77	-
		-	66	-	-	66	-
1 extra valve (hose reels)	lb	99					
2 extra valves (hose reels)	lb	198					

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

32 / 222 - Specifications with Fly-Jib (Metric)

Performance	Unit	32 / 222-K4 + FJ1000			32 / 222-K5 + FJ1000		
		FJ K3	FJ K4	FJ K5	FJ K3	FJ K4	FJK5
Hydraulic reach	m	20,38	22,20	24,19	22,48	24,30	26,29
Hydraulic telescopic movement, Fly-jib	mm	5005	6745	8730	5005	6745	8730
Out-reach with manual extensions	m		24,21		-	26,29	-
Lifting capacity, hydraulic	kg-m	1110-15,5	1065-15,4	995-15,4	800-17,4	750-17,4	685-17,5
		980-16,9	940-16,9	870-17,0	710-19,0	660-19,0	600-19,1
		835-18,5	835-18,5	770-18,6	640-20,6	590-20,6	530-20,7
		790-20,4	750-20,4	685-20,4	575-22,4	530-22,4	470-22,5
			685-22,2	565-24,2		480-24,2	420-24,3
Lifting capacity, manual extensions	kg-m	-	565-24,2 485-26,1	-	365-26,2 285-28,2	-	-

Dimensions:

Height above chassis-with winch	mm	2678
Height above chassis- excl. winch	mm	2668
Width	mm	2500
Length, without extra valve kit on fly-jib	mm	1172
Length, with extra valve kit on fly-jib	mm	1172

Weights:

Fly-jib 1)		680	760	830	670	750	820
Manual Extensions		-	35	-	-	35	-
		-	30	-	-	30	-
1 extra valve (hose reels)		45					
2 extra valves (hose reels)		90					

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

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32 / 222 Capacity Charts Fly-Jibs

Section - 5

32 / 222 K4 FJ1000 K4 - Capacity Chart

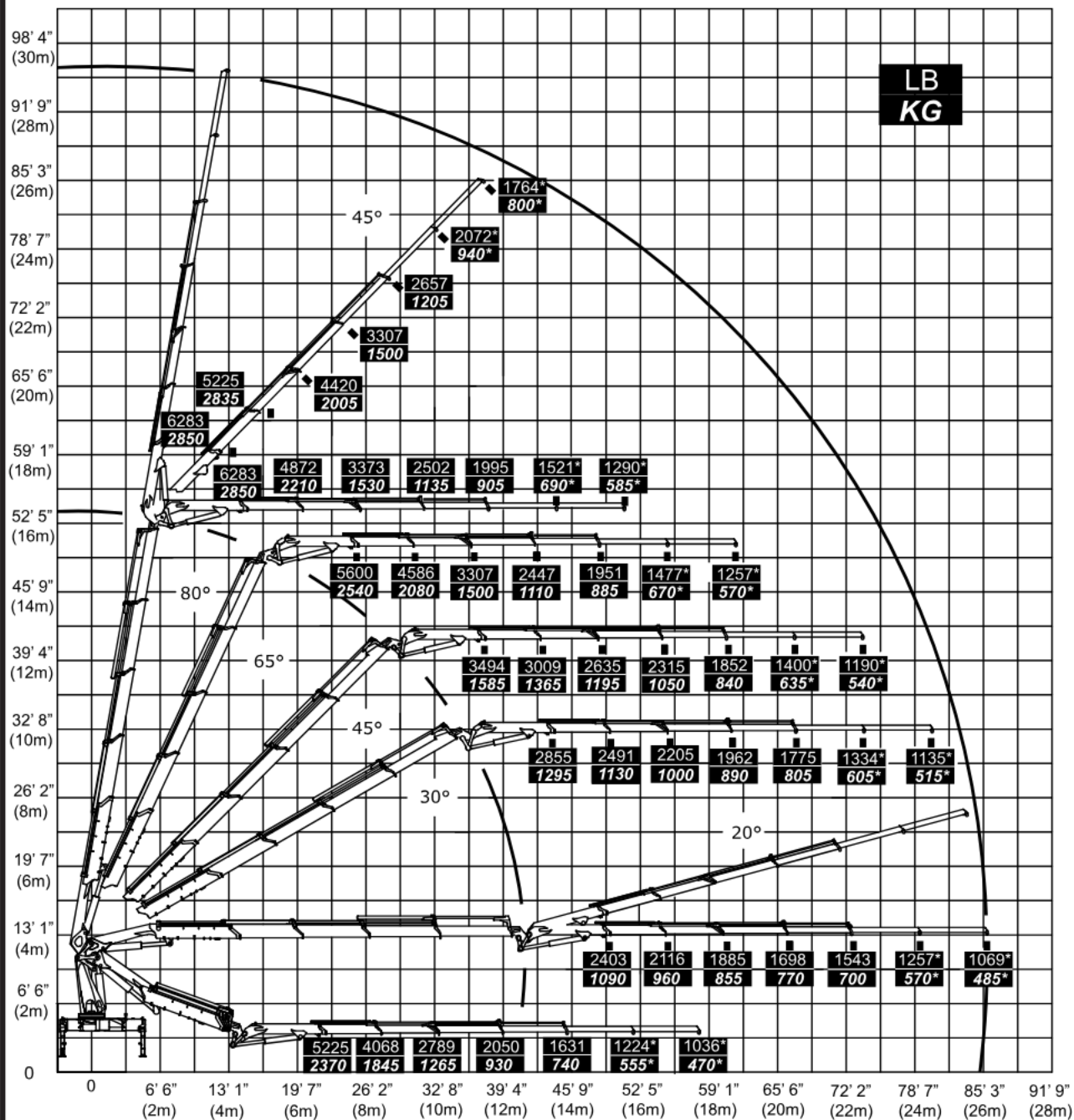
IMT

MATERIAL HANDLING SYSTEMS

Model 32/222 K4 FJ1000 K4

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

- 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.*



* With Manual Extension

70490139

32 / 222 K4 FJ1000 K5 - Capacity Chart

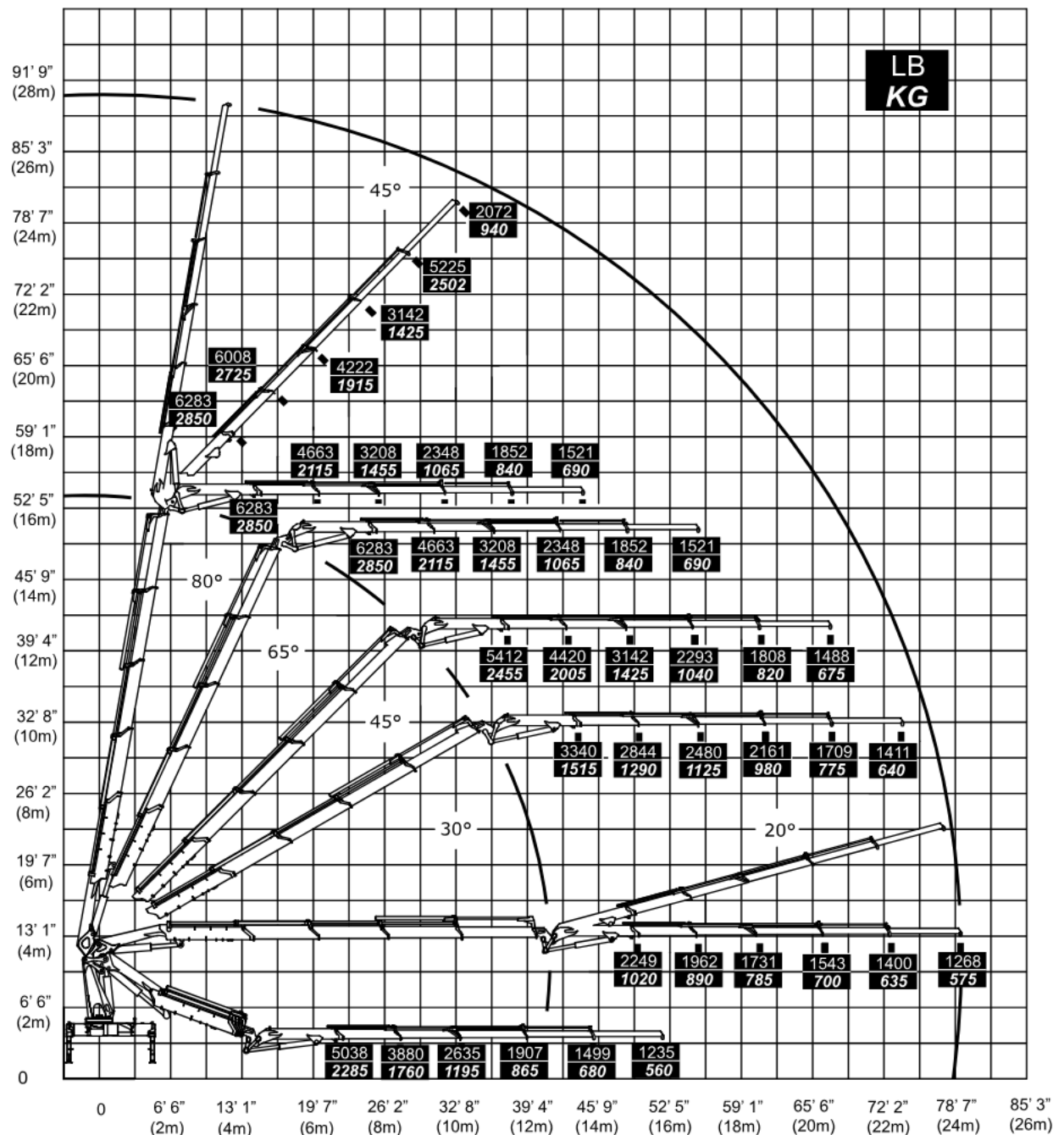
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MATERIAL HANDLING SYSTEMS

Model 32/222 K4 FJ1000 K5

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- 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.*



70490142

32 / 222 K5 FJ1000 K3 - Capacity Chart

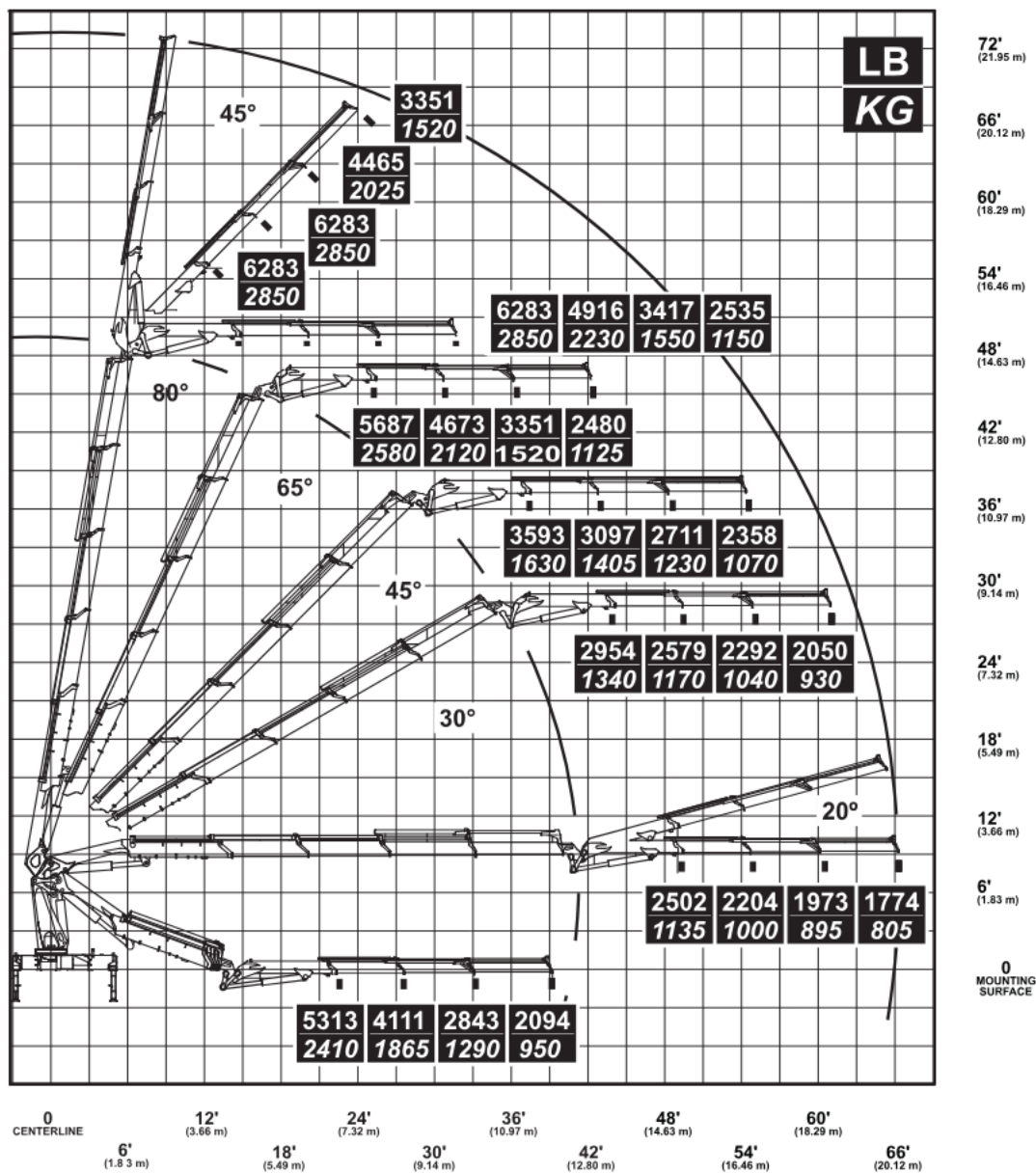
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Model 32/222 K4 FJ1000 K3

- 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.*



70490017

32 / 222 K5 FJ1000 K2 - Capacity Chart

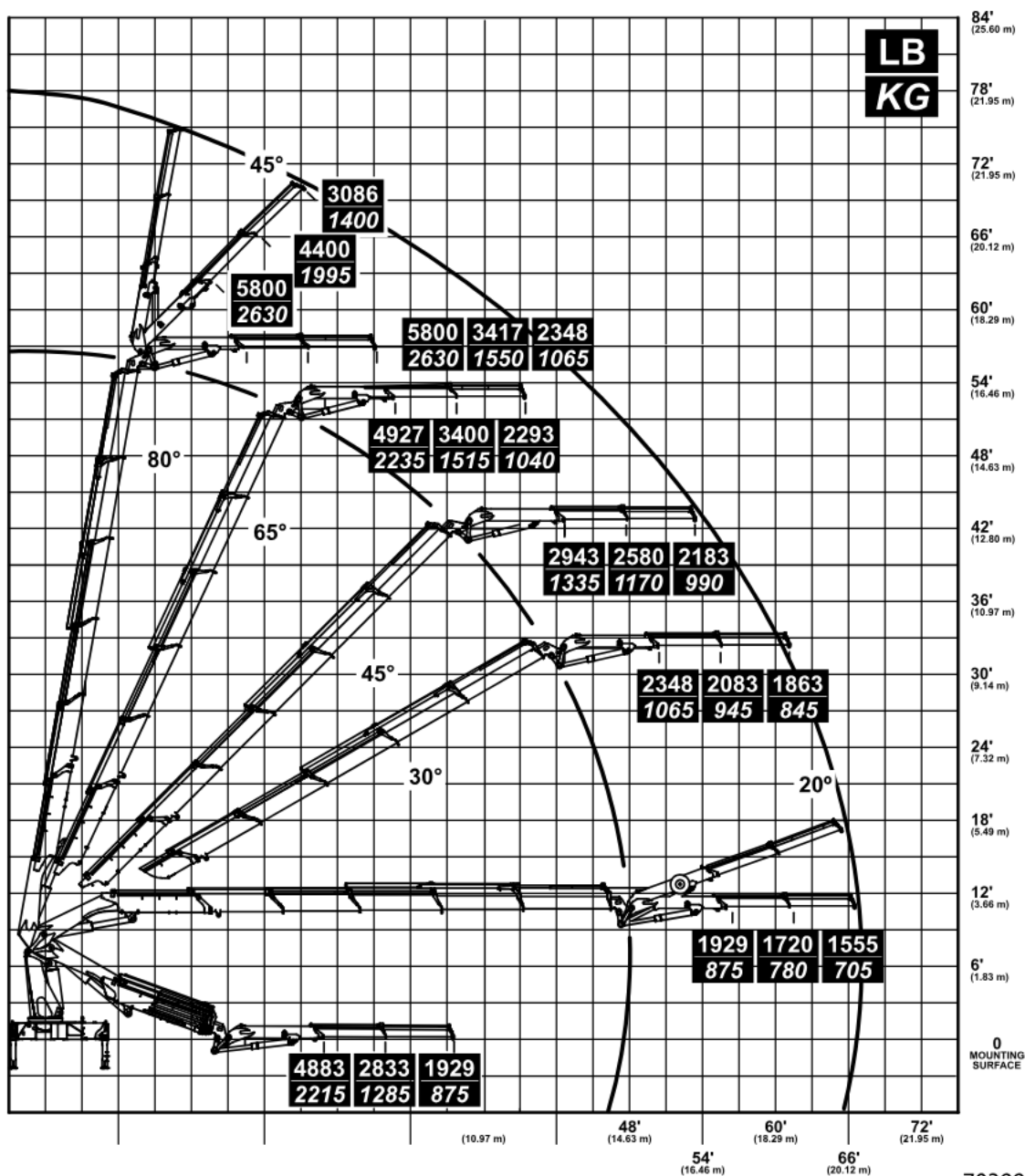
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Model 32/222 K5 FJ1000 K2

- Working loads will be limited to those shown. Deduct the weight of load handling devices.
- Before lift is made, stability must be checked per SAE J765A.



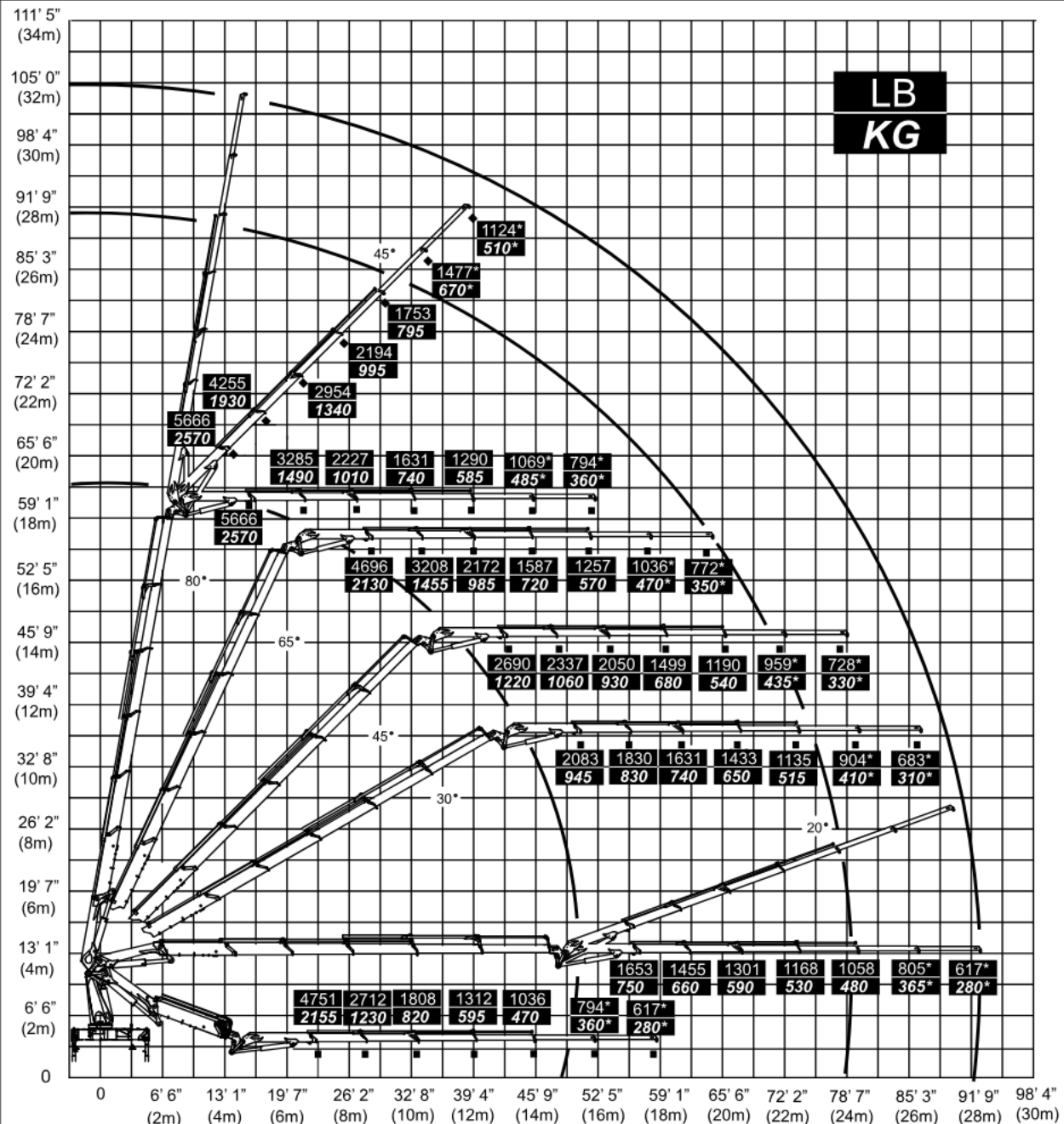
70399939

32 / 222 K5 FJ1000 K4 - Capacity Chart

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Model 32/222 K5 FJ1000 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.*



* With Manual Extension

70490143

32 / 222 K5 FJ1000 K5 - Capacity Chart

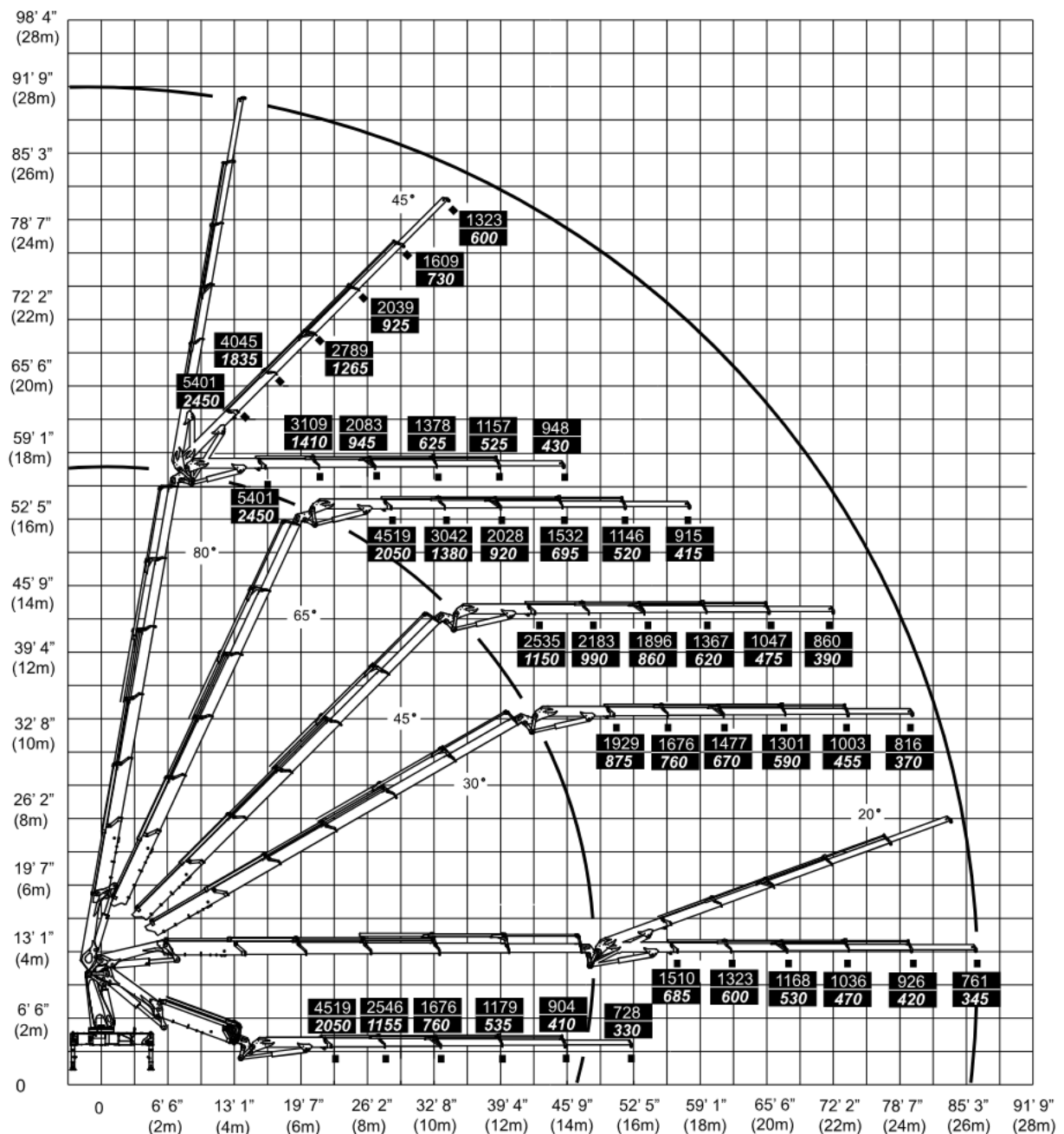
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MATERIAL HANDLING SYSTEMS

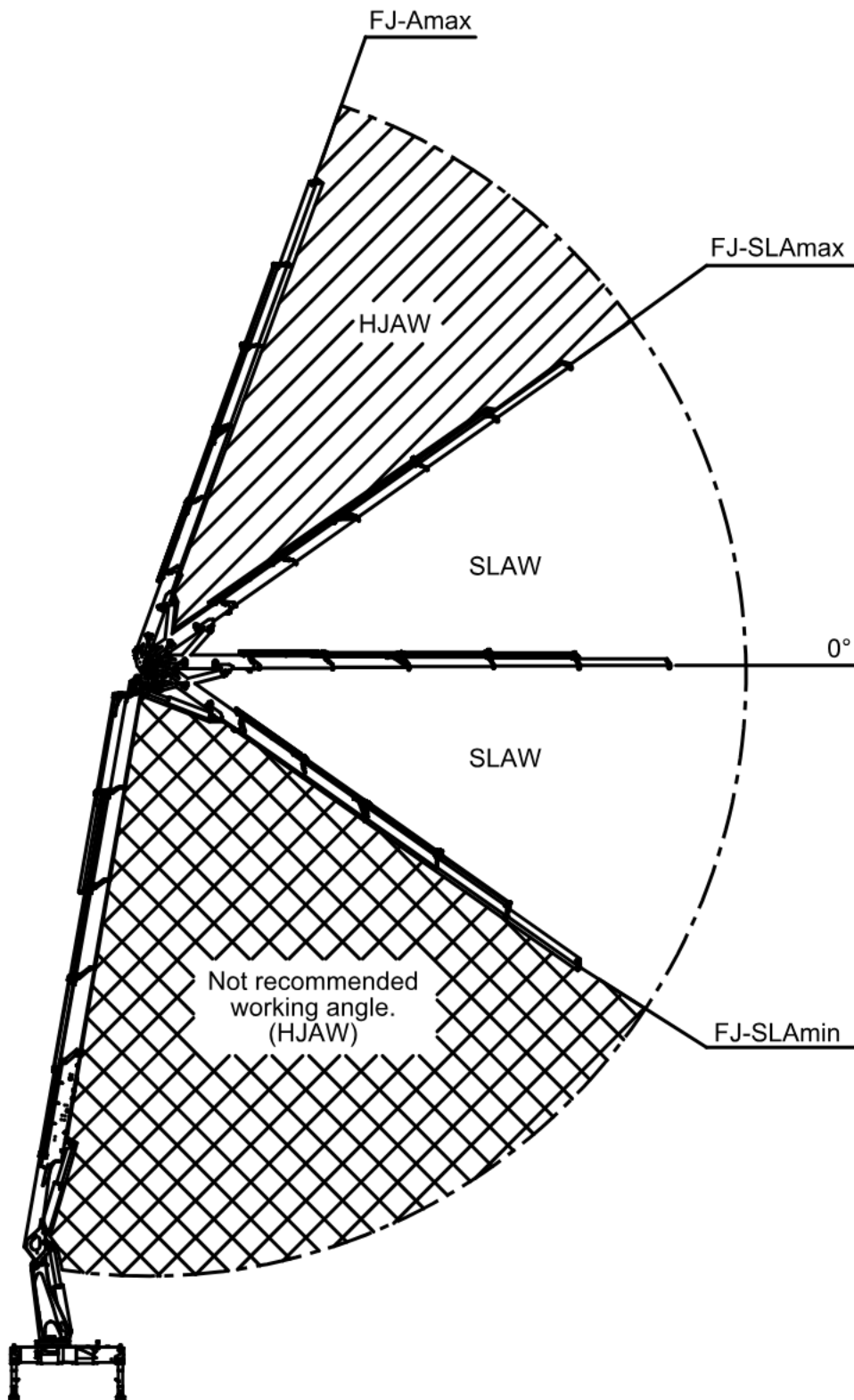
 IOWA MOLD TOOLING CO., INC.
 BOX 189 • GARNER • IA • 50438 • 641-923-3711

Model 32/222 K5 FJ1000 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.*



70490144

32 / 222 Lifting Capacity, Fly Jib with Winch

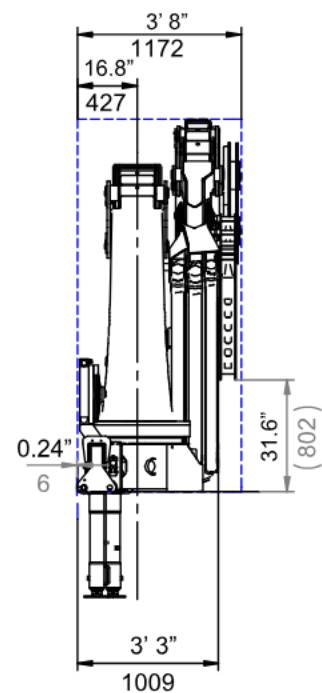
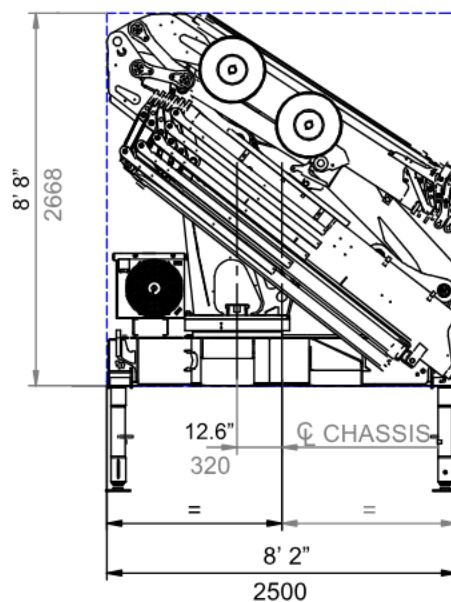
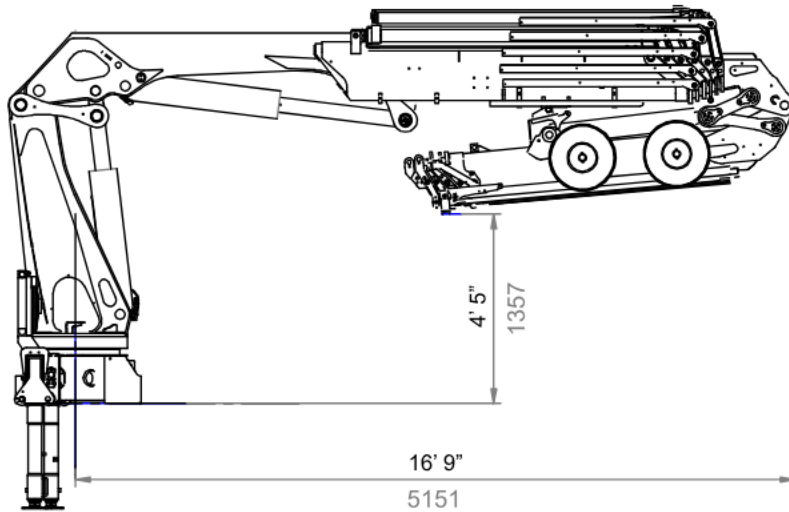
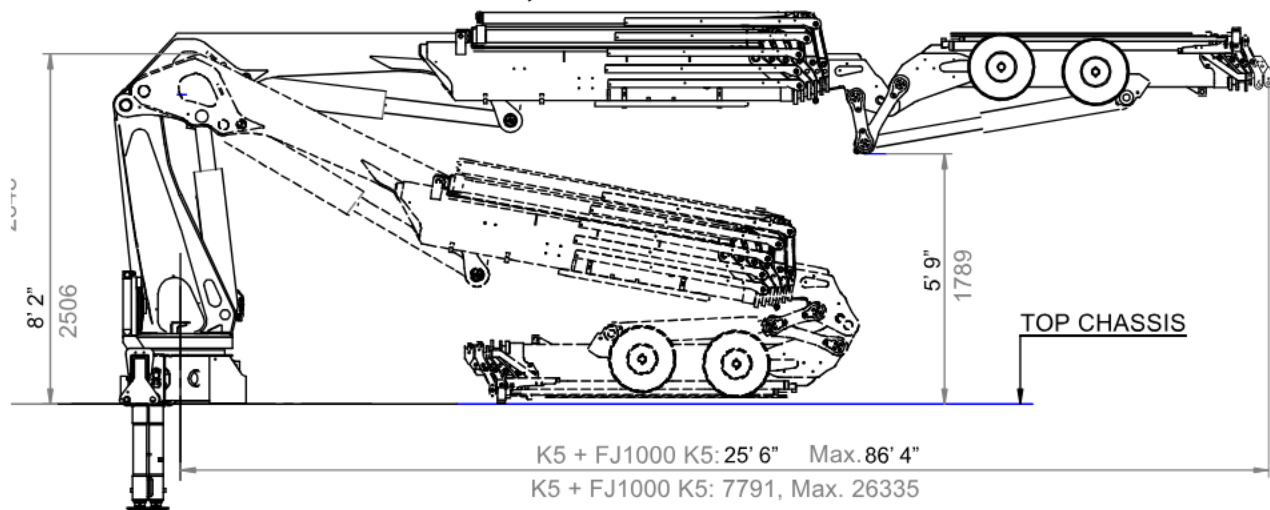
Lifting Capacity, Fly Jib with Winch-Continued

Lifting capacity for hoist	Max. Angle	Recommended working area (SLAW)		Hydraulic Hoist Type					
				1500 kg (Dinamic P9E)		2500 kg (Dinamic P15E)		3200 kg Dinamic S25 Brevini 2500	
	FJ Amax	FJ-SI Amin	FJ-SI Amax	HJAW (LB)	SLAW (LB)	HJAW (LB)	SLAW (LB)	HJAW (LB)	SLAW (LB)
FJ350	70°	-30°	30°	1328	2205				
FJ1000	70°	-30°	30°			1543	4079		
FJ1200	70°	-40°	40°					2205	7055
FJ2000	70°	-40°	40°					2866	7055
Hydraulic Hoist Type (Metric)									
FJ350	70°	-30°	30°	600 kg	1000 kg				
FJ1000	70°	-30°	30°			700 kg	1850 kg		
FJ1200	70°	-40°	40°					1000 kg	3200 kg
FJ2000	70°	-40°	40°					1300 kg	3200 kg

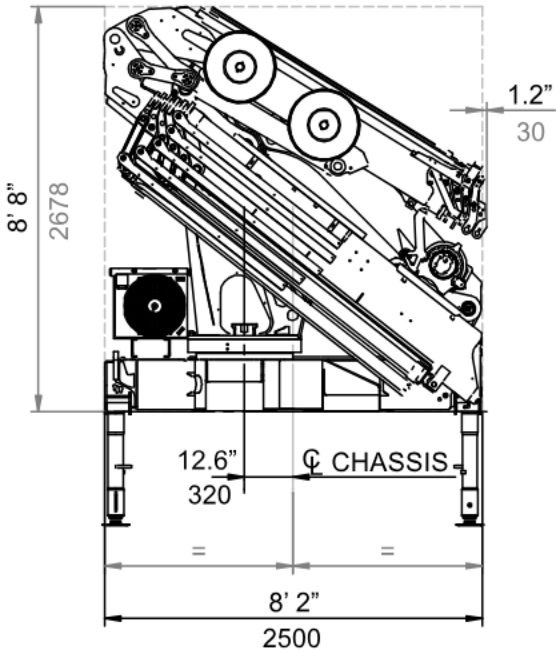
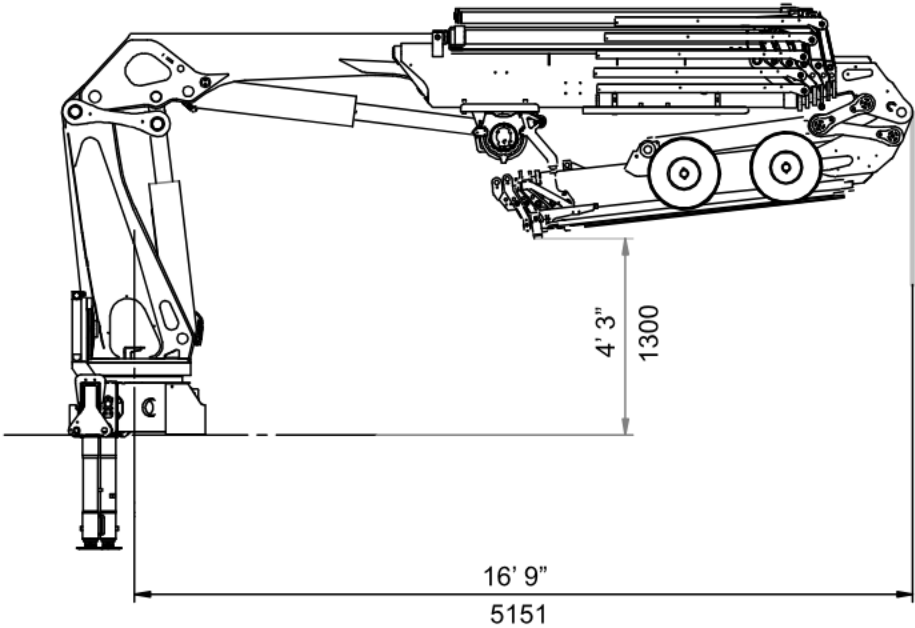
32 / 222 Dimension Drawings with Fly-Jib

Section - 6

32 / 222 - Dimension Sketch, K5 with FJ1000



Dimension Sketch, K5 with FJ1000-continued

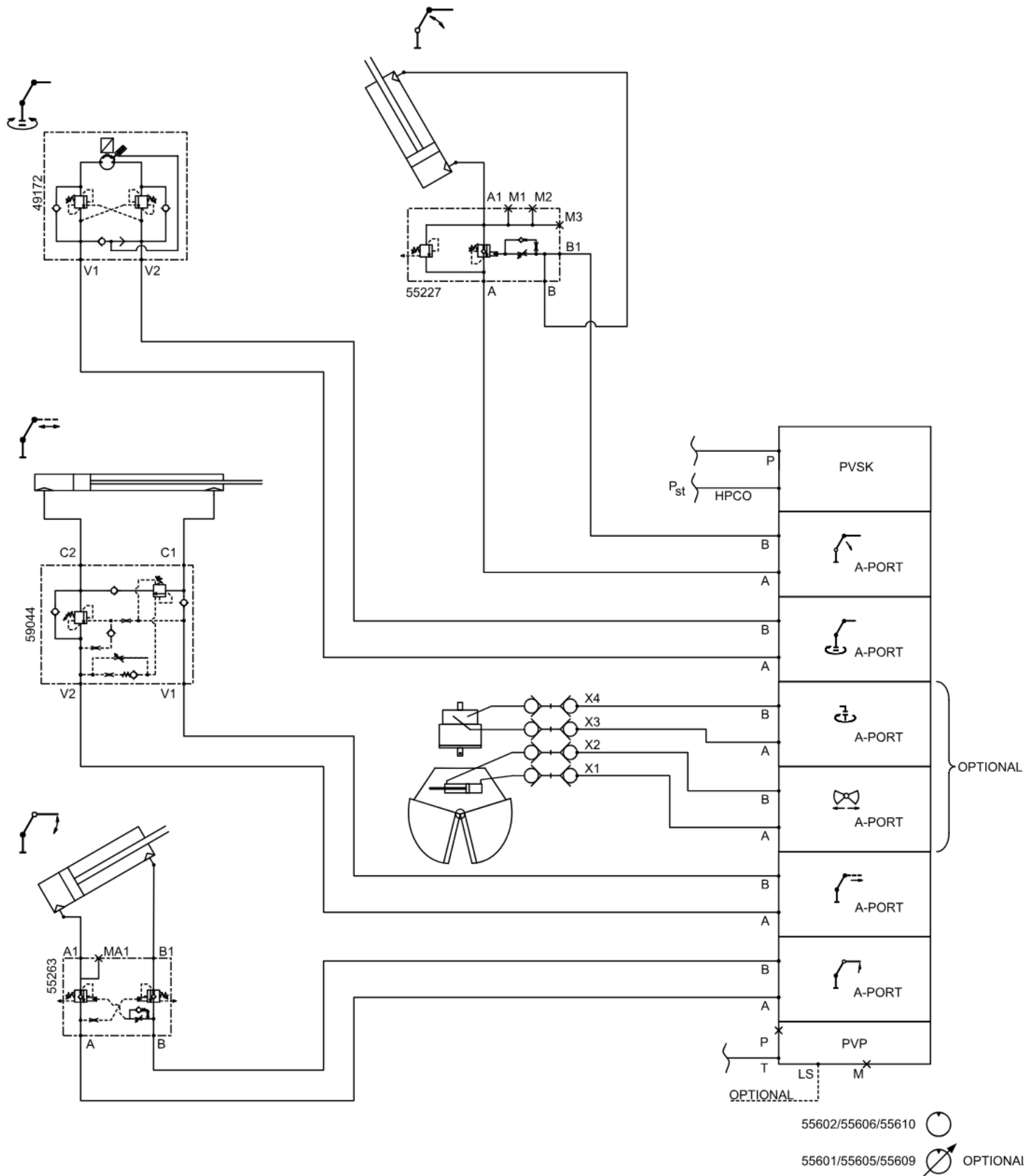


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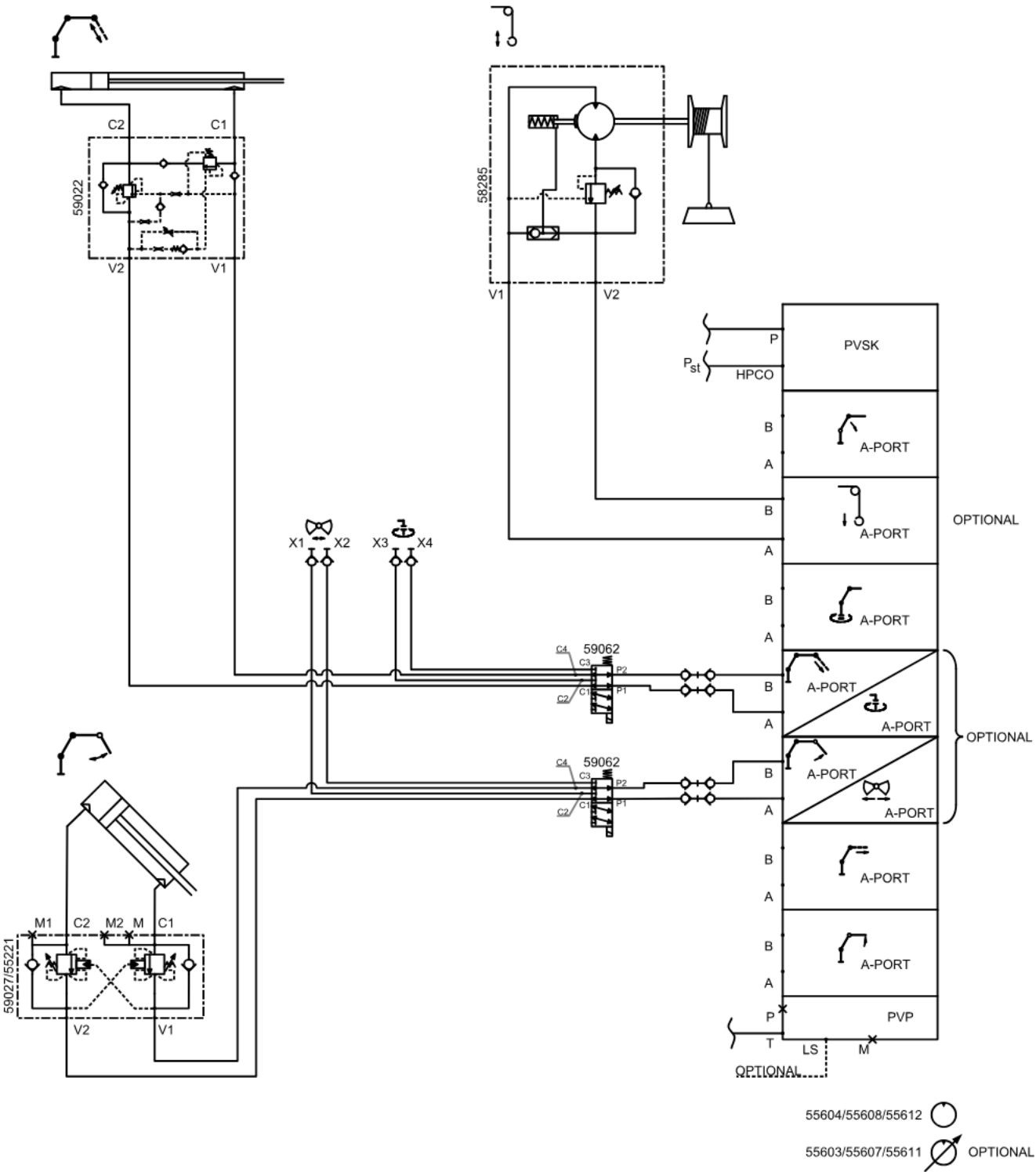
32 / 222 Hydraulic Drawings

Section - 7

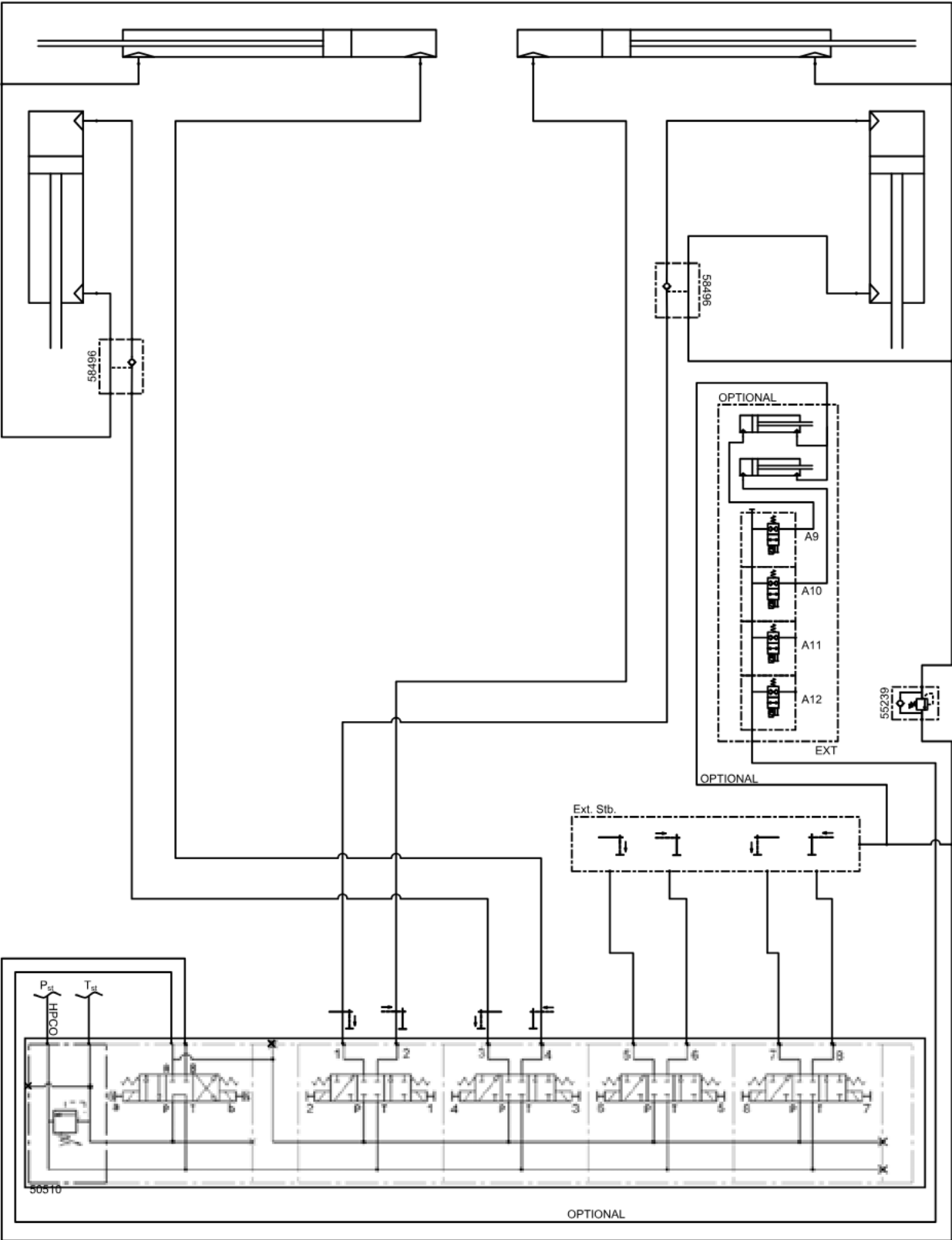
32 / 222 - Hydraulic Diagram, Danfoss Single-Circuit Crane Functions



32 / 222 - Hydraulic Diagram, Danfoss, Single-Circuit FJ with EXV + Winch



32 / 222 - Hydraulic Diagram, Stabilizer Circuit + 4 FCTS.



32 / 222 - Pressure Setting Diagram

WORKING PRESSURE ON MAIN RELIEF VALVE & PORT RELIEF VALVES				
Function	Direction	Port	Port Relief Valves (PSI)	LS Pressure Adj. (PSI)
Main Relief Valve			5657	
Slewing System	Right	A	P	2176
	Left	B	P	2176
Boom Cylinder	Up	A	5511	5294
	Down	B	1813	1450
Jib Cylinder	Up	A	5511	5294
	Down	B	2900	2538
Extension Cylinders	Extend	A	P	4351
	Retract	B	P	4351
Grab	Up	A	4351**	725-4351*
	Down	B	4351**	725-4351*
Rotator	Extend	A	P	725-4351*
	Retract	B	P	725-4351*
Winch 2.5T	Lift	A	P	2683
	Lower	B	P	2683
Separate Stabilizer Valve	All		2176	

*Individual adjustment of LS-Pressure possible on loaders without Fly-Jib. See settings of pressure for Fly-Jib.

**On loaders with Fly-Jib port relief valves, please see Working Pressure on Fly-Jib Table

**On loaders without Fly-Jib, individual replacement of port relief valves is possible.

WORKING PRESSURE ON LOAD HOLDING VALVES			
Function	Direction		Opening Pressure (PSI)
Slewing System	Right		2321
	Left		2321
Boom Cylinder	Up		5511
	Down		-
Jib Cylinder	Up		5511
	Down		3046
Extension Cylinders	Retract		6237
	Extend		3046

PRESSURE SETTING FOR LOAD MOMENT LIMITATION (LMB)		
Load Moment Limitation (LMB)	(PSI)	5076
HDL	(PSI)	4061

MAXIMUM PUMP PERFORMANCE		
Choice of Pump	Fixed	Variable
Pump Performance (gpm)	21	29

32 / 222 - Pressure Setting Diagram, Fly-Jib

WORKING PRESSURE ON FLY-JIB					
Function		Direction	Port	32/222K6 FJ600 (PSI)	32/222K6 FJ1000 (PSI)
Main Relief Valve	LS Pressure Adjustment	Up	A	4060	3263
		Down	B	3626	3626
	Port Relief Valves	Up	A	4351	3626
		Down	B	4351	4351
	Load Holding Valves	Up		4786	3989
		Down		3916	4206
Extension Cylinders	LS Pressure Adjustment	Extend	A	4351	4351
		Retract	B	4351	4351
	Load Holding Valve	Extend		3046	3046
		Retract		6237	6237
Load Moment Limitation (LMB)				3916	3118

32 / 222 - Pressure Setting Diagram (Metric)

WORKING PRESSURE ON MAIN RELIEF VALVE & PORT RELIEF VALVES				
Function	Direction	Port	Port Relief Valves (PSI)	LS Pressure Adj. (PSI)
Main Relief Valve			390	
Slewing System	Right	A	P	150
	Left	B	P	150
Boom Cylinder	Up	A	380	365
	Down	B	125	100
Jib Cylinder	Up	A	380	365
	Down	B	200	175
Extension Cylinders	Extend	A	P	300
	Retract	B	P	300
Grab	Up	A	300**	50-300*
	Down	B	300**	50-300*
Rotator	Extend	A	P	50-300*
	Retract	B	P	50-300*
Winch 2.5T	Lift	A	P	185
	Lower	B	P	185
Separate Stabilizer Valve	All		150	

*Individual adjustment of LS-Pressure possible on loaders without Fly-Jib. See settings of pressure for Fly-Jib.

**On loaders with Fly-Jib port relief valves, please see Working Pressure on Fly-Jib Table

**On loaders without Fly-Jib, individual replacement of port relief valves is possible.

WORKING PRESSURE ON LOAD HOLDING VALVES			
Function	Direction		Opening Pressure (PSI)
Slewing System	Right		2321
	Left		2321
Boom Cylinder	Up		5511
	Down		-
Jib Cylinder	Up		5511
	Down		3046
Extension Cylinders	Retract		6237
	Extend		3046

PRESSURE SETTING FOR LOAD MOMENT LIMITATION (LMB)		
Load Moment Limitation (LMB)	(PSI)	5076
HDL	(PSI)	4061

MAXIMUM PUMP PERFORMANCE		
Choice of Pump	Fixed	Variable
Pump Performance (gpm)	21	29

32 / 222 - Pressure Setting Diagram, Fly-Jib (Metric)

WORKING PRESSURE ON FLY-JIB					
	Function	Direction	Port	32/222K6 FJ600 (PSI)	32/222K6 FJ1000 (PSI)
Main Relief Valve	LS Pressure Adjustment	Up	A	280	225
		Down	B	250	250
	Port Relief Valves	Up	A	300	250
		Down	B	300	300
	Load Holding Valves	Up		330	275
		Down		270	290
Extension Cylinders	LS Pressure Adjustment	Extend	A	300	300
		Retract	B	300	300
	Load Holding Valve	Extend		210	210
		Retract		430	430
Load Moment Limitation (LMB)				270	215

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